

AUTOSTRADA VALDASTICO

A31 NORD

1° LOTTO

Piovene Rocchette - Valle dell'Astico

PROGETTO DEFINITIVO

CUP G21B1 30006 60005
WBS B25.A31N.L1
COMMESSA J16L1

COMMITTENTE



S.p.A. AUTOSTRADA BRESCIA VERONA VICENZA PADOVA
Area Costruzioni Autostradali

CAPO COMMESSA
PER LA PROGETTAZIONE
Dott. Ing. Gabriella Costantini

PRESTATORE DI SERVIZI:
CONSORZIO RAETIA



RAPPRESENTANTE: Dott. Ing. Alberto Scotti

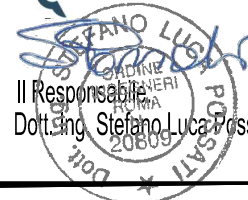
RESPONSABILE DELL'INTEGRAZIONE
TRA LE PRESTAZIONI SPECIALISTICHE:
Technital S.p.A. - Dott. Ing. Andrea Renso



PROGETTAZIONE:



Il Responsabile
Dott. Ing. Stefano Luca Possati



ELABORATO: **OPERE D'ARTE MINORI**

SOTTOVIA
SOTTOVIA SP84

Allegato alla relazione di calcolo

Progressivo Rev.
08 02 02 001 02

Rev.	Data	Descrizione	Redazione	Controllo	Approvazione	SCALA: --
00	MARZO 2017	PRIMA EMISSIONE	3TI PROGETTI - DI SANZO	M. SORGE	S.L.POSSATI	NOME FILE: J16L1_08_02_02_001_0202_OPD_02.dwg
01	GIUGNO 2017	REVISIONE PER VERIFICA	3TI PROGETTI - DI SANZO	M. SORGE	S.L.POSSATI	CM. PROGR. FG. LIV. REV.
02	LUGLIO 2017	RECEPIMENTO OSSERVAZIONI	3TI PROGETTI - DI SANZO	M. SORGE	S.L.POSSATI	J16L1_08_02_02_001_0202_OPD_02

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO
PIOVENE ROCCHETTE – VALLE DELL'ASTICO

Committente:



Progettazione:

CONSORZIO RAETIA



PROGETTO DEFINITIVO

RELAZIONE TECNICA- ALLEGATI

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1. Allegato 1

ANALYSIS RESULT OUTPUT

LOAD SET FOR REACTION OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION	FULL NAME	TYPE	DESCRIPTION
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env SL~1	env SLU e SLV	Conc.Comb	
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<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[Selected Load Combinations]

L. COMB	TYPE	COMBINATION DETAIL							
env SL~1	Conc.Comb	1.000 x SLU01	+ 1.000 x SLU02	+ 1.000 x SLU03	+ 1.000 x SLU04	+			
		1.000 x SLU05	+ 1.000 x SLU06	+ 1.000 x SLU07	+ 1.000 x SLU08	+			
		1.000 x SLU09	+ 1.000 x SLU10	+ 1.000 x SLU11	+ 1.000 x SLU12	+			
		1.000 x SLU13	+ 1.000 x SLU14	+ 1.000 x SLU15	+ 1.000 x SLU16	+			
		1.000 x SLU17	+ 1.000 x SLU18	+ 1.000 x SLU19	+ 1.000 x SLU20	+			
		1.000 x SLU21	+ 1.000 x SLU22	+ 1.000 x SLU23	+ 1.000 x SLU24	+			
		1.000 x SLV01	+ 1.000 x SLV02						

LOAD SET FOR ELEMENT OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION	FULL NAME	TYPE	DESCRIPTION
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No Abbreviation was defined in this Load Set. All names are less than 8 char.'s

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[Selected Load Combinations]

L. COMB	TYPE	COMBINATION DETAIL									

env SL~1	Conc.Comb	1.000 x SLU01	+ 1.000 x SLU02	+ 1.000 x SLU03	+ 1.000 x SLU04	+	1.000 x SLU05	+ 1.000 x SLU06	+ 1.000 x SLU07	+ 1.000 x SLU08	+
		1.000 x SLU09	+ 1.000 x SLU10	+ 1.000 x SLU11	+ 1.000 x SLU12	+	1.000 x SLU13	+ 1.000 x SLU14	+ 1.000 x SLU15	+ 1.000 x SLU16	+
		1.000 x SLU17	+ 1.000 x SLU18	+ 1.000 x SLU19	+ 1.000 x SLU20	+	1.000 x SLU21	+ 1.000 x SLU22	+ 1.000 x SLU23	+ 1.000 x SLU24	+
		1.000 x SLV01	+ 1.000 x SLV02								

REACTION FORCES & MOMENTS DEFAULT PRINTOUT

Unit System : N , m

Node	LC	FX	FY	FZ	MX	MY	MZ

2	env SL~1	MAX	-38202.2	-6623.3	158800.9	0.0	0.0
		MIN	-86855.0	-55252.1	-12150.2	0.0	0.0
3	env SL~1	MAX	-38131.3	-5591.6	156391.6	0.0	0.0
		MIN	-86768.9	-55095.8	-580.6	0.0	0.0
4	env SL~1	MAX	-37398.3	-1287.1	151445.7	0.0	0.0
		MIN	-85908.0	-53284.5	40914.2	0.0	0.0
5	env SL~1	MAX	-36912.1	808.9	159378.0	0.0	0.0
		MIN	-85352.6	-51613.9	62404.9	0.0	0.0

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6 env SL~1	MAX	-36450.1	3593.9	195253.2	0.0	0.0	0.0
	MIN	-84902.5	-47855.3	109941.5	0.0	0.0	0.0
7 env SL~1	MAX	-36490.6	4024.3	204360.5	0.0	0.0	0.0
	MIN	-84980.6	-46905.3	117527.8	0.0	0.0	0.0
10 env SL~1	MAX	-81159.4	-14144.5	323023.5	0.0	0.0	0.0
	MIN	-178540.5	-108780.6	-837.1	0.0	0.0	0.0
11 env SL~1	MAX	-80968.9	-12628.7	320221.7	0.0	0.0	0.0
	MIN	-178303.3	-108198.0	22158.3	0.0	0.0	0.0
12 env SL~1	MAX	-80379.9	-4262.8	314280.9	0.0	0.0	0.0
	MIN	-177593.3	-104152.2	106382.5	0.0	0.0	0.0
13 env SL~1	MAX	-80120.3	-43.6	331008.2	0.0	0.0	0.0
	MIN	-177349.5	-100801.9	151960.4	0.0	0.0	0.0
14 env SL~1	MAX	-79689.4	5882.7	399604.1	0.0	0.0	0.0
	MIN	-177097.2	-93710.7	248616.2	0.0	0.0	0.0
15 env SL~1	MAX	-79527.4	6924.3	416723.7	0.0	0.0	0.0
	MIN	-176988.2	-92078.3	263764.5	0.0	0.0	0.0
18 env SL~1	MAX	-87311.4	-13726.8	332635.2	0.0	0.0	0.0
	MIN	-184931.5	-108371.6	24513.2	0.0	0.0	0.0
19 env SL~1	MAX	-87065.9	-12810.3	329742.5	0.0	0.0	0.0
	MIN	-184643.3	-107382.6	47176.9	0.0	0.0	0.0
20 env SL~1	MAX	-86281.3	-5512.7	323260.9	0.0	0.0	0.0
	MIN	-183754.0	-102405.8	129999.5	0.0	0.0	0.0
21 env SL~1	MAX	-85993.6	-1249.8	340206.1	0.0	0.0	0.0
	MIN	-183491.7	-99068.9	176506.9	0.0	0.0	0.0
22 env SL~1	MAX	-85435.5	5435.9	410424.6	0.0	0.0	0.0
	MIN	-183106.5	-92946.0	277479.8	0.0	0.0	0.0

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23 env SL~1	MAX	-85281.3	6808.6	427760.5	0.0	0.0	0.0
	MIN	-183006.4	-91734.9	293391.3	0.0	0.0	0.0
26 env SL~1	MAX	-93494.4	-13467.7	341088.4	0.0	0.0	0.0
	MIN	-191371.6	-108121.5	48640.6	0.0	0.0	0.0
27 env SL~1	MAX	-93245.6	-12401.2	338127.8	0.0	0.0	0.0
	MIN	-191081.9	-106989.6	70830.3	0.0	0.0	0.0
28 env SL~1	MAX	-92267.1	-6204.6	332466.6	0.0	0.0	0.0
	MIN	-190000.8	-101422.1	152211.6	0.0	0.0	0.0
29 env SL~1	MAX	-91834.3	-1928.9	349557.7	0.0	0.0	0.0
	MIN	-189584.5	-98080.6	199709.0	0.0	0.0	0.0
30 env SL~1	MAX	-91156.6	5128.1	421111.8	0.0	0.0	0.0
	MIN	-189058.6	-92452.1	305959.6	0.0	0.0	0.0
31 env SL~1	MAX	-91018.5	6520.0	439479.7	0.0	0.0	0.0
	MIN	-188967.9	-91304.2	322944.2	0.0	0.0	0.0
34 env SL~1	MAX	-99586.2	-13268.0	350109.8	0.0	0.0	0.0
	MIN	-197742.5	-107941.8	72543.3	0.0	0.0	0.0
35 env SL~1	MAX	-99324.3	-12125.2	346896.0	0.0	0.0	0.0
	MIN	-197442.0	-106731.9	94115.6	0.0	0.0	0.0
36 env SL~1	MAX	-98211.7	-6351.8	341398.4	0.0	0.0	0.0
	MIN	-196228.0	-100876.8	173209.7	0.0	0.0	0.0
37 env SL~1	MAX	-97670.0	-2310.8	358713.1	0.0	0.0	0.0
	MIN	-195699.3	-97521.9	221607.8	0.0	0.0	0.0
38 env SL~1	MAX	-96892.1	4868.0	432056.8	0.0	0.0	0.0
	MIN	-195060.2	-92120.8	334292.4	0.0	0.0	0.0
39 env SL~1	MAX	-96742.2	6589.9	452310.2	0.0	0.0	0.0
	MIN	-194953.9	-91065.1	352504.3	0.0	0.0	0.0

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42 env SL~1	MAX	-107296.5	-13150.9	360186.6	0.0	0.0	0.0
	MIN	-205750.2	-107820.8	102253.3	0.0	0.0	0.0
43 env SL~1	MAX	-106982.2	-11914.3	355797.9	0.0	0.0	0.0
	MIN	-205399.2	-106510.6	122608.2	0.0	0.0	0.0
44 env SL~1	MAX	-105593.9	-5929.2	346659.6	0.0	0.0	0.0
	MIN	-203931.5	-100433.3	196528.6	0.0	0.0	0.0
45 env SL~1	MAX	-104882.5	-2036.1	364308.1	0.0	0.0	0.0
	MIN	-203257.4	-97073.5	245656.6	0.0	0.0	0.0
46 env SL~1	MAX	-103861.1	5546.3	444872.3	0.0	0.0	0.0
	MIN	-202449.6	-91919.4	368348.0	0.0	0.0	0.0
47 env SL~1	MAX	-103685.1	7117.7	468833.8	0.0	0.0	0.0
	MIN	-202343.8	-90953.3	389316.1	0.0	0.0	0.0
50 env SL~1	MAX	-111628.9	-13071.9	365968.6	0.0	0.0	0.0
	MIN	-210244.0	-107729.1	119179.2	0.0	0.0	0.0
51 env SL~1	MAX	-111283.2	-11837.1	361017.8	0.0	0.0	0.0
	MIN	-209864.1	-106420.2	138945.7	0.0	0.0	0.0
52 env SL~1	MAX	-109727.8	-5769.7	349875.9	0.0	0.0	0.0
	MIN	-208251.2	-100265.5	210462.6	0.0	0.0	0.0
53 env SL~1	MAX	-108890.8	-1576.2	367746.8	0.0	0.0	0.0
	MIN	-207471.4	-96922.4	260174.1	0.0	0.0	0.0
54 env SL~1	MAX	-107487.8	5502.5	450712.7	0.0	0.0	0.0
	MIN	-206332.5	-91953.1	386645.4	0.0	0.0	0.0
55 env SL~1	MAX	-107171.7	6845.0	476427.1	0.0	0.0	0.0
	MIN	-206097.5	-91066.3	408912.0	0.0	0.0	0.0
58 env SL~1	MAX	-117595.2	-12997.2	375308.9	0.0	0.0	0.0
	MIN	-216484.6	-107653.6	143268.4	0.0	0.0	0.0

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59 env SL~1	MAX	-117225.9	-11700.6	370453.5	0.0	0.0	0.0
	MIN	-216086.7	-106288.5	162659.4	0.0	0.0	0.0
60 env SL~1	MAX	-115554.3	-5213.9	358694.2	0.0	0.0	0.0
	MIN	-214382.3	-100033.6	232916.7	0.0	0.0	0.0
61 env SL~1	MAX	-114649.2	-887.5	377062.0	0.0	0.0	0.0
	MIN	-213547.6	-96724.0	283911.0	0.0	0.0	0.0
62 env SL~1	MAX	-113204.5	5548.1	461845.8	0.0	0.0	0.0
	MIN	-212367.9	-91963.4	414025.4	0.0	0.0	0.0
63 env SL~1	MAX	-112926.3	6676.3	488344.0	0.0	0.0	0.0
	MIN	-212161.7	-91138.5	437140.3	0.0	0.0	0.0
66 env SL~1	MAX	-123543.0	-12793.4	384904.7	0.0	0.0	0.0
	MIN	-222694.5	-107449.7	167651.9	0.0	0.0	0.0
67 env SL~1	MAX	-123150.9	-11445.9	380348.1	0.0	0.0	0.0
	MIN	-222276.1	-106031.3	186722.6	0.0	0.0	0.0
68 env SL~1	MAX	-121446.2	-3796.6	367847.1	0.0	0.0	0.0
	MIN	-220547.8	-99580.4	256039.7	0.0	0.0	0.0
69 env SL~1	MAX	-120578.4	502.5	386628.9	0.0	0.0	0.0
	MIN	-219749.5	-96282.6	308210.9	0.0	0.0	0.0
70 env SL~1	MAX	-119198.8	6358.3	474602.5	0.0	0.0	0.0
	MIN	-218616.7	-91691.1	442090.9	0.0	0.0	0.0
71 env SL~1	MAX	-118923.2	7498.7	501286.3	0.0	0.0	0.0
	MIN	-218408.9	-90851.9	465843.6	0.0	0.0	0.0
74 env SL~1	MAX	-129437.4	-12507.1	395233.8	0.0	0.0	0.0
	MIN	-228843.6	-107151.2	192574.3	0.0	0.0	0.0
75 env SL~1	MAX	-129015.7	-11031.4	390664.9	0.0	0.0	0.0
	MIN	-228397.7	-105610.0	211171.8	0.0	0.0	0.0

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76 env SL~1	MAX	-127362.3	-874.2	376352.9	0.0	0.0	0.0
	MIN	-226719.6	-98629.2	278855.2	0.0	0.0	0.0
77 env SL~1	MAX	-126589.3	3437.1	395445.9	0.0	0.0	0.0
	MIN	-226012.6	-95326.3	332038.5	0.0	0.0	0.0
78 env SL~1	MAX	-125291.2	7610.6	487417.7	0.0	0.0	0.0
	MIN	-224964.8	-91265.5	461721.2	0.0	0.0	0.0
79 env SL~1	MAX	-124988.2	8166.7	518243.8	0.0	0.0	0.0
	MIN	-224731.9	-90616.1	481298.5	0.0	0.0	0.0
82 env SL~1	MAX	-135431.2	-12062.4	404611.3	0.0	0.0	0.0
	MIN	-235081.3	-106710.7	217363.1	0.0	0.0	0.0
83 env SL~1	MAX	-135027.3	-8772.8	399763.3	0.0	0.0	0.0
	MIN	-234650.7	-104797.2	235277.0	0.0	0.0	0.0
84 env SL~1	MAX	-133387.2	4463.9	384503.5	0.0	0.0	0.0
	MIN	-232984.0	-96900.1	301189.7	0.0	0.0	0.0
85 env SL~1	MAX	-132528.5	8796.2	403894.9	0.0	0.0	0.0
	MIN	-232202.3	-93582.2	355378.6	0.0	0.0	0.0
86 env SL~1	MAX	-131278.9	10087.3	508114.4	0.0	0.0	0.0
	MIN	-231221.0	-90452.0	471344.4	0.0	0.0	0.0
87 env SL~1	MAX	-131010.4	9576.1	546451.9	0.0	0.0	0.0
	MIN	-231026.1	-90138.9	491160.2	0.0	0.0	0.0
90 env SL~1	MAX	-71616.0	-3566.5	209315.0	0.0	0.0	0.0
	MIN	-121451.7	-52547.4	122493.1	0.0	0.0	0.0
91 env SL~1	MAX	-71440.5	-1426.6	205537.0	0.0	0.0	0.0
	MIN	-121262.7	-51475.7	130796.2	0.0	0.0	0.0
92 env SL~1	MAX	-69988.6	5779.3	194708.5	0.0	0.0	0.0
	MIN	-119888.7	-47339.3	160527.7	0.0	0.0	0.0

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93 env SL~1	MAX	-68998.0	7959.8	207310.2	0.0	0.0	0.0
	MIN	-119007.6	-45668.2	187182.9	0.0	0.0	0.0
94 env SL~1	MAX	-67713.4	8069.3	266918.5	0.0	0.0	0.0
	MIN	-117910.0	-44257.1	239567.3	0.0	0.0	0.0
95 env SL~1	MAX	-67597.2	7351.9	287212.5	0.0	0.0	0.0
	MIN	-117821.6	-44247.6	249618.9	0.0	0.0	0.0
501 env SL~1	MAX	-38020.4	-4632.1	153790.1	0.0	0.0	0.0
	MIN	-86637.2	-54851.6	9570.8	0.0	0.0	0.0
502 env SL~1	MAX	-37883.1	-3730.0	151393.1	0.0	0.0	0.0
	MIN	-86475.4	-54541.0	18528.6	0.0	0.0	0.0
503 env SL~1	MAX	-37729.3	-2879.2	150710.9	0.0	0.0	0.0
	MIN	-86294.6	-54172.4	26552.4	0.0	0.0	0.0
504 env SL~1	MAX	-37565.9	-2067.2	150776.4	0.0	0.0	0.0
	MIN	-86103.3	-53752.2	33919.9	0.0	0.0	0.0
505 env SL~1	MAX	-37230.9	-548.4	152989.2	0.0	0.0	0.0
	MIN	-85714.4	-52771.7	47815.2	0.0	0.0	0.0
506 env SL~1	MAX	-37067.5	150.1	155596.9	0.0	0.0	0.0
	MIN	-85527.6	-52214.9	54893.7	0.0	0.0	0.0
507 env SL~1	MAX	-36768.8	1427.7	164359.6	0.0	0.0	0.0
	MIN	-85195.1	-50967.7	70584.6	0.0	0.0	0.0
508 env SL~1	MAX	-36643.0	2005.6	170485.1	0.0	0.0	0.0
	MIN	-85061.6	-50273.6	79644.5	0.0	0.0	0.0
509 env SL~1	MAX	-36541.3	2572.0	177611.7	0.0	0.0	0.0
	MIN	-84960.5	-49528.0	89768.8	0.0	0.0	0.0
510 env SL~1	MAX	-36472.9	3109.7	186127.1	0.0	0.0	0.0
	MIN	-84902.6	-48725.1	101111.0	0.0	0.0	0.0

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511 env SL~1	MAX	-80819.4	-10812.6	316471.5	0.0	0.0	0.0
	MIN	-178114.8	-107549.1	42349.2	0.0	0.0	0.0
512 env SL~1	MAX	-80693.2	-9074.9	312766.7	0.0	0.0	0.0
	MIN	-177957.2	-106818.3	60305.6	0.0	0.0	0.0
513 env SL~1	MAX	-80580.8	-7414.0	311878.2	0.0	0.0	0.0
	MIN	-177820.7	-106007.9	76592.6	0.0	0.0	0.0
514 env SL~1	MAX	-80477.2	-5812.5	312477.9	0.0	0.0	0.0
	MIN	-177700.2	-105118.6	91769.2	0.0	0.0	0.0
515 env SL~1	MAX	-80288.2	-2785.7	317769.2	0.0	0.0	0.0
	MIN	-177499.2	-103110.3	120959.6	0.0	0.0	0.0
516 env SL~1	MAX	-80201.7	-1379.6	323281.1	0.0	0.0	0.0
	MIN	-177418.0	-101993.5	135998.8	0.0	0.0	0.0
517 env SL~1	MAX	-80043.1	1223.2	340991.7	0.0	0.0	0.0
	MIN	-177293.1	-99535.3	169257.6	0.0	0.0	0.0
518 env SL~1	MAX	-79968.0	2421.5	353117.3	0.0	0.0	0.0
	MIN	-177246.7	-98192.7	188246.8	0.0	0.0	0.0
519 env SL~1	MAX	-79890.5	3615.4	367109.3	0.0	0.0	0.0
	MIN	-177205.5	-96773.4	209217.6	0.0	0.0	0.0
520 env SL~1	MAX	-79802.3	4777.0	382523.9	0.0	0.0	0.0
	MIN	-177160.8	-95278.0	232382.3	0.0	0.0	0.0
521 env SL~1	MAX	-86855.6	-11650.6	325855.9	0.0	0.0	0.0
	MIN	-184397.2	-106411.5	66969.2	0.0	0.0	0.0
522 env SL~1	MAX	-86677.0	-10080.4	321976.3	0.0	0.0	0.0
	MIN	-184190.2	-105442.5	84528.1	0.0	0.0	0.0
523 env SL~1	MAX	-86525.2	-8539.5	321013.1	0.0	0.0	0.0
	MIN	-184017.4	-104457.5	100483.3	0.0	0.0	0.0

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524 env SL~1 MAX -86395.0 -7017.0 321509.8 0.0 0.0 0.0
MIN -183873.7 -103447.3 115445.5 0.0 0.0 0.0

525 env SL~1 MAX -86179.5 -4050.0 326757.3 0.0 0.0 0.0
MIN -183653.5 -101329.6 144696.2 0.0 0.0 0.0

526 env SL~1 MAX -86085.0 -2629.4 332341.5 0.0 0.0 0.0
MIN -183567.6 -100217.2 160045.2 0.0 0.0 0.0

527 env SL~1 MAX -85901.1 91.2 350389.4 0.0 0.0 0.0
MIN -183421.3 -97886.7 194483.0 0.0 0.0 0.0

528 env SL~1 MAX -85803.1 1397.6 362769.9 0.0 0.0 0.0
MIN -183351.8 -96674.5 214306.8 0.0 0.0 0.0

529 env SL~1 MAX -85695.3 2737.7 377058.0 0.0 0.0 0.0
MIN -183278.7 -95439.2 236230.0 0.0 0.0 0.0

530 env SL~1 MAX -85573.7 4092.3 393032.1 0.0 0.0 0.0
MIN -183197.8 -94191.0 260408.9 0.0 0.0 0.0

531 env SL~1 MAX -93014.6 -11327.8 334199.9 0.0 0.0 0.0
MIN -190817.1 -105866.4 90159.9 0.0 0.0 0.0

532 env SL~1 MAX -92802.3 -10242.5 330431.9 0.0 0.0 0.0
MIN -190577.7 -104748.5 107306.4 0.0 0.0 0.0

533 env SL~1 MAX -92608.2 -9128.1 330266.8 0.0 0.0 0.0
MIN -190363.1 -103637.5 122937.8 0.0 0.0 0.0

534 env SL~1 MAX -92430.6 -7668.1 330729.4 0.0 0.0 0.0
MIN -190171.6 -102529.7 137701.0 0.0 0.0 0.0

535 env SL~1 MAX -92115.2 -4760.2 335976.9 0.0 0.0 0.0
MIN -189848.0 -100312.3 167043.7 0.0 0.0 0.0

536 env SL~1 MAX -91971.9 -3335.1 341608.6 0.0 0.0 0.0
MIN -189710.2 -99198.6 182721.3 0.0 0.0 0.0

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537 env SL~1	MAX	-91699.9	-540.4	359865.1	0.0	0.0	0.0
	MIN	-189468.3	-96958.7	218403.0	0.0	0.0	0.0
538 env SL~1	MAX	-91566.2	832.2	372411.7	0.0	0.0	0.0
	MIN	-189359.0	-95833.8	239120.9	0.0	0.0	0.0
539 env SL~1	MAX	-91431.4	2254.1	386913.3	0.0	0.0	0.0
	MIN	-189254.7	-94707.4	262091.1	0.0	0.0	0.0
540 env SL~1	MAX	-91294.8	3696.1	403345.8	0.0	0.0	0.0
	MIN	-189154.6	-93580.9	287440.4	0.0	0.0	0.0
541 env SL~1	MAX	-99077.2	-10974.4	342657.3	0.0	0.0	0.0
	MIN	-197162.3	-105531.0	112793.5	0.0	0.0	0.0
542 env SL~1	MAX	-98843.1	-9823.5	339641.5	0.0	0.0	0.0
	MIN	-196901.7	-104346.5	129328.3	0.0	0.0	0.0
543 env SL~1	MAX	-98621.3	-8669.5	339361.1	0.0	0.0	0.0
	MIN	-196659.6	-103175.9	144450.9	0.0	0.0	0.0
544 env SL~1	MAX	-98411.1	-7512.6	339722.0	0.0	0.0	0.0
	MIN	-196435.3	-102019.6	158859.6	0.0	0.0	0.0
545 env SL~1	MAX	-98022.4	-5144.9	344908.5	0.0	0.0	0.0
	MIN	-196037.0	-99746.8	188103.1	0.0	0.0	0.0
546 env SL~1	MAX	-97842.1	-3723.1	350613.1	0.0	0.0	0.0
	MIN	-195861.1	-98628.7	204079.7	0.0	0.0	0.0
547 env SL~1	MAX	-97504.9	-907.8	369246.4	0.0	0.0	0.0
	MIN	-195550.4	-96425.6	241074.9	0.0	0.0	0.0
548 env SL~1	MAX	-97345.7	486.1	382084.4	0.0	0.0	0.0
	MIN	-195413.4	-95338.9	262778.5	0.0	0.0	0.0
549 env SL~1	MAX	-97191.5	1935.3	396928.9	0.0	0.0	0.0
	MIN	-195287.1	-94260.7	286916.2	0.0	0.0	0.0

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550 env SL~1	MAX	-97040.8	3407.2	413867.6	0.0	0.0	0.0
	MIN	-195170.0	-93188.2	313575.9	0.0	0.0	0.0
551 env SL~1	MAX	-106680.8	-10701.3	350227.9	0.0	0.0	0.0
	MIN	-205068.1	-105242.3	139958.3	0.0	0.0	0.0
552 env SL~1	MAX	-106392.1	-9497.2	346787.2	0.0	0.0	0.0
	MIN	-204756.4	-104001.8	155204.7	0.0	0.0	0.0
553 env SL~1	MAX	-106115.2	-8301.7	345676.7	0.0	0.0	0.0
	MIN	-204463.6	-102788.1	169197.9	0.0	0.0	0.0
554 env SL~1	MAX	-105849.4	-7112.6	345396.9	0.0	0.0	0.0
	MIN	-204188.9	-101598.8	182730.2	0.0	0.0	0.0
555 env SL~1	MAX	-105347.9	-4750.8	350009.2	0.0	0.0	0.0
	MIN	-203690.8	-99290.9	211247.6	0.0	0.0	0.0
556 env SL~1	MAX	-105111.0	-3514.7	355822.8	0.0	0.0	0.0
	MIN	-203466.2	-98171.0	227461.6	0.0	0.0	0.0
557 env SL~1	MAX	-104662.1	-561.6	375500.8	0.0	0.0	0.0
	MIN	-203063.9	-95998.0	266220.7	0.0	0.0	0.0
558 env SL~1	MAX	-104449.6	909.0	389258.4	0.0	0.0	0.0
	MIN	-202885.9	-94944.3	289433.4	0.0	0.0	0.0
559 env SL~1	MAX	-104245.0	2443.4	405252.5	0.0	0.0	0.0
	MIN	-202723.5	-93912.6	315452.3	0.0	0.0	0.0
560 env SL~1	MAX	-104048.6	3998.2	423719.3	0.0	0.0	0.0
	MIN	-202577.6	-92904.6	344298.5	0.0	0.0	0.0
561 env SL~1	MAX	-110949.9	-10600.9	354800.9	0.0	0.0	0.0
	MIN	-209504.4	-105129.9	155655.7	0.0	0.0	0.0
562 env SL~1	MAX	-110628.9	-9376.7	350876.1	0.0	0.0	0.0
	MIN	-209164.3	-103869.8	170286.4	0.0	0.0	0.0

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563 env SL~1	MAX	-110319.0	-8163.2	349370.6	0.0	0.0	0.0
	MIN	-208842.9	-102638.7	183750.0	0.0	0.0	0.0
564 env SL~1	MAX	-110019.1	-6961.0	348794.6	0.0	0.0	0.0
	MIN	-208539.0	-101437.5	196887.3	0.0	0.0	0.0
565 env SL~1	MAX	-109443.8	-4493.8	353169.2	0.0	0.0	0.0
	MIN	-207978.4	-99122.5	225157.5	0.0	0.0	0.0
566 env SL~1	MAX	-109165.3	-3023.3	359056.6	0.0	0.0	0.0
	MIN	-207719.0	-98008.1	241563.4	0.0	0.0	0.0
567 env SL~1	MAX	-108618.2	-153.4	379271.1	0.0	0.0	0.0
	MIN	-207234.0	-95865.8	281376.2	0.0	0.0	0.0
568 env SL~1	MAX	-108345.0	1243.3	393477.9	0.0	0.0	0.0
	MIN	-207004.4	-94838.7	305437.8	0.0	0.0	0.0
569 env SL~1	MAX	-108068.2	2679.9	410101.4	0.0	0.0	0.0
	MIN	-206780.0	-93842.7	332495.5	0.0	0.0	0.0
570 env SL~1	MAX	-107784.1	4113.2	429334.0	0.0	0.0	0.0
	MIN	-206557.5	-92878.5	362538.4	0.0	0.0	0.0
571 env SL~1	MAX	-116870.2	-10429.5	364189.0	0.0	0.0	0.0
	MIN	-215709.5	-104965.0	178952.7	0.0	0.0	0.0
572 env SL~1	MAX	-116526.1	-9174.9	359675.0	0.0	0.0	0.0
	MIN	-215351.4	-103676.5	193193.8	0.0	0.0	0.0
573 env SL~1	MAX	-116192.7	-7939.4	358145.3	0.0	0.0	0.0
	MIN	-215011.4	-102425.5	206355.3	0.0	0.0	0.0
574 env SL~1	MAX	-115869.2	-6722.2	357569.0	0.0	0.0	0.0
	MIN	-214688.8	-101211.1	219328.6	0.0	0.0	0.0
575 env SL~1	MAX	-115247.0	-3722.1	362089.2	0.0	0.0	0.0
	MIN	-214090.9	-98893.2	247826.8	0.0	0.0	0.0

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576 env SL~1	MAX	-114945.8	-2279.7	368142.6	0.0	0.0	0.0
	MIN	-213813.1	-97789.9	264661.5	0.0	0.0	0.0
577 env SL~1	MAX	-114356.1	454.0	388870.1	0.0	0.0	0.0
	MIN	-213292.9	-95695.6	305942.0	0.0	0.0	0.0
578 env SL~1	MAX	-114065.3	1743.6	403398.4	0.0	0.0	0.0
	MIN	-213048.1	-94704.9	330986.0	0.0	0.0	0.0
579 env SL~1	MAX	-113776.2	3050.1	420655.6	0.0	0.0	0.0
	MIN	-212812.4	-93752.4	359125.6	0.0	0.0	0.0
580 env SL~1	MAX	-113489.1	4324.6	440210.5	0.0	0.0	0.0
	MIN	-212585.6	-92840.0	390278.5	0.0	0.0	0.0
581 env SL~1	MAX	-122775.8	-10118.1	374297.0	0.0	0.0	0.0
	MIN	-221882.0	-104653.1	202671.5	0.0	0.0	0.0
582 env SL~1	MAX	-122418.6	-8816.4	368526.5	0.0	0.0	0.0
	MIN	-221513.1	-103318.7	216601.2	0.0	0.0	0.0
583 env SL~1	MAX	-122079.0	-7097.1	367083.6	0.0	0.0	0.0
	MIN	-221168.8	-102026.5	229534.3	0.0	0.0	0.0
584 env SL~1	MAX	-121755.5	-5412.3	366608.0	0.0	0.0	0.0
	MIN	-220847.7	-100779.6	242403.0	0.0	0.0	0.0
585 env SL~1	MAX	-121148.6	-2270.9	371369.0	0.0	0.0	0.0
	MIN	-220266.5	-98430.8	271169.0	0.0	0.0	0.0
586 env SL~1	MAX	-120860.2	-838.1	377561.4	0.0	0.0	0.0
	MIN	-220001.3	-97331.7	288398.7	0.0	0.0	0.0
587 env SL~1	MAX	-120300.7	1755.2	398589.8	0.0	0.0	0.0
	MIN	-219508.6	-95281.9	330951.3	0.0	0.0	0.0
588 env SL~1	MAX	-120025.0	2928.7	413270.5	0.0	0.0	0.0
	MIN	-219276.2	-94326.5	356818.3	0.0	0.0	0.0

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589 env SL~1	MAX	-119749.8	4104.6	430971.9	0.0	0.0	0.0
	MIN	-219050.5	-93412.7	385848.5	0.0	0.0	0.0
590 env SL~1	MAX	-119474.2	5256.5	450668.3	0.0	0.0	0.0
	MIN	-218830.6	-92533.9	417902.2	0.0	0.0	0.0
591 env SL~1	MAX	-128628.5	-8974.3	384524.7	0.0	0.0	0.0
	MIN	-227992.8	-104099.5	226600.3	0.0	0.0	0.0
592 env SL~1	MAX	-128273.7	-6750.3	378154.1	0.0	0.0	0.0
	MIN	-227626.6	-102632.7	240051.1	0.0	0.0	0.0
593 env SL~1	MAX	-127947.4	-4652.3	375543.1	0.0	0.0	0.0
	MIN	-227295.1	-101226.7	252612.2	0.0	0.0	0.0
594 env SL~1	MAX	-127645.0	-2683.8	375073.6	0.0	0.0	0.0
	MIN	-226994.2	-99890.1	265260.4	0.0	0.0	0.0
595 env SL~1	MAX	-127094.8	751.3	379948.4	0.0	0.0	0.0
	MIN	-226467.1	-97447.6	294134.0	0.0	0.0	0.0
596 env SL~1	MAX	-126838.5	2188.2	386245.5	0.0	0.0	0.0
	MIN	-226232.7	-96346.7	311704.8	0.0	0.0	0.0
597 env SL~1	MAX	-126343.0	4504.0	407564.0	0.0	0.0	0.0
	MIN	-225802.4	-94384.3	355459.3	0.0	0.0	0.0
598 env SL~1	MAX	-126095.1	5401.3	422513.8	0.0	0.0	0.0
	MIN	-225597.7	-93516.3	382132.3	0.0	0.0	0.0
599 env SL~1	MAX	-125840.6	6220.7	440608.7	0.0	0.0	0.0
	MIN	-225393.5	-92715.2	412050.0	0.0	0.0	0.0
600 env SL~1	MAX	-125574.4	6944.9	461441.8	0.0	0.0	0.0
	MIN	-225184.4	-91972.1	442135.3	0.0	0.0	0.0
601 env SL~1	MAX	-134664.9	-5514.5	393354.7	0.0	0.0	0.0
	MIN	-234267.7	-102982.4	250075.6	0.0	0.0	0.0

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602 env SL~1 MAX -134327.0 -2569.8 386772.7 0.0 0.0 0.0
MIN -233916.4 -101284.5 263007.1 0.0 0.0 0.0

603 env SL~1 MAX -134004.1 63.8 383718.0 0.0 0.0 0.0
MIN -233587.9 -99704.2 275192.1 0.0 0.0 0.0

604 env SL~1 MAX -133691.5 2410.8 383214.0 0.0 0.0 0.0
MIN -233277.7 -98242.9 287628.4 0.0 0.0 0.0

605 env SL~1 MAX -133091.4 6211.8 388154.2 0.0 0.0 0.0
MIN -232706.4 -95675.8 316620.6 0.0 0.0 0.0

606 env SL~1 MAX -132804.8 7656.0 394551.4 0.0 0.0 0.0
MIN -232445.5 -94569.7 334529.4 0.0 0.0 0.0

607 env SL~1 MAX -132263.5 9630.3 416195.2 0.0 0.0 0.0
MIN -231977.4 -92714.0 379473.8 0.0 0.0 0.0

608 env SL~1 MAX -132009.6 10154.8 431653.5 0.0 0.0 0.0
MIN -231770.4 -91965.8 406950.3 0.0 0.0 0.0

609 env SL~1 MAX -131764.9 10436.4 450088.0 0.0 0.0 0.0
MIN -231579.4 -91339.1 430645.8 0.0 0.0 0.0

610 env SL~1 MAX -131524.6 10427.3 473743.5 0.0 0.0 0.0
MIN -231399.5 -90832.8 451496.1 0.0 0.0 0.0

611 env SL~1 MAX -71208.4 426.5 201204.3 0.0 0.0 0.0
MIN -121029.3 -50499.4 137495.3 0.0 0.0 0.0

612 env SL~1 MAX -70936.1 2051.2 196951.8 0.0 0.0 0.0
MIN -120765.8 -49602.5 143242.5 0.0 0.0 0.0

613 env SL~1 MAX -70636.0 3469.1 195050.7 0.0 0.0 0.0
MIN -120482.8 -48779.5 148643.2 0.0 0.0 0.0

614 env SL~1 MAX -70317.7 4710.3 194394.8 0.0 0.0 0.0
MIN -120188.3 -48026.0 154244.5 0.0 0.0 0.0

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615 env SL~1	MAX	-69655.2	6675.7	196599.4	0.0	0.0	0.0
	MIN	-119589.0	-46717.7	167903.0	0.0	0.0	0.0
616 env SL~1	MAX	-69323.2	7402.7	201012.3	0.0	0.0	0.0
	MIN	-119293.8	-46160.6	176704.2	0.0	0.0	0.0
617 env SL~1	MAX	-68685.5	8343.6	215498.6	0.0	0.0	0.0
	MIN	-118735.0	-45241.7	198367.4	0.0	0.0	0.0
618 env SL~1	MAX	-68392.0	8546.7	225474.8	0.0	0.0	0.0
	MIN	-118481.3	-44883.3	207654.5	0.0	0.0	0.0
619 env SL~1	MAX	-68125.2	8595.1	237022.7	0.0	0.0	0.0
	MIN	-118253.1	-44596.3	218723.2	0.0	0.0	0.0
620 env SL~1	MAX	-67894.7	8445.0	249806.1	0.0	0.0	0.0
	MIN	-118058.8	-44386.3	229283.0	0.0	0.0	0.0
5001 env SL~1	MAX	-19106.3	-3876.3	80321.9	0.0	0.0	0.0
	MIN	-43436.7	-27646.1	-12647.9	0.0	0.0	0.0
5008 env SL~1	MAX	-96837.9	11211.3	562409.9	0.0	0.0	0.0
	MIN	-225233.7	-120794.9	331185.2	0.0	0.0	0.0
5009 env SL~1	MAX	-40712.0	-7290.9	161819.8	0.0	0.0	0.0
	MIN	-89430.0	-54654.9	-13612.4	0.0	0.0	0.0
5016 env SL~1	MAX	-160758.2	16603.2	877884.0	0.0	0.0	0.0
	MIN	-358518.3	-183988.3	565618.4	0.0	0.0	0.0
5017 env SL~1	MAX	-43793.9	-7352.7	166681.2	0.0	0.0	0.0
	MIN	-92628.9	-54720.0	-827.5	0.0	0.0	0.0
5024 env SL~1	MAX	-171507.2	16205.6	894349.0	0.0	0.0	0.0
	MIN	-368502.1	-182075.3	622501.1	0.0	0.0	0.0
5025 env SL~1	MAX	-46880.3	-7233.4	170980.0	0.0	0.0	0.0
	MIN	-95843.1	-54602.1	11458.3	0.0	0.0	0.0

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5032 env SL~1 MAX -180281.8 15786.5 907035.0 0.0 0.0 0.0
MIN -374726.6 -178941.6 673909.5 0.0 0.0 0.0

5033 env SL~1 MAX -49932.9 -7230.9 175578.6 0.0 0.0 0.0
MIN -99033.4 -54608.2 23660.4 0.0 0.0 0.0

5040 env SL~1 MAX -220101.8 18572.0 1074391.0 0.0 0.0 0.0
MIN -443975.3 -205270.2 843907.7 0.0 0.0 0.0

5041 env SL~1 MAX -53811.9 -7180.8 181030.3 0.0 0.0 0.0
MIN -103060.4 -54563.6 38974.5 0.0 0.0 0.0

5048 env SL~1 MAX -111096.7 9825.4 528256.7 0.0 0.0 0.0
MIN -217077.2 -96430.6 439867.0 0.0 0.0 0.0

5049 env SL~1 MAX -55993.4 -7177.8 184112.3 0.0 0.0 0.0
MIN -105322.3 -54552.6 47659.9 0.0 0.0 0.0

5056 env SL~1 MAX -53415.5 3954.2 251071.9 0.0 0.0 0.0
MIN -102923.7 -45237.8 215425.1 0.0 0.0 0.0

5057 env SL~1 MAX -58990.2 -7131.6 188651.6 0.0 0.0 0.0
MIN -108453.0 -54503.3 59835.5 0.0 0.0 0.0

5064 env SL~1 MAX -56332.1 4208.1 257424.9 0.0 0.0 0.0
MIN -105987.4 -45056.4 229877.7 0.0 0.0 0.0

5065 env SL~1 MAX -61976.2 -7108.6 193256.9 0.0 0.0 0.0
MIN -111568.7 -54480.7 72143.5 0.0 0.0 0.0

5072 env SL~1 MAX -59319.5 4040.6 263914.1 0.0 0.0 0.0
MIN -109100.3 -45112.4 244452.7 0.0 0.0 0.0

5073 env SL~1 MAX -64944.2 -6970.3 198343.2 0.0 0.0 0.0
MIN -114663.5 -54335.6 84762.7 0.0 0.0 0.0

5080 env SL~1 MAX -62338.7 4560.1 278495.4 0.0 0.0 0.0
MIN -112248.3 -44926.7 249760.9 0.0 0.0 0.0

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5081 env SL~1	MAX	-67954.4	-6986.4	203107.0	0.0	0.0	0.0
	MIN	-117794.9	-54353.5	97466.3	0.0	0.0	0.0
5088 env SL~1	MAX	-65340.7	4338.6	292813.8	0.0	0.0	0.0
	MIN	-115388.7	-44981.7	254751.3	0.0	0.0	0.0
5089 env SL~1	MAX	-35856.0	-3034.3	105948.4	0.0	0.0	0.0
	MIN	-60787.8	-26867.4	55960.3	0.0	0.0	0.0
5096 env SL~1	MAX	-33785.8	3166.3	153995.4	0.0	0.0	0.0
	MIN	-58908.8	-22171.8	129373.9	0.0	0.0	0.0
5110 env SL~1	MAX	-43609.8	10502.4	323166.4	0.0	0.0	0.0
	MIN	-106480.0	-56249.6	195795.3	0.0	0.0	0.0
5123 env SL~1	MAX	-57191.8	26433.1	714460.9	0.0	0.0	0.0
	MIN	-126640.4	-49911.0	430591.7	0.0	0.0	0.0
5125 env SL~1	MAX	-91379.2	15731.3	590574.3	0.0	0.0	0.0
	MIN	-216270.6	-114360.6	354067.3	0.0	0.0	0.0
5138 env SL~1	MAX	-90620.0	26336.1	710903.2	0.0	0.0	0.0
	MIN	-217738.6	-109719.0	470778.7	0.0	0.0	0.0
5139 env SL~1	MAX	-95794.1	32348.3	874533.1	0.0	0.0	0.0
	MIN	-225473.4	-108103.8	559840.2	0.0	0.0	0.0
5140 env SL~1	MAX	-101391.4	38828.8	1044513.3	0.0	0.0	0.0
	MIN	-233516.6	-105893.9	651772.5	0.0	0.0	0.0
5141 env SL~1	MAX	-108386.0	46234.5	1234918.5	0.0	0.0	0.0
	MIN	-244408.9	-103962.4	755188.8	0.0	0.0	0.0
5190 env SL~1	MAX	-137394.3	20665.5	726136.4	0.0	0.0	0.0
	MIN	-272388.1	-118175.7	600546.4	0.0	0.0	0.0
5191 env SL~1	MAX	-155374.8	31677.4	961276.3	0.0	0.0	0.0
	MIN	-312837.2	-133013.3	743924.6	0.0	0.0	0.0

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5192 env SL~1	MAX	-148932.8	38909.6	1078300.0	0.0	0.0	0.0
	MIN	-305197.5	-127256.6	781364.2	0.0	0.0	0.0
5193 env SL~1	MAX	-139898.3	44814.8	1172805.0	0.0	0.0	0.0
	MIN	-292003.0	-119454.4	803407.0	0.0	0.0	0.0
5194 env SL~1	MAX	-130347.0	49474.4	1254537.0	0.0	0.0	0.0
	MIN	-277252.7	-111418.4	818479.1	0.0	0.0	0.0
5195 env SL~1	MAX	-121165.9	52490.9	1328909.8	0.0	0.0	0.0
	MIN	-262709.1	-104011.0	830561.8	0.0	0.0	0.0
5268 env SL~1	MAX	-188972.4	42609.4	1275608.1	0.0	0.0	0.0
	MIN	-441788.5	-224285.0	837986.3	0.0	0.0	0.0
5269 env SL~1	MAX	-199911.1	53900.8	1449382.1	0.0	0.0	0.0
	MIN	-458658.7	-220839.3	985096.8	0.0	0.0	0.0
5270 env SL~1	MAX	-210888.1	65928.3	1756998.3	0.0	0.0	0.0
	MIN	-474885.3	-216239.8	1150371.3	0.0	0.0	0.0
5271 env SL~1	MAX	-226632.1	80183.9	2170059.8	0.0	0.0	0.0
	MIN	-501268.8	-214473.9	1381742.0	0.0	0.0	0.0
5272 env SL~1	MAX	-181247.0	29304.6	1090091.6	0.0	0.0	0.0
	MIN	-413651.5	-210859.2	706414.9	0.0	0.0	0.0
5273 env SL~1	MAX	-208703.5	43032.5	1282600.5	0.0	0.0	0.0
	MIN	-467975.7	-226999.0	895539.8	0.0	0.0	0.0
5274 env SL~1	MAX	-219723.7	54526.3	1492057.6	0.0	0.0	0.0
	MIN	-484190.4	-222478.3	1041550.1	0.0	0.0	0.0
5275 env SL~1	MAX	-240265.9	72108.8	1933222.1	0.0	0.0	0.0
	MIN	-520361.6	-225202.7	1296150.9	0.0	0.0	0.0
5276 env SL~1	MAX	-211082.2	28388.7	1144665.3	0.0	0.0	0.0
	MIN	-446636.9	-210375.2	852067.3	0.0	0.0	0.0

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5277 env SL~1 MAX -263543.9 50341.7 1554036.9 0.0 0.0 0.0
MIN -549189.5 -245275.1 1190292.3 0.0 0.0 0.0

5278 env SL~1 MAX -198314.9 29152.5 1117206.4 0.0 0.0 0.0
MIN -434990.5 -212843.6 777874.7 0.0 0.0 0.0

5279 env SL~1 MAX -227097.4 42632.7 1318839.3 0.0 0.0 0.0
MIN -489983.3 -227756.4 980210.0 0.0 0.0 0.0

5280 env SL~1 MAX -253375.5 62365.3 1738872.3 0.0 0.0 0.0
MIN -537980.3 -236329.1 1240347.1 0.0 0.0 0.0

5281 env SL~1 MAX -248900.0 34160.3 1320742.7 0.0 0.0 0.0
MIN -509800.4 -231689.2 1039730.7 0.0 0.0 0.0

SUMMATION OF REACTION FORCES

LC SUM-FX SUM-FY SUM-FZ

REACTION FORCES & MOMENTS LOCAL PRINTOUT

Unit System : N , m

Node LC FX FY FZ MX MY MZ

PLATE ELEMENT FORCES (GLOBAL) DEFAULT PRINTOUT

Unit System : N , m

ELEM MAT SEC LC NODE FX FY FZ MX MY MZ

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1480	3	2 env SL~1	MAX	1001	6477.7	1991770.0	4943.1	50.2	2778.9	-23.1
				2081	6477.7	426768.9	-69.8	0.0	0.0	-23.1
				2082	30232.2	426768.9	-1344.6	18.8	210.6	-23.1
				1002	30232.2	1991770.0	-816.3	92.2	2943.6	-23.1
			MIN	1001	-30232.2	-426768.9	2646.7	-59.7	-6236.6	-34.2
				2081	-30232.2	-1991770.0	-118.1	-0.0	-0.0	-34.2
				2082	-6477.7	-1991770.0	-3562.2	-157.4	-4098.2	-34.2
				1002	-6477.7	-426768.9	-1168.2	3.3	-323.7	-34.2
1481	3	2 env SL~1	MAX	1002	6477.7	1991770.0	962.3	-4.3	170.8	-23.1
				2082	6477.7	426768.9	3326.0	157.4	4098.2	-23.1
				2083	30232.2	426768.9	-1226.3	-32.0	618.0	-23.1
				1003	30232.2	1991770.0	-506.4	130.3	-146.5	-23.1
			MIN	1002	-30232.2	-426768.9	672.5	-211.9	-3058.6	-34.2
				2082	-30232.2	-1991770.0	1204.9	-18.8	-210.6	-34.2
				2083	-6477.7	-1991770.0	-2070.6	-76.8	-1772.1	-34.2
				1003	-6477.7	-426768.9	-2035.6	64.8	-3693.2	-34.2
1482	3	2 env SL~1	MAX	1003	6477.7	1991770.0	1839.0	-33.3	3570.7	-23.1
				2083	6477.7	426768.9	1834.5	76.8	1772.1	-23.1
				2084	30232.2	426768.9	-379.0	-53.6	-493.2	-23.1
				1501	30232.2	1991770.0	-735.5	81.5	-1250.7	-23.1
			MIN	1003	-30232.2	-426768.9	194.2	-65.7	20.3	-34.2
				2083	-30232.2	-1991770.0	1086.6	32.0	-618.0	-34.2
				2084	-6477.7	-1991770.0	-1796.1	-82.1	-2510.1	-34.2
				1501	-6477.7	-426768.9	-1691.0	54.4	-3621.7	-34.2
1483	3	2 env SL~1	MAX	1501	6477.7	1991770.0	1430.9	-58.4	3550.0	-23.1
				2084	6477.7	426768.9	1559.9	82.1	2510.1	-23.1
				2085	30232.2	426768.9	-291.7	-5.9	-1118.8	-23.1
				1502	30232.2	1991770.0	-219.9	71.7	-2161.5	-23.1
			MIN	1501	-30232.2	-426768.9	438.6	-88.0	1122.9	-34.2
				2084	-30232.2	-1991770.0	239.3	53.6	493.2	-34.2
				2085	-6477.7	-1991770.0	-1451.7	-66.2	-2499.5	-34.2
				1502	-6477.7	-426768.9	-1356.2	9.6	-3952.5	-34.2
1484	3	2 env SL~1	MAX	1502	6477.7	1991770.0	1054.9	-4.5	3938.2	-23.1
				2085	6477.7	426768.9	1215.5	66.2	2499.5	-23.1
				2086	30232.2	426768.9	101.9	45.3	-1459.1	-23.1
				1503	30232.2	1991770.0	-23.3	53.9	-2555.5	-23.1
			MIN	1502	-30232.2	-426768.9	-64.3	-68.4	2090.6	-34.2
				2085	-30232.2	-1991770.0	152.0	5.9	1118.8	-34.2
				2086	-6477.7	-1991770.0	-1049.5	-51.0	-2518.9	-34.2

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			1503	-6477.7	-426768.9	-1037.9	-45.0	-3921.9	-34.2	
1485	3	2 env SL~1 MAX	1503	6477.7	1991770.0	708.6	46.4	3969.1	-23.1	
			2086	6477.7	426768.9	813.3	51.0	2518.9	-23.1	
			2087	30232.2	426768.9	378.1	99.7	-1629.8	-23.1	
			1504	30232.2	1991770.0	282.0	23.7	-2775.3	-23.1	
		MIN	1503	-30232.2	-426768.9	-252.2	-52.5	2516.7	-34.2	
			2086	-30232.2	-1991770.0	-241.6	-45.3	1459.1	-34.2	
			2087	-6477.7	-1991770.0	-662.7	-21.5	-2384.2	-34.2	
			1504	-6477.7	-426768.9	-676.3	-100.3	-3905.8	-34.2	
1486	3	2 env SL~1 MAX	1504	6477.7	1991770.0	329.8	102.1	3891.4	-23.1	
			2087	6477.7	426768.9	426.5	21.5	2384.2	-23.1	
			2088	30232.2	426768.9	681.4	147.4	-1669.8	-23.1	
			1004	30232.2	1991770.0	550.4	-14.3	-2808.7	-23.1	
		MIN	1504	-30232.2	-426768.9	-547.6	-21.9	2774.4	-34.2	
			2087	-30232.2	-1991770.0	-517.8	-99.7	1629.8	-34.2	
			2088	-6477.7	-1991770.0	-259.9	15.4	-2394.5	-34.2	
			1004	-6477.7	-426768.9	-313.4	-149.0	-3993.6	-34.2	
1487	3	2 env SL~1 MAX	1004	6477.7	1991770.0	-41.4	150.5	4031.8	-23.1	
			2088	6477.7	426768.9	23.7	-15.4	2394.5	-23.1	
			2089	30232.2	426768.9	966.6	186.4	-1574.0	-23.1	
			1505	30232.2	1991770.0	824.7	-54.3	-2662.2	-23.1	
		MIN	1004	-30232.2	-426768.9	-803.8	16.1	2848.4	-34.2	
			2088	-30232.2	-1991770.0	-821.1	-147.4	1669.8	-34.2	
			2089	-6477.7	-1991770.0	141.7	54.4	-2286.0	-34.2	
			1505	-6477.7	-426768.9	58.9	-188.9	-3820.3	-34.2	
1488	3	2 env SL~1 MAX	1505	6477.7	1991770.0	-402.6	190.2	3912.4	-23.1	
			2089	6477.7	426768.9	-371.6	-54.4	2286.0	-23.1	
			2090	30232.2	426768.9	1245.2	212.5	-1174.1	-23.1	
			1506	30232.2	1991770.0	1089.5	-89.9	-2047.5	-23.1	
		MIN	1505	-30232.2	-426768.9	-1062.1	56.1	2741.6	-34.2	
			2089	-30232.2	-1991770.0	-1106.3	-186.4	1574.0	-34.2	
			2090	-6477.7	-1991770.0	530.4	88.9	-2039.0	-34.2	
			1506	-6477.7	-426768.9	426.6	-215.8	-3497.0	-34.2	
1489	3	2 env SL~1 MAX	1506	6477.7	1991770.0	-697.6	217.0	3606.9	-23.1	
			2090	6477.7	426768.9	-712.2	-88.9	2039.0	-23.1	
			2091	30232.2	426768.9	1505.4	222.5	-500.1	-23.1	
			1005	30232.2	1991770.0	1351.9	-116.7	-1138.4	-23.1	

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			MIN	1506	-30232.2	-426768.9	-1306.1	91.4	2292.1	-34.2
				2090	-30232.2	-1991770.0	-1384.9	-212.5	1174.1	-34.2
				2091	-6477.7	-1991770.0	842.2	114.7	-1625.4	-34.2
				1005	-6477.7	-426768.9	734.0	-226.6	-2932.8	-34.2
1490	3	2 env SL~1 MAX		1005	6477.7	1991770.0	-940.9	227.5	3085.7	-23.1
				2091	6477.7	426768.9	-981.9	-114.7	1625.4	-23.1
				2092	30232.2	426768.9	1765.5	212.1	304.6	-23.1
				1507	30232.2	1991770.0	1587.2	-128.1	-53.9	-23.1
			MIN	1005	-30232.2	-426768.9	-1541.2	118.0	1403.3	-34.2
				2091	-30232.2	-1991770.0	-1645.1	-222.5	500.1	-34.2
				2092	-6477.7	-1991770.0	1104.2	125.4	-1017.0	-34.2
				1507	-6477.7	-426768.9	985.0	-216.7	-2112.3	-34.2
1491	3	2 env SL~1 MAX		1507	6477.7	1991770.0	-1170.0	217.5	2296.6	-23.1
				2092	6477.7	426768.9	-1243.9	-125.4	1017.0	-23.1
				2093	30232.2	426768.9	1948.0	179.6	1223.5	-23.1
				1508	30232.2	1991770.0	1864.6	-121.6	1217.4	-23.1
			MIN	1507	-30232.2	-426768.9	-1741.0	129.1	320.7	-34.2
				2092	-30232.2	-1991770.0	-1905.2	-212.1	-304.6	-34.2
				2093	-6477.7	-1991770.0	1346.9	118.1	-226.7	-34.2
				1508	-6477.7	-426768.9	1233.2	-185.4	-1029.1	-34.2
1492	3	2 env SL~1 MAX		1508	6477.7	1991770.0	-1387.2	185.0	1228.5	-23.1
				2093	6477.7	426768.9	-1486.6	-118.1	226.7	-23.1
				2094	30232.2	426768.9	2284.6	115.6	2293.2	-23.1
				1509	30232.2	1991770.0	2055.0	-94.9	2629.8	-23.1
			MIN	1508	-30232.2	-426768.9	-1971.7	122.1	-970.2	-34.2
				2093	-30232.2	-1991770.0	-2098.3	-179.6	-1223.5	-34.2
				2094	-6477.7	-1991770.0	1584.1	89.8	747.9	-34.2
				1509	-6477.7	-426768.9	1456.1	-119.9	298.4	-34.2
1493	3	2 env SL~1 MAX		1509	6477.7	1991770.0	-1566.7	126.7	-103.9	-23.1
				2094	6477.7	426768.9	-1723.7	-89.8	-747.9	-23.1
				2095	30232.2	426768.9	2587.3	64.9	3104.7	-23.1
				1510	30232.2	1991770.0	2445.6	-30.8	4573.6	-23.1
			MIN	1509	-30232.2	-426768.9	-2232.7	97.3	-2426.0	-34.2
				2094	-30232.2	-1991770.0	-2424.3	-115.6	-2293.2	-34.2
				2095	-6477.7	-1991770.0	1816.2	23.9	1649.7	-34.2
				1510	-6477.7	-426768.9	1640.5	-72.5	1970.9	-34.2
1494	3	2 env SL~1 MAX		1510	6477.7	1991770.0	-1690.0	71.3	-1814.8	-23.1
				2095	6477.7	426768.9	-1955.9	-23.9	-1649.7	-23.1

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			2096	30232.2	426768.9	2883.2	3.7	5060.0	-23.1	
			1006	30232.2	1991770.0	2924.7	95.4	5613.8	-23.1	
		MIN	1510	-30232.2	-426768.9	-2401.4	30.7	-4437.5	-34.2	
			2095	-30232.2	-1991770.0	-2823.5	-64.9	-3104.7	-34.2	
			2096	-6477.7	-1991770.0	1835.8	-83.4	2614.4	-34.2	
			1006	-6477.7	-426768.9	1953.3	-13.9	3417.1	-34.2	
1495	3	2 env SL~1 MAX	1006	6477.7	1991770.0	-1770.5	39.4	-3332.2	-23.1	
			2096	6477.7	426768.9	-1975.4	83.4	-2614.4	-23.1	
			2097	30232.2	426768.9	4697.2	-96.2	3865.2	-23.1	
			1007	30232.2	1991770.0	1013.4	166.4	13372.3	-23.1	
		MIN	1006	-30232.2	-426768.9	-2872.8	-13.6	-5551.6	-34.2	
			2096	-30232.2	-1991770.0	-3022.9	-3.7	-5060.0	-34.2	
			2097	-6477.7	-1991770.0	3357.4	-196.8	452.1	-34.2	
			1007	-6477.7	-426768.9	720.0	76.2	6414.9	-34.2	
1496	3	2 env SL~1 MAX	1007	6477.7	1991770.0	-454.2	-24.2	-6361.2	-23.1	
			2097	6477.7	426768.9	-3497.0	196.8	-452.1	-23.1	
			2098	30232.2	426768.9	-69.8	0.0	0.0	-23.1	
			1008	30232.2	1991770.0	5999.2	-65.0	16999.2	-23.1	
		MIN	1007	-30232.2	-426768.9	-843.0	-176.3	-13356.2	-34.2	
			2097	-30232.2	-1991770.0	-4933.4	96.2	-3865.2	-34.2	
			2098	-6477.7	-1991770.0	-118.1	-0.0	-0.0	-34.2	
			1008	-6477.7	-426768.9	4281.6	-142.7	11244.3	-34.2	
1497	3	1 env SL~1 MAX	1009	2313562.8	1972049.5	821517.0	28439.1	571262.3	-1.3	
			1001	2313562.8	422543.5	842412.5	62.3	530729.0	-1.3	
			1002	1.08e+007	422543.5	-365227.7	17809.2	547941.7	-1.3	
			1010	1.08e+007	1972049.5	-282589.4	32769.2	535567.0	-1.3	
		MIN	1009	-1.08e+007	-422543.5	291762.5	-36430.5	-1072759.0	-1.9	
			1001	-1.08e+007	-1972049.5	415468.4	-46.0	-1084751.0	-1.9	
			1002	-2313562.8	-1972049.5	-825195.5	12514.4	-767783.9	-1.9	
			1010	-2313562.8	-422543.5	-773240.3	-36490.3	-780576.2	-1.9	
1498	3	1 env SL~1 MAX	1010	2313562.8	1972049.5	694369.9	32590.2	773356.0	-1.3	
			1002	2313562.8	422543.5	741482.6	-12481.9	767936.7	-1.3	
			1003	1.08e+007	422543.5	-267758.0	19407.5	87263.0	-1.3	
			1011	1.08e+007	1972049.5	-208495.9	32689.9	78427.0	-1.3	
		MIN	1010	-1.08e+007	-422543.5	220591.0	-12897.5	-541214.1	-1.9	
			1002	-1.08e+007	-1972049.5	315076.8	-17774.5	-547826.7	-1.9	
			1003	-2313562.8	-1972049.5	-717316.5	11039.6	-939436.8	-1.9	
			1011	-2313562.8	-422543.5	-653163.0	-20648.9	-935194.8	-1.9	

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1499	3	1	env SL~1	MAX	1011	2313562.8	1972049.5	570901.1	37121.7	930761.8	-1.3
					1003	2313562.8	422543.5	633682.8	-11104.1	939559.3	-1.3
					1501	1.08e+007	422543.5	-169072.6	18420.7	-295541.0	-1.3
					1511	1.08e+007	1972049.5	-138196.3	34537.9	-299085.5	-1.3
				MIN	1011	-1.08e+007	-422543.5	149135.3	4194.5	-85292.8	-1.9
					1003	-1.08e+007	-1972049.5	217547.5	-19454.4	-87134.0	-1.9
					1501	-2313562.8	-1972049.5	-601148.4	7145.6	-1053138.1	-1.9
					1511	-2313562.8	-422543.5	-538066.4	-4264.1	-1039190.7	-1.9
1500	3	1	env SL~1	MAX	1511	2313562.8	1972049.5	451978.7	39063.2	1038182.0	-1.3
					1501	2313562.8	422543.5	517576.9	-7135.7	1053209.8	-1.3
					1502	1.08e+007	422543.5	-69994.2	15478.3	-565248.6	-1.3
					1512	1.08e+007	1972049.5	-67986.0	35100.6	-558816.8	-1.3
				MIN	1511	-1.08e+007	-422543.5	78547.3	15748.6	291442.3	-1.9
					1501	-1.08e+007	-1972049.5	118846.8	-18416.3	295668.8	-1.9
					1502	-2313562.8	-1972049.5	-478632.3	2035.6	-1110760.9	-1.9
					1512	-2313562.8	-422543.5	-425558.0	8937.4	-1091107.2	-1.9
1501	3	1	env SL~1	MAX	1512	2313562.8	1972049.5	336652.3	39649.1	1094292.4	-1.3
					1502	2313562.8	422543.5	395102.0	-2040.8	1110775.1	-1.3
					1503	1.08e+007	422543.5	28950.8	11260.6	-689739.6	-1.3
					1513	1.08e+007	1972049.5	2389.2	34321.2	-679590.4	-1.3
				MIN	1512	-1.08e+007	-422543.5	8318.2	22826.3	555936.4	-1.9
					1502	-1.08e+007	-1972049.5	19755.7	-15481.6	565319.5	-1.9
					1503	-2313562.8	-1972049.5	-351384.4	-3393.0	-1113371.6	-1.9
					1513	-2313562.8	-422543.5	-315009.0	17931.8	-1090620.1	-1.9
1502	3	1	env SL~1	MAX	1513	2313562.8	1972049.5	223974.6	38823.7	1098183.0	-1.3
					1503	2313562.8	422543.5	267882.2	3391.5	1113324.4	-1.3
					1504	1.08e+007	422543.5	127111.0	6200.4	-760177.4	-1.3
					1514	1.08e+007	1972049.5	73474.0	32248.4	-747392.7	-1.3
				MIN	1513	-1.08e+007	-422543.5	-61973.1	25752.8	679058.1	-1.9
					1503	-1.08e+007	-1972049.5	-79198.0	-11262.0	689778.5	-1.9
					1504	-2313562.8	-1972049.5	-220895.3	-8789.3	-1072254.3	-1.9
					1514	-2313562.8	-422543.5	-205598.5	21755.1	-1056073.1	-1.9
1503	3	1	env SL~1	MAX	1514	2313562.8	1972049.5	113112.4	36492.7	1058754.4	-1.3
					1504	2313562.8	422543.5	137410.2	8787.6	1072266.4	-1.3
					1004	1.08e+007	422543.5	223800.7	657.1	-776480.2	-1.3
					1012	1.08e+007	1972049.5	145698.1	31263.0	-762185.2	-1.3
				MIN	1514	-1.08e+007	-422543.5	-132716.9	27001.5	749515.7	-1.9
					1504	-1.08e+007	-1972049.5	-177368.0	-6202.2	760178.3	-1.9

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				1004	-2313562.8	-1972049.5	-88534.3	-13890.8	-1107699.7	-1.9
				1012	-2313562.8	-422543.5	-96616.0	23066.9	-1089681.4	-1.9
1504	3	1	env SL~1 MAX	1012	2313562.8	1972049.5	3351.4	35824.0	1095747.3	-1.3
				1004	2313562.8	422543.5	5057.4	13889.3	1107658.2	-1.3
				1505	1.08e+007	422543.5	318284.8	-5011.2	-738580.6	-1.3
				1515	1.08e+007	1972049.5	219478.5	31663.0	-723955.6	-1.3
			MIN	1012	-1.08e+007	-422543.5	-204279.5	26564.1	767039.4	-1.9
				1004	-1.08e+007	-1972049.5	-274069.9	-658.9	776440.6	-1.9
				1505	-2313562.8	-1972049.5	44401.3	-18483.4	-1064326.3	-1.9
				1515	-2313562.8	-422543.5	12579.2	22756.6	-1046088.6	-1.9
1505	3	1	env SL~1 MAX	1515	2313562.8	1972049.5	-103577.3	32917.6	1055314.1	-1.3
				1505	2313562.8	422543.5	-125833.0	18482.0	1064232.0	-1.3
				1506	1.08e+007	422543.5	409766.6	-10258.3	-579341.5	-1.3
				1516	1.08e+007	1972049.5	295244.4	30726.7	-561667.6	-1.3
			MIN	1515	-1.08e+007	-422543.5	-277027.1	24370.0	731398.8	-1.9
				1505	-1.08e+007	-1972049.5	-368570.0	5009.5	738501.2	-1.9
				1506	-2313562.8	-1972049.5	173513.3	-22360.4	-967728.7	-1.9
				1516	-2313562.8	-422543.5	121106.9	18720.3	-951773.5	-1.9
1506	3	1	env SL~1 MAX	1516	2313562.8	1972049.5	-188062.7	28535.8	960400.8	-1.3
				1506	2313562.8	422543.5	-237762.5	22359.2	967618.0	-1.3
				1005	1.08e+007	422543.5	497367.7	-14162.5	-309934.6	-1.3
				1013	1.08e+007	1972049.5	373463.4	27466.4	-297552.9	-1.3
			MIN	1516	-1.08e+007	-422543.5	-351344.4	18608.6	582542.9	-1.9
				1506	-1.08e+007	-1972049.5	-460072.7	10256.7	579096.9	-1.9
				1005	-2313562.8	-1972049.5	277003.3	-25305.3	-803201.6	-1.9
				1013	-2313562.8	-422543.5	208235.8	11709.5	-789311.9	-1.9
1507	3	1	env SL~1 MAX	1013	2313562.8	1972049.5	-263440.2	21381.3	800161.3	-1.3
				1005	2313562.8	422543.5	-327318.9	25304.4	803049.5	-1.3
				1507	1.08e+007	422543.5	580099.8	-16941.2	13747.7	-1.3
				1517	1.08e+007	1972049.5	454666.2	21862.9	19238.0	-1.3
			MIN	1013	-1.08e+007	-422543.5	-427651.1	8226.1	319501.2	-1.9
				1005	-1.08e+007	-1972049.5	-547701.0	14161.5	309669.8	-1.9
				1507	-2313562.8	-1972049.5	363691.1	-27079.0	-559792.3	-1.9
				1517	-2313562.8	-422543.5	286482.0	3258.7	-549644.9	-1.9
1508	3	1	env SL~1 MAX	1517	2313562.8	1972049.5	-340071.5	11150.5	561895.6	-1.3
				1507	2313562.8	422543.5	-414028.8	27078.2	559610.4	-1.3
				1508	1.08e+007	422543.5	656827.8	-18799.3	391454.2	-1.3
				1518	1.08e+007	1972049.5	539469.1	13790.1	388666.4	-1.3

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			MIN	1517	-1.08e+007	-422543.5	-506414.3	-4853.8	2470.8	-1.9
				1507	-1.08e+007	-1972049.5	-630468.6	16940.2	-14014.4	-1.9
				1508	-2313562.8	-1972049.5	446510.9	-27402.3	-238214.4	-1.9
				1518	-2313562.8	-422543.5	367003.3	-6898.5	-232967.0	-1.9
1509	3	1 env SL~1 MAX	1518	2313562.8	1972049.5	-418401.4	-2404.9	245592.2	-1.3	
			1508	2313562.8	422543.5	-496879.6	27402.7	238015.1	-1.3	
			1509	1.08e+007	422543.5	728352.2	-19437.9	822602.5	-1.3	
			1519	1.08e+007	1972049.5	637898.9	3005.1	810787.0	-1.3	
			MIN	1518	-1.08e+007	-422543.5	-601231.9	-20958.4	-368677.6	-1.9
				1508	-1.08e+007	-1972049.5	-707243.3	18798.7	-391701.3	-1.9
				1509	-2313562.8	-1972049.5	524323.9	-26076.1	159855.7	-1.9
				1519	-2313562.8	-422543.5	450371.0	-19231.0	160100.8	-1.9
1510	3	1 env SL~1 MAX	1519	2313562.8	1972049.5	-498884.5	-18590.1	-147197.5	-1.3	
			1509	2313562.8	422543.5	-574736.0	26073.4	-160050.2	-1.3	
			1510	1.08e+007	422543.5	831562.7	-18406.4	1305971.5	-1.3	
			1520	1.08e+007	1972049.5	764150.0	-11358.2	1285921.2	-1.3	
			MIN	1519	-1.08e+007	-422543.5	-718351.4	-40331.5	-794141.3	-1.9
				1509	-1.08e+007	-1972049.5	-812006.0	19435.3	-822806.3	-1.9
				1510	-2313562.8	-1972049.5	595821.3	-24755.8	615520.2	-1.9
				1520	-2313562.8	-422543.5	537213.1	-34662.2	609575.0	-1.9
1511	3	1 env SL~1 MAX	1520	2313562.8	1972049.5	-581970.3	-34775.5	-599236.7	-1.3	
			1510	2313562.8	422543.5	-646294.5	24755.4	-615676.3	-1.3	
			1006	1.08e+007	422543.5	923555.4	-13930.3	1839250.9	-1.3	
			1014	1.08e+007	1972049.5	896036.8	-28290.3	1814913.4	-1.3	
			MIN	1520	-1.08e+007	-422543.5	-838927.4	-62728.7	-1274338.3	-1.9
				1510	-1.08e+007	-1972049.5	-915309.5	18408.8	-1306107.6	-1.9
				1006	-2313562.8	-1972049.5	659567.5	-20635.1	1035309.4	-1.9
				1014	-2313562.8	-422543.5	628111.2	-54998.8	1023786.0	-1.9
1512	3	1 env SL~1 MAX	1014	2313562.8	1972049.5	-667509.1	-52595.1	-1018316.1	-1.3	
			1006	2313562.8	422543.5	-710131.1	20609.5	-1035394.3	-1.3	
			1007	1.08e+007	422543.5	1001748.2	2108.2	2417330.1	-1.3	
			1015	1.08e+007	1972049.5	1033762.2	-50450.6	2400254.1	-1.3	
			MIN	1014	-1.08e+007	-422543.5	-962698.8	-86321.5	-1810551.1	-1.9
				1006	-1.08e+007	-1972049.5	-1007456.2	13803.3	-1839313.0	-1.9
				1007	-2313562.8	-1972049.5	713800.1	-9775.3	1494846.8	-1.9
				1015	-2313562.8	-422543.5	723254.0	-86942.6	1486056.9	-1.9
1513	3	1 env SL~1 MAX	1015	2313562.8	1972049.5	-755711.4	-66858.2	-1485776.1	-1.3	

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				1007	2313562.8	422543.5	-764494.4	9718.9	-1494900.5	-1.3
				1008	1.08e+007	422543.5	1065594.2	63016.6	3039908.2	-1.3
				1016	1.08e+007	1972049.5	1174823.3	-86846.0	3039861.6	-1.3
			MIN	1015	-1.08e+007	-422543.5	-1088469.6	-100943.7	-2403870.2	-1.9
				1007	-1.08e+007	-1972049.5	-1086050.3	-2024.4	-2417346.2	-1.9
				1008	-2313562.8	-1972049.5	759229.6	21303.8	1998189.6	-1.9
				1016	-2313562.8	-422543.5	820390.1	-134492.5	2003606.0	-1.9
1514	3	1	env SL~1 MAX	1017	2313562.8	1972049.5	811625.8	22250.4	544995.0	-1.3
				1009	2313562.8	422543.5	811405.8	36434.1	584119.9	-1.3
				1010	1.08e+007	422543.5	-254751.2	30888.1	536203.2	-1.3
				1018	1.08e+007	1972049.5	-291199.4	22751.1	543072.5	-1.3
			MIN	1017	-1.08e+007	-422543.5	325129.3	-31239.1	-1068345.4	-1.9
				1009	-1.08e+007	-1972049.5	280235.1	-28428.8	-1058692.9	-1.9
				1010	-2313562.8	-1972049.5	-775845.7	-31806.2	-763347.0	-1.9
				1018	-2313562.8	-422543.5	-781830.5	-25216.3	-745024.7	-1.9
1515	3	1	env SL~1 MAX	1018	2313562.8	1972049.5	699247.9	32117.0	749681.8	-1.3
				1010	2313562.8	422543.5	687525.4	18601.0	770567.1	-1.3
				1011	1.08e+007	422543.5	-188737.4	12733.8	86390.4	-1.3
				1019	1.08e+007	1972049.5	-221127.6	27990.1	91974.2	-1.3
			MIN	1018	-1.08e+007	-422543.5	253295.3	-12622.3	-539918.5	-1.9
				1010	-1.08e+007	-1972049.5	215983.5	-33553.2	-530556.2	-1.9
				1011	-2313562.8	-1972049.5	-652277.2	-35430.8	-911283.3	-1.9
				1019	-2313562.8	-422543.5	-669140.8	-9026.3	-898565.9	-1.9
1516	3	1	env SL~1 MAX	1019	2313562.8	1972049.5	586393.4	39674.5	905569.6	-1.3
				1011	2313562.8	422543.5	567348.4	3888.2	915716.4	-1.3
				1511	1.08e+007	422543.5	-117813.3	-2937.3	-286438.1	-1.3
				1521	1.08e+007	1972049.5	-149711.9	32587.7	-283678.7	-1.3
			MIN	1019	-1.08e+007	-422543.5	179607.2	2930.2	-86559.8	-1.9
				1011	-1.08e+007	-1972049.5	147332.0	-34380.9	-79524.5	-1.9
				1511	-2313562.8	-1972049.5	-532272.2	-38560.6	-1014011.0	-1.9
				1521	-2313562.8	-422543.5	-556114.4	4736.0	-1003098.6	-1.9
1517	3	1	env SL~1 MAX	1521	2313562.8	1972049.5	473191.0	43984.8	1011201.8	-1.3
				1511	2313562.8	422543.5	451169.3	-8775.4	1015019.6	-1.3
				1512	1.08e+007	422543.5	-45990.7	-14802.8	-543472.9	-1.3
				1522	1.08e+007	1972049.5	-76780.4	35040.5	-539227.8	-1.3
			MIN	1521	-1.08e+007	-422543.5	105488.7	15736.3	289569.4	-1.9
				1511	-1.08e+007	-1972049.5	76696.3	-35040.5	293717.2	-1.9
				1512	-2313562.8	-1972049.5	-416229.1	-40382.3	-1068747.8	-1.9
				1522	-2313562.8	-422543.5	-442775.8	14799.3	-1057929.8	-1.9

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1518	3	1 env SL~1 MAX	1522	2313562.8	1972049.5	359517.2	45949.5	1066464.9	-1.3
			1512	2313562.8	422543.5	337944.1	-17543.2	1065562.6	-1.3
			1513	1.08e+007	422543.5	26592.0	-22835.1	-665252.1	-1.3
			1523	1.08e+007	1972049.5	-2868.2	35606.1	-661203.1	-1.3
		MIN	1522	-1.08e+007	-422543.5	30797.5	24926.2	544883.4	-1.9
			1512	-1.08e+007	-1972049.5	4892.6	-34367.4	546353.3	-1.9
			1513	-2313562.8	-1972049.5	-302862.9	-40776.0	-1073573.8	-1.9
			1523	-2313562.8	-422543.5	-329243.0	21180.0	-1062395.6	-1.9
1519	3	1 env SL~1 MAX	1523	2313562.8	1972049.5	245479.6	45616.5	1070873.1	-1.3
			1513	2313562.8	422543.5	226706.6	-21608.6	1066010.8	-1.3
			1514	1.08e+007	422543.5	99654.2	-25823.9	-735566.9	-1.3
			1524	1.08e+007	1972049.5	72028.9	34291.6	-731577.2	-1.3
		MIN	1523	-1.08e+007	-422543.5	-44495.2	28926.8	666848.9	-1.9
			1513	-1.08e+007	-1972049.5	-67774.0	-32368.9	665784.4	-1.9
			1514	-2313562.8	-1972049.5	-191381.5	-39699.7	-1043212.9	-1.9
			1524	-2313562.8	-422543.5	-215449.3	24099.7	-1039496.5	-1.9
1520	3	1 env SL~1 MAX	1524	2313562.8	1972049.5	131043.5	43096.0	1048087.2	-1.3
			1514	2313562.8	422543.5	116676.9	-22932.8	1040531.7	-1.3
			1012	1.08e+007	422543.5	173133.8	-27037.0	-754081.3	-1.3
			1020	1.08e+007	1972049.5	147968.1	34515.5	-750132.1	-1.3
		MIN	1524	-1.08e+007	-422543.5	-120510.7	30746.3	736867.5	-1.9
			1514	-1.08e+007	-1972049.5	-141177.3	-30885.8	733443.9	-1.9
			1012	-2313562.8	-1972049.5	-81131.6	-37039.1	-1082293.6	-1.9
			1020	-2313562.8	-422543.5	-101233.4	25220.2	-1079729.1	-1.9
1521	3	1 env SL~1 MAX	1020	2313562.8	1972049.5	16043.7	41238.5	1086971.7	-1.3
			1012	2313562.8	422543.5	7205.5	-22594.0	1076227.7	-1.3
			1515	1.08e+007	422543.5	247084.6	-26478.5	-720508.0	-1.3
			1525	1.08e+007	1972049.5	225054.3	35701.1	-716662.5	-1.3
		MIN	1020	-1.08e+007	-422543.5	-197406.6	30461.7	754806.9	-1.9
			1012	-1.08e+007	-1972049.5	-215318.4	-31357.1	749227.2	-1.9
			1515	-2313562.8	-1972049.5	28333.2	-35518.6	-1045266.3	-1.9
			1525	-2313562.8	-422543.5	13661.2	24497.4	-1043862.1	-1.9
1522	3	1 env SL~1 MAX	1525	2313562.8	1972049.5	-98303.8	38442.0	1049411.1	-1.3
			1515	2313562.8	422543.5	-100531.8	-18394.8	1036040.8	-1.3
			1516	1.08e+007	422543.5	321676.3	-24102.8	-577001.3	-1.3
			1526	1.08e+007	1972049.5	303399.5	34183.3	-566834.0	-1.3
		MIN	1525	-1.08e+007	-422543.5	-275359.9	28108.9	720535.0	-1.9

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				1515	-1.08e+007	-1972049.5	-290302.1	-30349.1	713064.7	-1.9
				1516	-2313562.8	-1972049.5	135457.9	-32339.8	-953577.8	-1.9
				1526	-2313562.8	-422543.5	128253.2	19032.0	-955854.6	-1.9
1523	3	1	env SL~1 MAX	1526	2313562.8	1972049.5	-188323.7	33783.1	956830.6	-1.3
				1516	2313562.8	422543.5	-191715.0	-10964.5	944950.5	-1.3
				1013	1.08e+007	422543.5	397207.7	-17986.8	-321561.9	-1.3
				1021	1.08e+007	1972049.5	383101.0	29852.7	-312676.7	-1.3
			MIN	1526	-1.08e+007	-422543.5	-354552.6	23011.1	572626.6	-1.9
				1516	-1.08e+007	-1972049.5	-366342.2	-26922.8	556126.0	-1.9
				1013	-2313562.8	-1972049.5	222577.0	-27813.2	-797466.7	-1.9
				1021	-2313562.8	-422543.5	216875.6	10119.2	-800254.1	-1.9
1524	3	1	env SL~1 MAX	1021	2313562.8	1972049.5	-268140.3	26233.8	799378.7	-1.3
				1013	2313562.8	422543.5	-268138.5	-1948.8	786617.3	-1.3
				1517	1.08e+007	422543.5	474142.1	-7303.1	-12882.4	-1.3
				1527	1.08e+007	1972049.5	464219.2	22602.0	-5629.7	-1.3
			MIN	1021	-1.08e+007	-422543.5	-435161.5	12323.9	317541.3	-1.9
				1013	-1.08e+007	-1972049.5	-443785.9	-21034.4	299613.6	-1.9
				1517	-2313562.8	-1972049.5	298633.1	-20479.3	-563976.7	-1.9
				1527	-2313562.8	-422543.5	297059.7	-730.0	-566900.6	-1.9
1525	3	1	env SL~1 MAX	1527	2313562.8	1972049.5	-348872.5	15871.0	564293.2	-1.3
				1517	2313562.8	422543.5	-345809.5	8898.2	551725.9	-1.3
				1518	1.08e+007	422543.5	553166.1	5909.0	349496.8	-1.3
				1528	1.08e+007	1972049.5	546758.7	12346.4	354816.7	-1.3
			MIN	1527	-1.08e+007	-422543.5	-517351.0	-238.6	9597.6	-1.9
				1517	-1.08e+007	-1972049.5	-523159.9	-12534.1	-8826.4	-1.9
				1518	-2313562.8	-1972049.5	375961.7	-10172.7	-252600.0	-1.9
				1528	-2313562.8	-422543.5	378134.2	-13489.3	-255047.6	-1.9
1526	3	1	env SL~1 MAX	1528	2313562.8	1972049.5	-430660.4	2802.2	250984.7	-1.3
				1518	2313562.8	422543.5	-425329.6	21947.9	239974.8	-1.3
				1519	1.08e+007	422543.5	642064.5	21832.6	766273.0	-1.3
				1529	1.08e+007	1972049.5	658379.3	-918.0	769303.4	-1.3
			MIN	1528	-1.08e+007	-422543.5	-626254.7	-14583.6	-351637.0	-1.9
				1518	-1.08e+007	-1972049.5	-608833.8	-1231.8	-369485.6	-1.9
				1519	-2313562.8	-1972049.5	455300.9	3194.2	137369.7	-1.9
				1529	-2313562.8	-422543.5	460103.0	-28033.7	136197.5	-1.9
1527	3	1	env SL~1 MAX	1529	2313562.8	1972049.5	-513636.9	-12374.4	-141265.0	-1.3
				1519	2313562.8	422543.5	-507553.4	37730.0	-149180.2	-1.3
				1520	1.08e+007	422543.5	763563.8	40419.4	1238597.9	-1.3

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			1530	1.08e+007	1972049.5	782383.6	-16300.8	1238654.0	-1.3
		MIN	1529	-1.08e+007	-422543.5	-750240.1	-30679.9	-766722.8	-1.9
			1519	-1.08e+007	-1972049.5	-730352.0	13220.8	-782918.7	-1.9
			1520	-2313562.8	-1972049.5	537670.1	18788.3	587127.0	-1.9
			1530	-2313562.8	-422543.5	542934.1	-44042.4	589978.1	-1.9
1528	3	1 env SL~1 MAX	1530	2313562.8	1972049.5	-597967.9	-26469.3	-592446.6	-1.3
			1520	2313562.8	422543.5	-593678.8	56971.6	-597465.3	-1.3
			1014	1.08e+007	422543.5	892480.2	61053.6	1768466.9	-1.3
			1022	1.08e+007	1972049.5	907802.7	-33145.8	1763885.3	-1.3
		MIN	1530	-1.08e+007	-422543.5	-876246.2	-48750.7	-1236391.1	-1.9
			1520	-1.08e+007	-1972049.5	-858681.4	29526.4	-1250180.8	-1.9
			1014	-2313562.8	-1972049.5	624417.4	33810.1	997999.9	-1.9
			1022	-2313562.8	-422543.5	626643.2	-60631.0	998373.5	-1.9
1529	3	1 env SL~1 MAX	1022	2313562.8	1972049.5	-683642.3	-42999.7	-999229.7	-1.3
			1014	2313562.8	422543.5	-685785.5	80266.7	-1003469.8	-1.3
			1015	1.08e+007	422543.5	1031449.0	78681.7	2358276.0	-1.3
			1023	1.08e+007	1972049.5	1035517.0	-47139.4	2347277.9	-1.3
		MIN	1022	-1.08e+007	-422543.5	-1004405.7	-70756.7	-1761772.1	-1.9
			1014	-1.08e+007	-1972049.5	-997205.0	47075.3	-1772829.2	-1.9
			1015	-2313562.8	-1972049.5	716915.7	48197.8	1462934.2	-1.9
			1023	-2313562.8	-422543.5	711926.0	-77546.3	1461548.2	-1.9
1530	3	1 env SL~1 MAX	1023	2313562.8	1972049.5	-772506.1	-65689.2	-1461825.1	-1.3
			1015	2313562.8	422543.5	-785224.3	104698.8	-1463215.0	-1.3
			1016	1.08e+007	422543.5	1182853.8	94817.9	3012420.1	-1.3
			1024	1.08e+007	1972049.5	1169655.3	-57066.8	2989782.5	-1.3
		MIN	1023	-1.08e+007	-422543.5	-1137535.9	-97774.5	-2345266.5	-1.9
			1015	-1.08e+007	-1972049.5	-1149617.9	69111.0	-2354660.0	-1.9
			1016	-2313562.8	-1972049.5	815759.6	56633.0	1987690.2	-1.9
			1024	-2313562.8	-422543.5	801384.8	-91468.0	1983191.0	-1.9
1531	3	1 env SL~1 MAX	1025	2313562.8	1972049.5	840413.4	19141.8	454913.3	-1.3
			1017	2313562.8	422543.5	823446.7	31243.2	480978.8	-1.3
			1018	1.08e+007	422543.5	-329417.2	23369.7	562910.5	-1.3
			1026	1.08e+007	1972049.5	-327128.8	21632.8	579629.0	-1.3
		MIN	1025	-1.08e+007	-422543.5	358855.5	-35017.7	-1118800.1	-1.9
			1017	-1.08e+007	-1972049.5	357104.4	-22240.5	-1098400.7	-1.9
			1018	-2313562.8	-1972049.5	-793191.6	-25820.0	-706699.3	-1.9
			1026	-2313562.8	-422543.5	-805313.2	-30547.1	-681312.3	-1.9

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1532	3	1	env SL~1	MAX	1026	2313562.8	1972049.5	727792.9	27091.5	681232.6	-1.3
					1018	2313562.8	422543.5	708583.6	14285.9	702042.3	-1.3
					1019	1.08e+007	422543.5	-239647.9	5954.9	102620.6	-1.3
					1027	1.08e+007	1972049.5	-249956.3	26840.8	116193.5	-1.3
				MIN	1026	-1.08e+007	-422543.5	282462.8	-13654.2	-577539.4	-1.9
					1018	-1.08e+007	-1972049.5	266555.3	-29048.1	-566064.5	-1.9
					1019	-2313562.8	-1972049.5	-677494.2	-34983.0	-874590.0	-1.9
					1027	-2313562.8	-422543.5	-693527.0	-14559.9	-850819.3	-1.9
1533	3	1	env SL~1	MAX	1027	2313562.8	1972049.5	613771.3	34798.6	853999.6	-1.3
					1019	2313562.8	422543.5	593050.8	2.6	867586.3	-1.3
					1521	1.08e+007	422543.5	-153062.8	-8775.3	-280832.7	-1.3
					1531	1.08e+007	1972049.5	-173586.9	30660.1	-271064.0	-1.3
				MIN	1027	-1.08e+007	-422543.5	205661.2	3154.8	-112759.8	-1.9
					1019	-1.08e+007	-1972049.5	180402.3	-32681.6	-108035.1	-1.9
					1521	-2313562.8	-1972049.5	-561122.7	-41316.8	-988790.8	-1.9
					1531	-2313562.8	-422543.5	-580344.1	-1105.7	-967571.1	-1.9
1534	3	1	env SL~1	MAX	1531	2313562.8	1972049.5	498378.9	40118.4	973352.8	-1.3
					1521	2313562.8	422543.5	476855.3	-11367.7	980687.6	-1.3
					1522	1.08e+007	422543.5	-68868.5	-19979.1	-536143.9	-1.3
					1532	1.08e+007	1972049.5	-96553.0	32722.4	-525266.8	-1.3
				MIN	1531	-1.08e+007	-422543.5	128315.3	16261.4	274689.5	-1.9
					1521	-1.08e+007	-1972049.5	96520.0	-35255.7	274942.1	-1.9
					1522	-2313562.8	-1972049.5	-444223.8	-44999.5	-1050553.9	-1.9
					1532	-2313562.8	-422543.5	-465655.1	9957.5	-1032041.7	-1.9
1535	3	1	env SL~1	MAX	1532	2313562.8	1972049.5	381697.1	43279.3	1039940.0	-1.3
					1522	2313562.8	422543.5	360291.7	-19665.2	1042018.8	-1.3
					1523	1.08e+007	422543.5	14019.8	-26857.9	-661601.1	-1.3
					1533	1.08e+007	1972049.5	-18948.2	33198.6	-652349.9	-1.3
				MIN	1532	-1.08e+007	-422543.5	50256.9	24635.6	530137.1	-1.9
					1522	-1.08e+007	-1972049.5	14085.4	-35990.4	530488.2	-1.9
					1523	-2313562.8	-1972049.5	-327007.2	-46265.5	-1060312.4	-1.9
					1533	-2313562.8	-422543.5	-349626.4	19043.4	-1044464.9	-1.9
1536	3	1	env SL~1	MAX	1533	2313562.8	1972049.5	263801.2	44172.1	1053961.8	-1.3
					1523	2313562.8	422543.5	243561.4	-23248.9	1051834.9	-1.3
					1524	1.08e+007	422543.5	96012.5	-30005.7	-734735.4	-1.3
					1534	1.08e+007	1972049.5	59285.5	32376.7	-727195.4	-1.3
				MIN	1533	-1.08e+007	-422543.5	-28461.7	29094.9	658123.5	-1.9
					1523	-1.08e+007	-1972049.5	-67422.4	-34957.1	655955.3	-1.9
					1524	-2313562.8	-1972049.5	-209714.8	-45265.2	-1051654.7	-1.9

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				1534	2313562.8	-422543.5	-232292.5	22630.9	-1044303.3	-1.9
1537	3	1	env SL~1 MAX	1534	2313562.8	1972049.5	144824.7	44434.9	1053786.9	-1.3
				1524	2313562.8	422543.5	126715.5	-24840.3	1043064.0	-1.3
				1020	1.08e+007	422543.5	177390.5	-31071.9	-755507.6	-1.3
				1028	1.08e+007	1972049.5	138118.3	36828.2	-749749.7	-1.3
			MIN	1534	-1.08e+007	-422543.5	-107798.2	31441.8	733610.6	-1.9
				1524	-1.08e+007	-1972049.5	-148296.7	-33063.7	729445.2	-1.9
				1020	-2313562.8	-1972049.5	-92395.6	-42083.3	-1095717.2	-1.9
				1028	-2313562.8	-422543.5	-113789.3	23915.5	-1091923.9	-1.9
1538	3	1	env SL~1 MAX	1028	2313562.8	1972049.5	24945.4	45150.3	1101443.3	-1.3
				1020	2313562.8	422543.5	9670.4	-24610.1	1088474.5	-1.3
				1525	1.08e+007	422543.5	258328.1	-30073.7	-723836.9	-1.3
				1535	1.08e+007	1972049.5	217514.6	38488.9	-719927.5	-1.3
			MIN	1028	-1.08e+007	-422543.5	-187710.8	31695.7	756549.3	-1.9
				1020	-1.08e+007	-1972049.5	-228718.0	-35038.2	750832.9	-1.9
				1525	-2313562.8	-1972049.5	25035.2	-40464.1	-1062422.7	-1.9
				1535	-2313562.8	-422543.5	5704.3	23407.2	-1061873.6	-1.9
1539	3	1	env SL~1 MAX	1535	2313562.8	1972049.5	-94280.4	42737.2	1071096.9	-1.3
				1525	2313562.8	422543.5	-105871.9	-20982.2	1056873.7	-1.3
				1526	1.08e+007	422543.5	338930.8	-27031.8	-579013.2	-1.3
				1536	1.08e+007	1972049.5	297435.7	37305.5	-573429.2	-1.3
			MIN	1535	-1.08e+007	-422543.5	-268164.2	29873.6	726860.8	-1.9
				1525	-1.08e+007	-1972049.5	-308788.5	-34362.5	719964.4	-1.9
				1526	-2313562.8	-1972049.5	141136.4	-37016.1	-972348.5	-1.9
				1536	-2313562.8	-422543.5	124964.3	18321.4	-978291.2	-1.9
1540	3	1	env SL~1 MAX	1536	2313562.8	1972049.5	-183752.2	38345.1	981745.1	-1.3
				1526	2313562.8	422543.5	-205090.6	-12653.1	971372.5	-1.3
				1021	1.08e+007	422543.5	419238.3	-19951.8	-327659.0	-1.3
				1029	1.08e+007	1972049.5	377850.1	33242.9	-324923.5	-1.3
			MIN	1536	-1.08e+007	-422543.5	-349130.7	25811.9	584930.9	-1.9
				1526	-1.08e+007	-1972049.5	-388543.8	-30950.2	573220.5	-1.9
				1021	-2313562.8	-1972049.5	235481.2	-31365.5	-816184.6	-1.9
				1029	-2313562.8	-422543.5	212775.5	10355.5	-823886.0	-1.9
1541	3	1	env SL~1 MAX	1029	2313562.8	1972049.5	-265189.4	31225.6	826660.4	-1.3
				1021	2313562.8	422543.5	-284982.5	-2491.3	817060.0	-1.3
				1527	1.08e+007	422543.5	499209.2	-8493.1	-23355.6	-1.3
				1537	1.08e+007	1972049.5	458743.5	26288.9	-23846.2	-1.3

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			MIN	1029	-1.08e+007	-422543.5	-430594.9	15890.2	335957.6	-1.9
				1021	-1.08e+007	-1972049.5	-467943.8	-24721.0	322794.3	-1.9
				1527	-2313562.8	-1972049.5	315675.7	-22851.0	-581525.6	-1.9
				1537	-2313562.8	-422543.5	293910.2	715.9	-590821.2	-1.9
1542	3	1 env SL~1 MAX	1537	2313562.8	1972049.5	-347009.4	21122.7	592842.6	-1.3	
			1527	2313562.8	422543.5	-364628.8	9461.7	584133.0	-1.3	
			1528	1.08e+007	422543.5	578683.7	4960.2	334220.1	-1.3	
			1538	1.08e+007	1972049.5	540135.6	16452.0	329897.6	-1.3	
			MIN	1537	-1.08e+007	-422543.5	-512562.0	3845.7	34027.4	-1.9
				1527	-1.08e+007	-1972049.5	-546843.4	-15621.9	19387.7	-1.9
				1528	-2313562.8	-1972049.5	395629.5	-11494.6	-267769.6	-1.9
				1538	-2313562.8	-422543.5	375422.6	-10572.1	-278720.7	-1.9
1543	3	1 env SL~1 MAX	1538	2313562.8	1972049.5	-429214.8	7998.0	279876.4	-1.3	
			1528	2313562.8	422543.5	-443869.3	23112.7	271832.5	-1.3	
			1529	1.08e+007	422543.5	677389.9	20408.8	745402.0	-1.3	
			1539	1.08e+007	1972049.5	660319.1	3750.5	736337.9	-1.3	
			MIN	1538	-1.08e+007	-422543.5	-630778.3	-10356.1	-320995.9	-1.9
				1528	-1.08e+007	-1972049.5	-641575.4	-3653.9	-337399.8	-1.9
				1529	-2313562.8	-1972049.5	475165.5	2457.2	125750.0	-1.9
				1539	-2313562.8	-422543.5	457332.5	-23488.0	112798.9	-1.9
1544	3	1 env SL~1 MAX	1539	2313562.8	1972049.5	-511830.4	-8210.9	-112729.7	-1.3	
			1529	2313562.8	422543.5	-522397.7	38304.8	-120682.4	-1.3	
			1530	1.08e+007	422543.5	796715.7	37920.9	1210491.1	-1.3	
			1540	1.08e+007	1972049.5	784881.6	-11219.0	1195418.2	-1.3	
			MIN	1539	-1.08e+007	-422543.5	-755462.9	-26767.2	-729226.5	-1.9
				1529	-1.08e+007	-1972049.5	-760779.2	10695.1	-747982.7	-1.9
				1530	-2313562.8	-1972049.5	553954.1	17965.1	577272.5	-1.9
				1540	-2313562.8	-422543.5	539687.8	-38034.9	565586.3	-1.9
1545	3	1 env SL~1 MAX	1540	2313562.8	1972049.5	-594952.0	-24529.3	-563825.3	-1.3	
			1530	2313562.8	422543.5	-599686.3	54872.2	-576445.4	-1.3	
			1022	1.08e+007	422543.5	915077.3	57942.3	1729774.6	-1.3	
			1030	1.08e+007	1972049.5	910007.4	-28785.4	1706904.8	-1.3	
			MIN	1540	-1.08e+007	-422543.5	-880792.8	-45356.1	-1190728.1	-1.9
				1530	-1.08e+007	-1972049.5	-878936.6	27218.6	-1212754.0	-1.9
				1022	-2313562.8	-1972049.5	631512.7	33068.1	981744.1	-1.9
				1030	-2313562.8	-422543.5	622539.5	-54073.4	965154.1	-1.9
1546	3	1 env SL~1 MAX	1030	2313562.8	1972049.5	-678865.3	-41159.9	-965772.7	-1.3	
			1022	2313562.8	422543.5	-675279.5	73445.3	-980887.9	-1.3	

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				1023	1.08e+007	422543.5	1031678.4	79552.4	2303420.8	-1.3
				1031	1.08e+007	1972049.5	1035458.9	-43087.3	2270774.3	-1.3
			MIN	1030	-1.08e+007	-422543.5	-1006621.2	-66771.4	-1705424.1	-1.9
				1022	-1.08e+007	-1972049.5	-995160.9	43077.5	-1731887.8	-1.9
				1023	-2313562.8	-1972049.5	707478.3	50158.5	1440715.4	-1.9
				1031	-2313562.8	-422543.5	706080.4	-70788.2	1417659.3	-1.9
1547	3	1	env SL~1 MAX	1031	2313562.8	1972049.5	-766763.7	-59541.9	-1420352.4	-1.3
				1023	2313562.8	422543.5	-747664.2	95202.1	-1440438.5	-1.3
				1024	1.08e+007	422543.5	1149965.3	108065.7	2934209.1	-1.3
				1032	1.08e+007	1972049.5	1159434.6	-50003.7	2884937.8	-1.3
			MIN	1031	-1.08e+007	-422543.5	-1137214.3	-89433.5	-2272596.9	-1.9
				1023	-1.08e+007	-1972049.5	-1106830.3	62670.0	-2305432.1	-1.9
				1024	-2313562.8	-1972049.5	784567.4	72834.5	1957443.1	-1.9
				1032	-2313562.8	-422543.5	789274.4	-82398.4	1920660.2	-1.9
1548	3	1	env SL~1 MAX	1033	2313562.8	1972049.5	904757.6	16495.8	380771.3	-1.3
				1025	2313562.8	422543.5	859778.8	35021.5	405941.7	-1.3
				1026	1.08e+007	422543.5	-336409.7	26387.5	610782.1	-1.3
				1034	1.08e+007	1972049.5	-337979.5	19120.4	636883.3	-1.3
			MIN	1033	-1.08e+007	-422543.5	369253.2	-37365.4	-1212809.3	-1.9
				1025	-1.08e+007	-1972049.5	364549.9	-19132.1	-1175845.4	-1.9
				1026	-2313562.8	-1972049.5	-830381.5	-22135.9	-635919.2	-1.9
				1034	-2313562.8	-422543.5	-868799.6	-34125.9	-614668.9	-1.9
1549	3	1	env SL~1 MAX	1034	2313562.8	1972049.5	780449.2	24758.4	615623.3	-1.3
				1026	2313562.8	422543.5	734745.0	19564.6	635998.9	-1.3
				1027	1.08e+007	422543.5	-252934.5	7053.9	130116.2	-1.3
				1035	1.08e+007	1972049.5	-262778.3	24542.2	141870.2	-1.3
			MIN	1034	-1.08e+007	-422543.5	294817.1	-15419.7	-630513.9	-1.9
				1026	-1.08e+007	-1972049.5	280309.6	-26588.4	-615334.9	-1.9
				1027	-2313562.8	-1972049.5	-702645.2	-31123.6	-816244.7	-1.9
				1035	-2313562.8	-422543.5	-747193.7	-14890.6	-794712.8	-1.9
1550	3	1	env SL~1 MAX	1035	2313562.8	1972049.5	653337.0	32655.2	798604.3	-1.3
				1027	2313562.8	422543.5	611241.8	5734.5	813064.4	-1.3
				1531	1.08e+007	422543.5	-168676.1	-8472.7	-264269.5	-1.3
				1541	1.08e+007	1972049.5	-187255.1	28615.3	-255745.2	-1.3
			MIN	1035	-1.08e+007	-422543.5	218881.4	2213.8	-138422.1	-1.9
				1027	-1.08e+007	-1972049.5	196463.6	-30515.8	-133549.9	-1.9
				1531	-2313562.8	-1972049.5	-578316.8	-37678.3	-943343.0	-1.9
				1541	-2313562.8	-422543.5	-621855.5	1728.9	-922393.2	-1.9

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1551	3	1 env SL~1 MAX	1541	2313562.8	1972049.5	524368.8	38088.5	928498.8	-1.3
			1531	2313562.8	422543.5	491525.2	-5799.8	937561.3	-1.3
			1532	1.08e+007	422543.5	-85168.3	-19827.7	-516962.2	-1.3
			1542	1.08e+007	1972049.5	-110842.7	30963.1	-504447.1	-1.3
		MIN	1541	-1.08e+007	-422543.5	142243.3	16024.9	258909.3	-1.9
			1531	-1.08e+007	-1972049.5	113181.6	-33100.1	260675.5	-1.9
			1532	-2313562.8	-1972049.5	-458921.1	-42061.0	-1017272.8	-1.9
			1542	-2313562.8	-422543.5	-494160.2	13363.5	-997495.5	-1.9
1552	3	1 env SL~1 MAX	1542	2313562.8	1972049.5	394375.5	41389.2	1005425.7	-1.3
			1532	2313562.8	422543.5	372961.9	-15580.6	1009374.5	-1.3
			1533	1.08e+007	422543.5	-2407.1	-26646.4	-649284.4	-1.3
			1543	1.08e+007	1972049.5	-33692.5	31682.4	-638035.9	-1.3
		MIN	1542	-1.08e+007	-422543.5	64815.1	23859.5	510149.5	-1.9
			1532	-1.08e+007	-1972049.5	30698.4	-33940.7	512091.9	-1.9
			1533	-2313562.8	-1972049.5	-340060.7	-44237.6	-1038106.1	-1.9
			1543	-2313562.8	-422543.5	-364984.5	18417.8	-1020049.0	-1.9
1553	3	1 env SL~1 MAX	1543	2313562.8	1972049.5	271445.9	44247.4	1029337.6	-1.3
			1533	2313562.8	422543.5	254472.6	-22003.2	1028609.3	-1.3
			1534	1.08e+007	422543.5	79522.7	-30317.1	-728833.8	-1.3
			1544	1.08e+007	1972049.5	44206.9	34866.4	-719089.5	-1.3
		MIN	1543	-1.08e+007	-422543.5	-13366.7	28687.7	644594.3	-1.9
			1533	-1.08e+007	-1972049.5	-50949.0	-33133.1	643510.8	-1.9
			1534	-2313562.8	-1972049.5	-221365.7	-44205.7	-1061889.2	-1.9
			1544	-2313562.8	-422543.5	-239197.5	21725.9	-1061255.4	-1.9
1554	3	1 env SL~1 MAX	1544	2313562.8	1972049.5	151093.9	47391.9	1071606.5	-1.3
			1534	2313562.8	422543.5	135933.4	-23755.5	1052251.0	-1.3
			1028	1.08e+007	422543.5	160646.7	-31881.8	-755590.0	-1.3
			1036	1.08e+007	1972049.5	122837.5	39621.9	-747583.3	-1.3
		MIN	1544	-1.08e+007	-422543.5	-92294.3	31410.9	726191.2	-1.9
			1534	-1.08e+007	-1972049.5	-131776.0	-35684.9	722418.6	-1.9
			1028	-2313562.8	-1972049.5	-102695.1	-44845.8	-1108788.3	-1.9
			1036	-2313562.8	-422543.5	-118976.8	23288.5	-1109545.2	-1.9
1555	3	1 env SL~1 MAX	1036	2313562.8	1972049.5	30355.3	47331.5	1118809.7	-1.3
			1028	2313562.8	422543.5	17343.0	-23729.4	1099855.1	-1.3
			1535	1.08e+007	422543.5	240999.6	-31355.8	-729516.4	-1.3
			1545	1.08e+007	1972049.5	202177.6	41154.6	-723483.9	-1.3
		MIN	1036	-1.08e+007	-422543.5	-171943.1	32029.3	754920.2	-1.9
			1028	-1.08e+007	-1972049.5	-211820.2	-38172.3	748790.3	-1.9

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				1535	-2313562.8	-1972049.5	15969.3	-44435.4	-1081631.3	-1.9	
				1545	-2313562.8	-422543.5	1687.6	23104.8	-1077099.3	-1.9	
1556	3	1	env SL~1	MAX	1545	2313562.8	1972049.5	-88099.9	45271.7	1085375.2	-1.3
					1535	2313562.8	422543.5	-99986.7	-20630.2	1072407.9	-1.3
					1536	1.08e+007	422543.5	320614.8	-28752.6	-591829.2	-1.3
					1546	1.08e+007	1972049.5	282189.9	39656.1	-584716.4	-1.3
				MIN	1545	-1.08e+007	-422543.5	-252274.8	30545.9	730752.0	-1.9
					1535	-1.08e+007	-1972049.5	-291116.0	-37847.1	722583.1	-1.9
					1536	-2313562.8	-1972049.5	133228.1	-40988.5	-995032.8	-1.9
					1546	-2313562.8	-422543.5	120241.6	18244.6	-996704.1	-1.9
1557	3	1	env SL~1	MAX	1546	2313562.8	1972049.5	-171690.5	40241.3	999505.3	-1.3
					1536	2313562.8	422543.5	-195311.9	-13083.8	991578.8	-1.3
					1029	1.08e+007	422543.5	399516.4	-22400.5	-347917.6	-1.3
					1037	1.08e+007	1972049.5	362813.1	35342.3	-344365.8	-1.3
				MIN	1546	-1.08e+007	-422543.5	-333229.9	25072.7	594624.9	-1.9
					1536	-1.08e+007	-1972049.5	-369685.7	-34662.1	580327.5	-1.9
					1029	-2313562.8	-1972049.5	225583.9	-35885.5	-841111.6	-1.9
					1037	-2313562.8	-422543.5	200832.3	10858.1	-844096.5	-1.9
1558	3	1	env SL~1	MAX	1037	2313562.8	1972049.5	-253007.3	32078.8	846217.9	-1.3
					1029	2313562.8	422543.5	-273935.9	-3845.2	838337.3	-1.3
					1537	1.08e+007	422543.5	477721.0	-11649.7	-51082.2	-1.3
					1547	1.08e+007	1972049.5	443945.3	28291.7	-51363.5	-1.3
				MIN	1037	-1.08e+007	-422543.5	-414714.8	15337.0	353206.0	-1.9
					1029	-1.08e+007	-1972049.5	-447537.6	-28583.0	336883.5	-1.9
					1537	-2313562.8	-1972049.5	304482.8	-27826.9	-608256.8	-1.9
					1547	-2313562.8	-422543.5	281874.2	1876.5	-612649.3	-1.9
1559	3	1	env SL~1	MAX	1547	2313562.8	1972049.5	-334741.1	22137.8	613892.6	-1.3
					1537	2313562.8	422543.5	-352149.6	7088.1	606235.4	-1.3
					1538	1.08e+007	422543.5	555242.2	1208.4	298593.6	-1.3
					1548	1.08e+007	1972049.5	525419.2	18545.0	294237.0	-1.3
				MIN	1547	-1.08e+007	-422543.5	-496579.1	3532.7	58662.1	-1.9
					1537	-1.08e+007	-1972049.5	-524668.4	-19584.7	40900.9	-1.9
					1538	-2313562.8	-1972049.5	382971.2	-16798.9	-296487.9	-1.9
					1548	-2313562.8	-422543.5	363333.4	-8702.5	-302542.1	-1.9
1560	3	1	env SL~1	MAX	1548	2313562.8	1972049.5	-416829.3	9391.2	302708.4	-1.3
					1538	2313562.8	422543.5	-429944.9	19719.8	295332.1	-1.3
					1539	1.08e+007	422543.5	665609.6	16209.0	700914.7	-1.3
					1549	1.08e+007	1972049.5	644787.5	6122.7	692244.7	-1.3

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			MIN	1548	-1.08e+007	-422543.5	-615033.4	-10260.3	-288914.6	-1.9	
				1538	-1.08e+007	-1972049.5	-630656.2	-7651.2	-307495.3	-1.9	
				1539	-2313562.8	-1972049.5	461042.4	-2755.9	94121.8	-1.9	
				1549	-2313562.8	-422543.5	445145.8	-20903.4	85892.5	-1.9	
1561	3	1	env SL~1	MAX	1549	2313562.8	1972049.5	-499156.8	-6164.1	-86968.3	-1.3
					1539	2313562.8	422543.5	-507310.5	34046.2	-94191.0	-1.3
					1540	1.08e+007	422543.5	783314.2	33420.7	1155510.3	-1.3
					1550	1.08e+007	1972049.5	767034.6	-8615.7	1142199.2	-1.3
			MIN	1549	-1.08e+007	-422543.5	-736990.1	-25940.7	-689250.5	-1.9	
				1539	-1.08e+007	-1972049.5	-748003.4	6831.8	-708026.1	-1.9	
				1540	-2313562.8	-1972049.5	538685.0	14113.1	538467.3	-1.9	
				1550	-2313562.8	-422543.5	527196.2	-34805.7	527146.9	-1.9	
1562	3	1	env SL~1	MAX	1550	2313562.8	1972049.5	-581532.0	-21934.6	-526268.5	-1.3
					1540	2313562.8	422543.5	-584186.8	49970.3	-540228.3	-1.3
					1030	1.08e+007	422543.5	900371.7	53175.4	1661778.9	-1.3
					1038	1.08e+007	1972049.5	889187.6	-25587.7	1643076.7	-1.3
			MIN	1550	-1.08e+007	-422543.5	-859573.7	-43302.4	-1141722.8	-1.9	
				1540	-1.08e+007	-1972049.5	-864630.3	23904.4	-1160200.4	-1.9	
				1030	-2313562.8	-1972049.5	615863.0	30530.8	934714.1	-1.9	
				1038	-2313562.8	-422543.5	609269.7	-50619.6	919357.2	-1.9	
1563	3	1	env SL~1	MAX	1038	2313562.8	1972049.5	-663685.5	-37591.5	-920038.6	-1.3
					1030	2313562.8	422543.5	-660303.1	67669.4	-934095.5	-1.3
					1031	1.08e+007	422543.5	1016058.6	76043.3	2218903.5	-1.3
					1039	1.08e+007	1972049.5	1011004.3	-41575.3	2192604.0	-1.3
			MIN	1038	-1.08e+007	-422543.5	-981457.4	-62183.0	-1644924.9	-1.9	
				1030	-1.08e+007	-1972049.5	-980250.1	39919.1	-1663259.6	-1.9	
				1031	-2313562.8	-1972049.5	692537.6	48365.1	1383204.8	-1.9	
				1039	-2313562.8	-422543.5	690864.9	-68186.1	1362775.8	-1.9	
1564	3	1	env SL~1	MAX	1039	2313562.8	1972049.5	-746310.6	-50454.5	-1364793.9	-1.3
					1031	2313562.8	422543.5	-732620.3	84178.4	-1380511.6	-1.3
					1032	1.08e+007	422543.5	1130216.8	113403.7	2826414.9	-1.3
					1040	1.08e+007	1972049.5	1129073.7	-58292.5	2786320.6	-1.3
			MIN	1039	-1.08e+007	-422543.5	-1104228.7	-78043.2	-2196624.3	-1.9	
				1031	-1.08e+007	-1972049.5	-1089706.6	54264.1	-2217080.9	-1.9	
				1032	-2313562.8	-1972049.5	768825.2	77922.7	1884883.6	-1.9	
				1040	-2313562.8	-422543.5	769519.6	-91659.4	1854348.0	-1.9	
1565	3	1	env SL~1	MAX	1041	2954923.4	1972049.5	1247596.1	12202.1	370829.2	-1.3

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				1033	2954923.4	422543.5	1206232.8	37369.2	413932.3	-1.3	
				1034	1.38e+007	422543.5	-450637.7	28613.7	857414.9	-1.3	
				1042	1.38e+007	1972049.5	-455904.5	14957.9	885376.5	-1.3	
			MIN	1041	-1.38e+007	-422543.5	495801.1	-39922.7	-1687817.1	-1.9	
				1033	-1.38e+007	-1972049.5	486625.6	-16486.0	-1644117.5	-1.9	
				1034	-2954923.4	-1972049.5	-1166365.2	-19678.5	-722063.5	-1.9	
				1042	-2954923.4	-422543.5	-1203990.7	-33474.8	-684946.6	-1.9	
1566	3	1	env SL~1	MAX	1042	2954923.4	1972049.5	1062860.3	21318.6	686132.6	-1.3
					1034	2954923.4	422543.5	1023845.3	19771.4	721109.1	-1.3
					1035	1.38e+007	422543.5	-343399.6	8946.9	197860.6	-1.3
					1043	1.38e+007	1972049.5	-358639.1	20931.2	209596.1	-1.3
			MIN	1042	-1.38e+007	-422543.5	398856.0	-18245.3	-885640.8	-1.9	
				1034	-1.38e+007	-1972049.5	379067.1	-24200.4	-863784.3	-1.9	
				1035	-2954923.4	-1972049.5	-982641.5	-28529.5	-964714.0	-1.9	
				1043	-2954923.4	-422543.5	-1020591.2	-12026.4	-930044.5	-1.9	
1567	3	1	env SL~1	MAX	1043	2954923.4	1972049.5	880726.9	29503.8	934314.2	-1.3
					1035	2954923.4	422543.5	845636.0	3064.5	960822.6	-1.3
					1541	1.38e+007	422543.5	-236477.6	-7147.2	-313917.5	-1.3
					1551	1.38e+007	1972049.5	-261345.1	25627.2	-301919.6	-1.3
			MIN	1043	-1.38e+007	-422543.5	301143.6	-912.9	-209198.3	-1.9	
				1035	-1.38e+007	-1972049.5	272563.5	-28667.8	-201251.8	-1.9	
				1541	-2954923.4	-1972049.5	-803411.5	-35015.8	-1139816.6	-1.9	
				1551	-2954923.4	-422543.5	-839478.5	2943.1	-1108294.7	-1.9	
1568	3	1	env SL~1	MAX	1551	2954923.4	1972049.5	699720.0	35285.0	1115032.8	-1.3
					1541	2954923.4	422543.5	670036.2	-11360.4	1133711.0	-1.3
					1542	1.38e+007	422543.5	-130384.9	-19503.6	-629060.3	-1.3
					1552	1.38e+007	1972049.5	-162976.7	28549.2	-611508.0	-1.3
			MIN	1551	-1.38e+007	-422543.5	202489.8	13301.3	303946.5	-1.9	
				1541	-1.38e+007	-1972049.5	166756.3	-31688.0	310753.5	-1.9	
				1542	-2954923.4	-1972049.5	-627113.8	-39383.6	-1247496.4	-1.9	
				1552	-2954923.4	-422543.5	-659169.4	12270.9	-1219518.2	-1.9	
1569	3	1	env SL~1	MAX	1552	2954923.4	1972049.5	519195.9	39455.6	1228269.8	-1.3
					1542	2954923.4	422543.5	496036.4	-17719.4	1239566.2	-1.3
					1543	1.38e+007	422543.5	-25014.7	-25528.2	-807049.9	-1.3
					1553	1.38e+007	1972049.5	-63712.5	34387.1	-792167.0	-1.3
			MIN	1552	-1.38e+007	-422543.5	102932.3	21819.6	616760.8	-1.9	
				1542	-1.38e+007	-1972049.5	61679.4	-32968.7	623358.0	-1.9	
				1543	-2954923.4	-1972049.5	-452710.9	-41595.0	-1287618.8	-1.9	
				1553	-2954923.4	-422543.5	-479048.4	17878.6	-1263670.0	-1.9	

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1570	3	1	env	SL~1	MAX	1553	2954923.4	1972049.5	349910.9	47491.0	1273971.6	-1.3
						1543	2954923.4	422543.5	336015.5	-21577.3	1278330.2	-1.3
						1544	1.38e+007	422543.5	79595.4	-29471.1	-917487.4	-1.3
						1554	1.38e+007	1972049.5	36484.9	39818.8	-905539.9	-1.3
					MIN	1553	-1.38e+007	-422543.5	2463.4	26987.1	798282.2	-1.9
						1543	-1.38e+007	-1972049.5	-42659.1	-32580.3	800491.4	-1.9
						1544	-2954923.4	-1972049.5	-295399.0	-44322.8	-1382939.8	-1.9
						1554	-2954923.4	-422543.5	-307054.4	21695.9	-1376398.2	-1.9
1571	3	1	env	SL~1	MAX	1554	2954923.4	1972049.5	197240.0	51649.7	1386883.5	-1.3
						1544	2954923.4	422543.5	181709.3	-23665.8	1372588.8	-1.3
						1036	1.38e+007	422543.5	183425.5	-31332.3	-960377.7	-1.3
						1044	1.38e+007	1972049.5	137635.7	42330.2	-951657.8	-1.3
					MIN	1554	-1.38e+007	-422543.5	-98935.7	30088.2	912242.4	-1.9
						1544	-1.38e+007	-1972049.5	-146241.0	-38345.9	910385.7	-1.9
						1036	-2954923.4	-1972049.5	-141146.5	-46331.6	-1446663.2	-1.9
						1044	-2954923.4	-422543.5	-154329.9	23720.3	-1442770.3	-1.9
1572	3	1	env	SL~1	MAX	1044	2954923.4	1972049.5	44682.7	52270.8	1454030.9	-1.3
						1036	2954923.4	422543.5	27909.5	-23985.5	1437398.7	-1.3
						1545	1.38e+007	422543.5	286450.8	-31112.9	-935722.8	-1.3
						1555	1.38e+007	1972049.5	239791.1	42020.6	-930547.8	-1.3
					MIN	1044	-1.38e+007	-422543.5	-201304.5	31117.2	958673.8	-1.9
						1036	-1.38e+007	-1972049.5	-249052.9	-41028.6	953040.8	-1.9
						1545	-2954923.4	-1972049.5	12619.2	-45970.2	-1406021.0	-1.9
						1555	-2954923.4	-422543.5	-1738.4	22965.2	-1405075.7	-1.9
1573	3	1	env	SL~1	MAX	1555	2954923.4	1972049.5	-102612.1	50104.7	1416570.3	-1.3
						1545	2954923.4	422543.5	-121855.5	-21464.7	1397811.1	-1.3
						1546	1.38e+007	422543.5	388647.4	-28812.6	-771281.3	-1.3
						1556	1.38e+007	1972049.5	343035.3	39286.6	-768752.1	-1.3
					MIN	1555	-1.38e+007	-422543.5	-304711.5	30065.4	937603.0	-1.9
						1545	-1.38e+007	-1972049.5	-351086.6	-40617.3	928454.8	-1.9
						1546	-2954923.4	-1972049.5	162774.2	-42937.4	-1288858.4	-1.9
						1556	-2954923.4	-422543.5	140318.7	17158.6	-1296651.8	-1.9
1574	3	1	env	SL~1	MAX	1556	2954923.4	1972049.5	-205938.7	44820.4	1302242.2	-1.3
						1546	2954923.4	422543.5	-234600.2	-14504.6	1288331.3	-1.3
						1037	1.38e+007	422543.5	489990.5	-20238.3	-472671.6	-1.3
						1045	1.38e+007	1972049.5	447502.6	33868.4	-476853.5	-1.3
					MIN	1556	-1.38e+007	-422543.5	-409268.2	23850.8	780797.7	-1.9

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				1546	-1.38e+007	-1972049.5	-452340.5	-37304.7	761372.8	-1.9
				1037	-2954923.4	-1972049.5	273007.9	-36769.7	-1092397.3	-1.9
				1045	-2954923.4	-422543.5	243415.5	9545.8	-1097922.5	-1.9
1575	3	1	env SL~1 MAX	1045	2954923.4	1972049.5	-309913.4	36440.7	1102995.7	-1.3
				1037	2954923.4	422543.5	-335566.0	-5956.8	1090275.9	-1.3
				1547	1.38e+007	422543.5	590454.8	-9565.3	-106064.9	-1.3
				1557	1.38e+007	1972049.5	553403.9	25744.1	-117389.1	-1.3
			MIN	1045	-1.38e+007	-422543.5	-515152.5	13997.5	488226.3	-1.9
				1037	-1.38e+007	-1972049.5	-552821.7	-31211.4	463831.5	-1.9
				1547	-2954923.4	-1972049.5	374182.9	-28079.9	-800219.8	-1.9
				1557	-2954923.4	-422543.5	347181.0	100.2	-805535.9	-1.9
1576	3	1	env SL~1 MAX	1557	2954923.4	1972049.5	-414656.7	24937.2	810311.1	-1.3
				1547	2954923.4	422543.5	-436049.1	4156.1	798976.5	-1.3
				1548	1.38e+007	422543.5	690019.7	3131.1	328689.9	-1.3
				1558	1.38e+007	1972049.5	661068.3	14877.6	310046.8	-1.3
			MIN	1557	-1.38e+007	-422543.5	-622649.4	1716.9	127628.3	-1.9
				1547	-1.38e+007	-1972049.5	-652554.1	-22414.6	98766.3	-1.9
				1548	-2954923.4	-1972049.5	474845.1	-17086.8	-407728.9	-1.9
				1558	-2954923.4	-422543.5	451745.2	-11200.3	-417707.8	-1.9
1577	3	1	env SL~1 MAX	1558	2954923.4	1972049.5	-520364.9	10238.5	421838.3	-1.3
				1548	2954923.4	422543.5	-536082.3	15831.7	407562.6	-1.3
				1549	1.38e+007	422543.5	831377.5	17713.0	831790.1	-1.3
				1559	1.38e+007	1972049.5	809272.8	1242.9	806231.9	-1.3
			MIN	1558	-1.38e+007	-422543.5	-769962.3	-13107.8	-301441.8	-1.9
				1548	-1.38e+007	-1972049.5	-788300.8	-10955.4	-334012.3	-1.9
				1549	-2954923.4	-1972049.5	575017.9	-3236.1	84906.3	-1.9
				1559	-2954923.4	-422543.5	557313.8	-24356.3	70313.8	-1.9
1578	3	1	env SL~1 MAX	1559	2954923.4	1972049.5	-627354.9	-7162.1	-67307.3	-1.3
				1549	2954923.4	422543.5	-635739.9	29131.1	-83830.5	-1.3
				1550	1.38e+007	422543.5	978974.6	33926.1	1403480.1	-1.3
				1560	1.38e+007	1972049.5	964148.4	-12311.5	1372656.8	-1.3
			MIN	1559	-1.38e+007	-422543.5	-924752.2	-30633.9	-799860.1	-1.9
				1549	-1.38e+007	-1972049.5	-935601.6	2981.0	-834784.4	-1.9
				1550	-2954923.4	-1972049.5	674772.3	13064.0	632367.6	-1.9
				1560	-2954923.4	-422543.5	664206.9	-39305.8	610363.9	-1.9
1579	3	1	env SL~1 MAX	1560	2954923.4	1972049.5	-736078.7	-21194.7	-609886.0	-1.3
				1550	2954923.4	422543.5	-735169.6	44182.0	-633246.1	-1.3
				1038	1.38e+007	422543.5	1125380.2	51385.5	2044004.7	-1.3

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				1046	1.38e+007	1972049.5	1122077.0	-24412.9	2012137.7	-1.3	
			MIN	1560	-1.38e+007	-422543.5	-1082521.6	-50992.9	-1369345.5	-1.9	
				1550	-1.38e+007	-1972049.5	-1081782.0	19096.3	-1403956.6	-1.9	
				1038	-2954923.4	-1972049.5	774258.6	27474.2	1131347.1	-1.9	
				1046	-2954923.4	-422543.5	772874.2	-55962.7	1106075.2	-1.9	
1580	3	1	env SL~1	MAX	1046	2954923.4	1972049.5	-847192.5	-37203.9	-1108798.1	-1.3
					1038	2954923.4	422543.5	-834575.9	61417.1	-1130665.8	-1.3
					1039	1.38e+007	422543.5	1271074.0	69780.8	2753618.5	-1.3
					1047	1.38e+007	1972049.5	1284328.6	-38324.3	2729966.1	-1.3
			MIN	1046	-1.38e+007	-422543.5	-1244346.0	-74159.5	-2013230.8	-1.9	
				1038	-1.38e+007	-1972049.5	-1227546.3	37452.1	-2042156.5	-1.9	
				1039	-2954923.4	-1972049.5	873734.8	43681.5	1698813.2	-1.9	
				1047	-2954923.4	-422543.5	883918.1	-73872.6	1673636.5	-1.9	
1581	3	1	env SL~1	MAX	1047	2954923.4	1972049.5	-956986.9	-51483.0	-1681670.2	-1.3
					1039	2954923.4	422543.5	-933022.1	79667.3	-1696795.1	-1.3
					1040	1.38e+007	422543.5	1416086.6	89374.9	3529128.3	-1.3
					1048	1.38e+007	1972049.5	1450425.4	-62373.7	3534984.3	-1.3
			MIN	1047	-1.38e+007	-422543.5	-1411077.4	-97351.9	-2738405.6	-1.9	
				1039	-1.38e+007	-1972049.5	-1371549.1	48348.3	-2749598.2	-1.9	
				1040	-2954923.4	-1972049.5	970906.6	65242.3	2332717.2	-1.9	
				1048	-2954923.4	-422543.5	994986.9	-101778.7	2315927.8	-1.9	
1582	3	1	env SL~1	MAX	1049	1672202.1	1972049.5	696933.3	9994.5	157853.3	-1.3
					1041	1672202.1	422543.5	714746.9	39926.1	172400.3	-1.3
					1042	7804321.7	422543.5	-268108.9	34228.4	518479.4	-1.3
					1050	7804321.7	1972049.5	-268311.6	12254.4	518900.8	-1.3
			MIN	1049	-7804321.7	-422543.5	292125.2	-41261.8	-975059.7	-2.0	
				1041	-7804321.7	-1972049.5	287238.6	-12192.3	-976808.0	-2.0	
				1042	-1672202.1	-1972049.5	-690650.4	-16162.6	-355406.6	-2.0	
				1050	-1672202.1	-422543.5	-673792.2	-31647.2	-342399.5	-2.0	
1583	3	1	env SL~1	MAX	1050	1672202.1	1972049.5	596223.8	19390.2	343686.6	-1.3
					1042	1672202.1	422543.5	605350.9	17461.7	354220.6	-1.3
					1043	7804321.7	422543.5	-206249.8	11673.1	130255.0	-1.3
					1051	7804321.7	1972049.5	-214172.9	18228.8	134921.8	-1.3
			MIN	1050	-7804321.7	-422543.5	238974.6	-22422.0	-523026.7	-2.0	
				1042	-7804321.7	-1972049.5	224391.4	-20113.9	-518215.1	-2.0	
				1043	-1672202.1	-1972049.5	-584525.9	-26187.5	-501562.6	-2.0	
				1051	-1672202.1	-422543.5	-569811.2	-13279.6	-487475.0	-2.0	

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1584	3	1	env SL~1	MAX	1051	1672202.1	1972049.5	496874.6	28686.9	491770.9	-1.3
					1043	1672202.1	422543.5	497952.1	1656.7	497292.9	-1.3
					1551	7804321.7	422543.5	-144012.1	-4899.5	-163192.6	-1.3
					1561	7804321.7	1972049.5	-160537.1	22797.6	-157591.2	-1.3
				MIN	1051	-7804321.7	-422543.5	184513.3	-3069.1	-137976.1	-2.0
					1043	-7804321.7	-1972049.5	162979.2	-24247.5	-131206.7	-2.0
					1551	-1672202.1	-1972049.5	-478297.0	-33767.0	-609360.3	-2.0
					1561	-1672202.1	-422543.5	-469292.1	1397.6	-594493.7	-2.0
1585	3	1	env SL~1	MAX	1561	1672202.1	1972049.5	398527.1	35373.4	601262.6	-1.3
					1551	1672202.1	422543.5	391617.5	-9715.6	602622.3	-1.3
					1552	7804321.7	422543.5	-82603.7	-18038.1	-339467.3	-1.3
					1562	7804321.7	1972049.5	-106068.9	25728.8	-331086.4	-1.3
				MIN	1561	-7804321.7	-422543.5	129514.5	11906.7	159541.1	-2.0
					1551	-7804321.7	-1972049.5	102101.4	-27145.3	161165.7	-2.0
					1552	-1672202.1	-1972049.5	-372649.6	-39103.6	-678783.8	-2.0
					1562	-1672202.1	-422543.5	-370257.4	10758.2	-663549.0	-2.0
1586	3	1	env SL~1	MAX	1562	1672202.1	1972049.5	300514.8	39883.4	672355.9	-1.3
					1552	1672202.1	422543.5	286185.0	-15599.3	670032.3	-1.3
					1553	7804321.7	422543.5	-21791.0	-25108.2	-445447.6	-1.3
					1563	7804321.7	1972049.5	-51026.2	27116.6	-437214.6	-1.3
				MIN	1562	-7804321.7	-422543.5	73878.3	21637.6	335569.9	-2.0
					1552	-7804321.7	-1972049.5	41882.2	-31608.2	334214.5	-2.0
					1553	-1672202.1	-1972049.5	-267324.5	-44694.2	-709855.9	-2.0
					1563	-1672202.1	-422543.5	-272137.6	16468.4	-694652.0	-2.0
1587	3	1	env SL~1	MAX	1563	1672202.1	1972049.5	203227.8	42162.8	705061.9	-1.3
					1553	1672202.1	422543.5	190316.7	-19757.4	699554.3	-1.3
					1554	7804321.7	422543.5	38424.8	-29611.2	-513106.2	-1.3
					1564	7804321.7	1972049.5	4608.4	32898.1	-505274.7	-1.3
				MIN	1563	-7804321.7	-422543.5	17636.0	27194.7	442482.5	-2.0
					1553	-7804321.7	-1972049.5	-17725.9	-37675.0	439332.4	-2.0
					1554	-1672202.1	-1972049.5	-168011.8	-51874.7	-782340.1	-2.0
					1564	-1672202.1	-422543.5	-178295.1	20440.4	-765790.4	-2.0
1588	3	1	env SL~1	MAX	1564	1672202.1	1972049.5	118372.5	48455.4	774962.7	-1.3
					1554	1672202.1	422543.5	103252.1	-22172.9	771854.8	-1.3
					1044	7804321.7	422543.5	98085.2	-31998.2	-542488.2	-1.3
					1052	7804321.7	1972049.5	60806.0	36287.9	-535318.7	-1.3
				MIN	1564	-7804321.7	-422543.5	-39207.9	30660.5	511072.3	-2.0
					1554	-7804321.7	-1972049.5	-76740.0	-40735.0	506403.7	-2.0
					1044	-1672202.1	-1972049.5	-80609.6	-55020.8	-824545.1	-2.0

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			1052	-1672202.1	-422543.5	-93777.4	22674.9	-809247.6	-2.0
1589	3	1 env SL~1 MAX	1052	1672202.1	1972049.5	33543.9	51353.6	820082.2	-1.3
			1044	1672202.1	422543.5	16773.0	-22060.7	813284.5	-1.3
			1555	7804321.7	422543.5	157231.7	-32264.1	-533635.8	-1.3
			1565	7804321.7	1972049.5	117540.3	37021.2	-527400.8	-1.3
		MIN	1052	-7804321.7	-422543.5	-96646.4	32038.1	541393.7	-2.0
			1044	-7804321.7	-1972049.5	-135182.3	-40840.8	535472.3	-2.0
			1555	-1672202.1	-1972049.5	6310.2	-54467.2	-807746.1	-2.0
			1565	-1672202.1	-422543.5	-9389.5	21220.2	-794620.2	-2.0
1590	3	1 env SL~1 MAX	1565	1672202.1	1972049.5	-48917.2	50765.0	806349.3	-1.3
			1555	1672202.1	422543.5	-66556.8	-16558.9	796251.5	-1.3
			1556	7804321.7	422543.5	215920.2	-30399.2	-450820.8	-1.3
			1566	7804321.7	1972049.5	174774.4	35209.1	-439861.1	-1.3
		MIN	1565	-7804321.7	-422543.5	-154674.0	31332.1	533500.5	-2.0
			1555	-7804321.7	-1972049.5	-193077.2	-38777.8	526580.6	-2.0
			1556	-1672202.1	-1972049.5	90552.8	-50999.4	-744420.4	-2.0
			1566	-1672202.1	-422543.5	69956.3	16026.1	-737597.0	-2.0
1591	3	1 env SL~1 MAX	1566	1672202.1	1972049.5	-107222.0	46833.6	745547.2	-1.3
			1556	1672202.1	422543.5	-126171.2	-9297.9	738829.9	-1.3
			1045	7804321.7	422543.5	274226.1	-23312.4	-290203.1	-1.3
			1053	7804321.7	1972049.5	232456.3	30844.1	-281443.1	-1.3
		MIN	1566	-7804321.7	-422543.5	-213285.8	28548.0	452539.1	-2.0
			1556	-7804321.7	-1972049.5	-250453.3	-34097.2	438775.3	-2.0
			1045	-1672202.1	-1972049.5	148511.3	-44387.0	-633970.2	-2.0
			1053	-1672202.1	-422543.5	127825.2	9232.8	-628864.3	-2.0
1592	3	1 env SL~1 MAX	1053	1672202.1	1972049.5	-165820.4	39688.8	636727.1	-1.3
			1045	1672202.1	422543.5	-182779.3	-230.9	628896.9	-1.3
			1557	7804321.7	422543.5	332251.5	-12510.7	-91143.9	-1.3
			1567	7804321.7	1972049.5	290512.7	23933.8	-85208.6	-1.3
		MIN	1053	-7804321.7	-422543.5	-272478.6	20820.0	293667.9	-2.0
			1045	-7804321.7	-1972049.5	-307342.2	-26748.7	278830.3	-2.0
			1557	-1672202.1	-1972049.5	205623.8	-34616.0	-468714.6	-2.0
			1567	-1672202.1	-422543.5	185919.2	884.3	-465608.5	-2.0
1593	3	1 env SL~1 MAX	1567	1672202.1	1972049.5	-224707.7	29407.9	473004.9	-1.3
			1557	1672202.1	422543.5	-238914.1	10693.7	464417.3	-1.3
			1558	7804321.7	422543.5	390127.7	793.9	146523.0	-1.3
			1568	7804321.7	1972049.5	349680.9	14538.6	148725.5	-1.3

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			MIN	1567	-7804321.7	-422543.5	-332255.3	10183.9	96552.0	-2.0	
				1557	-7804321.7	-1972049.5	-363772.0	-16665.7	80904.8	-2.0	
				1558	-1672202.1	-1972049.5	262364.0	-21628.4	-250016.7	-2.0	
				1568	-1672202.1	-422543.5	244201.1	-8937.3	-248674.5	-2.0	
1594	3	1	env SL~1	MAX	1568	1672202.1	1972049.5	-283887.1	16026.6	254294.6	-1.3
					1558	1672202.1	422543.5	-294510.3	23514.3	245886.2	-1.3
					1559	7804321.7	422543.5	465497.2	16774.9	423136.4	-1.3
					1569	7804321.7	1972049.5	434204.1	2877.2	420089.9	-1.3
				MIN	1568	-7804321.7	-422543.5	-414458.4	-2505.9	-138735.5	-2.0
					1558	-7804321.7	-1972049.5	-438005.3	-3808.7	-155128.0	-2.0
					1559	-1672202.1	-1972049.5	318707.4	-5288.0	22411.8	-2.0
					1569	-1672202.1	-422543.5	302633.3	-20087.7	20187.6	-2.0
1595	3	1	env SL~1	MAX	1569	1672202.1	1972049.5	-343389.7	409.8	-16055.9	-1.3
					1559	1672202.1	422543.5	-349432.3	38215.3	-25418.3	-1.3
					1560	7804321.7	422543.5	546430.6	35731.4	739365.6	-1.3
					1570	7804321.7	1972049.5	519128.4	-9207.0	728280.7	-1.3
				MIN	1569	-7804321.7	-422543.5	-501112.8	-17285.8	-412018.8	-2.0
					1559	-7804321.7	-1972049.5	-517208.6	10119.6	-429508.2	-2.0
					1560	-1672202.1	-1972049.5	374559.7	12075.0	321369.6	-2.0
					1570	-1672202.1	-422543.5	361205.5	-32301.3	311614.9	-2.0
1596	3	1	env SL~1	MAX	1570	1672202.1	1972049.5	-403270.3	-17020.5	-311356.4	-1.3
					1560	1672202.1	422543.5	-403453.9	54567.3	-321847.5	-1.3
					1046	7804321.7	422543.5	626623.0	58071.4	1096454.3	-1.3
					1054	7804321.7	1972049.5	604438.2	-19963.2	1072056.0	-1.3
				MIN	1570	-7804321.7	-422543.5	-588575.5	-34376.7	-722897.1	-2.0
					1560	-7804321.7	-1972049.5	-595248.1	21431.2	-742676.9	-2.0
					1046	-1672202.1	-1972049.5	429611.7	27770.4	598280.4	-2.0
					1054	-1672202.1	-422543.5	420055.8	-45281.8	580558.4	-2.0
1597	3	1	env SL~1	MAX	1054	1672202.1	1972049.5	-463940.9	-33668.3	-582710.3	-1.3
					1046	1672202.1	422543.5	-456059.4	72050.8	-595557.4	-1.3
					1047	7804321.7	422543.5	705257.5	84722.2	1496987.2	-1.3
					1055	7804321.7	1972049.5	690583.8	-31358.8	1448673.3	-1.3
				MIN	1054	-7804321.7	-422543.5	-677058.9	-54594.2	-1070484.5	-2.0
					1046	-7804321.7	-1972049.5	-671544.7	33846.4	-1095361.3	-2.0
					1047	-1672202.1	-1972049.5	483196.8	45952.8	914750.6	-2.0
					1055	-1672202.1	-422543.5	479746.8	-57635.8	883781.1	-2.0
1598	3	1	env SL~1	MAX	1055	1672202.1	1972049.5	-521710.0	-56191.6	-889606.9	-1.3
					1047	1672202.1	422543.5	-510894.0	86502.3	-906716.8	-1.3

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				1048	7804321.7	422543.5	779094.2	105896.4	1941026.9	-1.3
				1056	7804321.7	1972049.5	779623.1	-52130.4	1857545.6	-1.3
			MIN	1055	-7804321.7	-422543.5	-765780.2	-81660.9	-1453304.4	-2.0
				1047	-7804321.7	-1972049.5	-745699.4	43854.5	-1488547.7	-2.0
				1048	-1672202.1	-1972049.5	529865.7	57949.7	1268557.2	-2.0
				1056	-1672202.1	-422543.5	545681.5	-79331.1	1222216.3	-2.0
1599	3	1	env SL~1 MAX	1057	2313562.8	1972049.5	908320.1	7056.6	148234.0	-1.3
				1049	2313562.8	422543.5	943138.4	41265.1	174372.7	-1.3
				1050	1.08e+007	422543.5	-384141.3	36865.0	725636.1	-1.3
				1058	1.08e+007	1972049.5	-386356.7	9925.4	720115.3	-1.3
			MIN	1057	-1.08e+007	-422543.5	417865.7	-41130.2	-1315919.3	-1.9
				1049	-1.08e+007	-1972049.5	412046.1	-9984.8	-1328087.8	-1.9
				1050	-2313562.8	-1972049.5	-908832.9	-13498.0	-436048.6	-1.9
				1058	-2313562.8	-422543.5	-877270.3	-31854.0	-413751.9	-1.9
1600	3	1	env SL~1 MAX	1058	2313562.8	1972049.5	782957.6	16429.9	414085.6	-1.3
				1050	2313562.8	422543.5	810456.1	18544.0	434761.5	-1.3
				1051	1.08e+007	422543.5	-299379.1	15298.7	206638.4	-1.3
				1059	1.08e+007	1972049.5	-310278.6	16851.2	210914.9	-1.3
			MIN	1058	-1.08e+007	-422543.5	342392.2	-23778.4	-724292.7	-1.9
				1050	-1.08e+007	-1972049.5	326679.4	-18146.7	-721510.2	-1.9
				1051	-2313562.8	-1972049.5	-778887.7	-23815.9	-646098.2	-1.9
				1059	-2313562.8	-422543.5	-749170.7	-13889.3	-623977.3	-1.9
1601	3	1	env SL~1 MAX	1059	2313562.8	1972049.5	658020.4	25664.4	627213.5	-1.3
				1051	2313562.8	422543.5	675879.1	2568.6	641802.3	-1.3
				1561	1.08e+007	422543.5	-214378.8	-3053.6	-208712.0	-1.3
				1571	1.08e+007	1972049.5	-234426.1	22277.1	-201021.0	-1.3
			MIN	1059	-1.08e+007	-422543.5	265979.1	-6523.7	-214638.8	-1.9
				1051	-1.08e+007	-1972049.5	242239.8	-23099.8	-203584.1	-1.9
				1561	-2313562.8	-1972049.5	-645275.8	-31500.8	-802837.7	-1.9
				1571	-2313562.8	-422543.5	-623268.4	1331.0	-781432.9	-1.9
1602	3	1	env SL~1 MAX	1571	2313562.8	1972049.5	533722.9	32432.6	786907.4	-1.3
				1561	2313562.8	422543.5	540095.5	-9533.5	796068.8	-1.3
				1562	1.08e+007	422543.5	-130364.6	-16177.0	-451961.2	-1.3
				1572	1.08e+007	1972049.5	-157847.8	26014.2	-442152.3	-1.3
			MIN	1571	-1.08e+007	-422543.5	189023.9	7383.9	202168.4	-1.9
				1561	-1.08e+007	-1972049.5	158602.4	-26670.2	206762.1	-1.9
				1562	-2313562.8	-1972049.5	-510242.6	-37076.1	-906377.1	-1.9
				1572	-2313562.8	-422543.5	-498220.5	10962.6	-886051.8	-1.9

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1603	3	1	env	SL~1	MAX	1572	2313562.8	1972049.5	409669.1	37111.3	893402.5	-1.3
						1562	2313562.8	422543.5	404040.0	-15830.8	897570.2	-1.3
						1563	1.08e+007	422543.5	-47099.7	-23295.5	-602821.5	-1.3
						1573	1.08e+007	1972049.5	-80694.1	28101.0	-593882.4	-1.3
					MIN	1572	-1.08e+007	-422543.5	111451.5	19148.3	445121.8	-1.9
						1562	-1.08e+007	-1972049.5	75756.3	-28536.1	447477.7	-1.9
						1563	-2313562.8	-1972049.5	-374541.1	-40465.3	-956796.1	-1.9
						1573	-2313562.8	-422543.5	-373812.7	16994.6	-937941.9	-1.9
1604	3	1	env	SL~1	MAX	1573	2313562.8	1972049.5	286001.1	39644.7	946762.3	-1.3
						1563	2313562.8	422543.5	270505.3	-20367.5	946386.2	-1.3
						1564	1.08e+007	422543.5	35388.9	-27962.5	-700708.3	-1.3
						1574	1.08e+007	1972049.5	-2961.8	30565.9	-692879.1	-1.3
					MIN	1573	-1.08e+007	-422543.5	33295.9	24690.5	597544.7	-1.9
						1563	-1.08e+007	-1972049.5	-6309.0	-33206.7	597553.6	-1.9
						1564	-2313562.8	-1972049.5	-239630.0	-44063.8	-1044435.8	-1.9
						1574	-2313562.8	-422543.5	-250168.0	21227.3	-1021109.4	-1.9
1605	3	1	env	SL~1	MAX	1574	2313562.8	1972049.5	166975.0	40290.4	1026987.3	-1.3
						1564	2313562.8	422543.5	151641.5	-23138.4	1035263.5	-1.3
						1052	1.08e+007	422543.5	117097.9	-30566.1	-745712.6	-1.3
						1060	1.08e+007	1972049.5	75326.8	34829.0	-739239.2	-1.3
					MIN	1574	-1.08e+007	-422543.5	-45422.5	28184.8	697040.6	-1.9
						1564	-1.08e+007	-1972049.5	-87588.3	-36932.0	694910.6	-1.9
						1052	-2313562.8	-1972049.5	-119251.9	-48958.4	-1114698.2	-1.9
						1060	-2313562.8	-422543.5	-134009.3	23659.2	-1094112.2	-1.9
1606	3	1	env	SL~1	MAX	1060	2313562.8	1972049.5	50743.0	43453.4	1101689.0	-1.3
						1052	2313562.8	422543.5	33400.4	-24146.8	1103863.6	-1.3
						1565	1.08e+007	422543.5	197997.1	-31107.0	-737926.9	-1.3
						1575	1.08e+007	1972049.5	154155.4	36411.5	-733059.7	-1.3
					MIN	1060	-1.08e+007	-422543.5	-124682.1	29622.2	743697.2	-1.9
						1052	-1.08e+007	-1972049.5	-168056.5	-38280.8	739637.5	-1.9
						1565	-2313562.8	-1972049.5	-829.8	-50350.9	-1104739.9	-1.9
						1575	-2313562.8	-422543.5	-17958.3	24286.5	-1088173.6	-1.9
1607	3	1	env	SL~1	MAX	1575	2313562.8	1972049.5	-63839.6	43615.6	1096891.6	-1.3
						1565	2313562.8	422543.5	-81469.7	-19390.2	1093010.7	-1.3
						1566	1.08e+007	422543.5	278026.9	-29586.2	-628808.9	-1.3
						1576	1.08e+007	1972049.5	233511.6	35335.4	-620101.3	-1.3
					MIN	1575	-1.08e+007	-422543.5	-204462.1	28993.4	737605.9	-1.9
						1565	-1.08e+007	-1972049.5	-247662.4	-37016.7	731827.1	-1.9

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				1566	-2313562.8	-1972049.5	113553.2	-48383.1	-1027078.9	-1.9
				1576	-2313562.8	-422543.5	94558.8	19813.8	-1017074.8	-1.9
1608	3	1	env SL~1 MAX	1576	2313562.8	1972049.5	-144983.1	40573.6	1023490.4	-1.3
				1566	2313562.8	422543.5	-163086.4	-12991.1	1019128.7	-1.3
				1053	1.08e+007	422543.5	357080.6	-25045.0	-414859.8	-1.3
				1061	1.08e+007	1972049.5	313386.5	31613.5	-409924.5	-1.3
			MIN	1576	-1.08e+007	-422543.5	-284738.9	26288.2	630801.3	-1.9
				1566	-1.08e+007	-1972049.5	-326314.3	-33259.6	616130.9	-1.9
				1053	-2313562.8	-1972049.5	192648.1	-43191.7	-882143.9	-1.9
				1061	-2313562.8	-422543.5	174835.3	13588.8	-875519.6	-1.9
1609	3	1	env SL~1 MAX	1061	2313562.8	1972049.5	-225617.1	34328.8	882178.4	-1.3
				1053	2313562.8	422543.5	-241451.9	-5007.8	874281.0	-1.3
				1567	1.08e+007	422543.5	434978.4	-15563.1	-148444.1	-1.3
				1577	1.08e+007	1972049.5	393771.4	25243.3	-147821.7	-1.3
			MIN	1061	-1.08e+007	-422543.5	-365478.7	19979.0	420058.9	-1.9
				1053	-1.08e+007	-1972049.5	-403857.2	-27005.0	402635.0	-1.9
				1567	-2313562.8	-1972049.5	271076.0	-34850.3	-661021.9	-1.9
				1577	-2313562.8	-422543.5	255406.8	5693.4	-657943.5	-1.9
1610	3	1	env SL~1 MAX	1577	2313562.8	1972049.5	-306475.8	25347.0	664417.1	-1.3
				1567	2313562.8	422543.5	-319086.4	4494.9	653625.5	-1.3
				1568	1.08e+007	422543.5	511425.1	-3982.8	170087.4	-1.3
				1578	1.08e+007	1972049.5	474648.0	16195.6	165932.9	-1.3
			MIN	1577	-1.08e+007	-422543.5	-446624.6	9464.1	156955.5	-1.9
				1567	-1.08e+007	-1972049.5	-480034.7	-18277.7	137100.7	-1.9
				1568	-2313562.8	-1972049.5	348717.5	-23412.0	-363979.6	-1.9
				1578	-2313562.8	-422543.5	336258.6	-3903.3	-364585.9	-1.9
1611	3	1	env SL~1 MAX	1578	2313562.8	1972049.5	-387494.9	13510.8	370463.6	-1.3
				1568	2313562.8	422543.5	-395830.4	15426.0	357419.2	-1.3
				1569	1.08e+007	422543.5	617519.0	9685.2	540079.4	-1.3
				1579	1.08e+007	1972049.5	590210.5	4521.3	530982.8	-1.3
			MIN	1578	-1.08e+007	-422543.5	-557015.3	-3298.2	-158238.8	-1.9
				1568	-1.08e+007	-1972049.5	-585358.9	-7135.8	-180077.4	-1.9
				1569	-2313562.8	-1972049.5	425393.4	-9440.0	6553.9	-1.9
				1579	-2313562.8	-422543.5	417345.8	-15278.1	2053.7	-1.9
1612	3	1	env SL~1 MAX	1579	2313562.8	1972049.5	-468552.2	-1386.1	605.3	-1.3
				1569	2313562.8	422543.5	-471436.0	27688.3	-10685.6	-1.3
				1570	1.08e+007	422543.5	726930.9	25465.1	960278.6	-1.3
				1580	1.08e+007	1972049.5	708321.6	-9804.5	946864.7	-1.3

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			MIN	1579	-1.08e+007	-422543.5	-675270.2	-18294.1	-525141.1	-1.9
				1569	-1.08e+007	-1972049.5	-694627.0	5836.4	-548150.5	-1.9
				1570	-2313562.8	-1972049.5	500853.2	6611.8	407981.3	-1.9
				1580	-2313562.8	-422543.5	498548.8	-28565.2	400785.8	-1.9
1613	3	1	env SL~1 MAX	1580	2313562.8	1972049.5	-549383.5	-18305.3	-399758.3	-1.3
				1570	2313562.8	422543.5	-545587.4	41212.9	-408239.8	-1.3
				1054	1.08e+007	422543.5	833783.5	43351.5	1428242.4	-1.3
				1062	1.08e+007	1972049.5	826507.2	-23746.3	1413042.0	-1.3
			MIN	1580	-1.08e+007	-422543.5	-793434.9	-35411.8	-943193.7	-1.9
				1570	-1.08e+007	-1972049.5	-801500.4	17245.5	-965662.2	-1.9
				1054	-2313562.8	-1972049.5	574789.4	22998.4	777747.6	-1.9
				1062	-2313562.8	-422543.5	579595.4	-44094.9	771214.7	-1.9
1614	3	1	env SL~1 MAX	1062	2313562.8	1972049.5	-629854.7	-32853.4	-770871.3	-1.3
				1054	2313562.8	422543.5	-617703.3	56524.5	-775595.7	-1.3
				1055	1.08e+007	422543.5	937514.8	64083.0	1939649.5	-1.3
				1063	1.08e+007	1972049.5	944080.9	-38148.0	1928524.0	-1.3
			MIN	1062	-1.08e+007	-422543.5	-911061.0	-54216.3	-1411421.6	-1.9
				1054	-1.08e+007	-1972049.5	-905179.4	30633.1	-1429814.0	-1.9
				1055	-2313562.8	-1972049.5	647220.3	39683.4	1195042.0	-1.9
				1063	-2313562.8	-422543.5	659751.6	-61134.1	1192917.2	-1.9
1615	3	1	env SL~1 MAX	1063	2313562.8	1972049.5	-708363.3	-50797.2	-1192884.0	-1.3
				1055	2313562.8	422543.5	-692056.1	75213.7	-1189216.2	-1.3
				1056	1.08e+007	422543.5	1036876.2	79343.6	2485944.3	-1.3
				1064	1.08e+007	1972049.5	1060812.8	-55619.8	2495353.7	-1.3
			MIN	1063	-1.08e+007	-422543.5	-1025998.7	-76591.7	-1928537.8	-1.9
				1055	-1.08e+007	-1972049.5	-1006335.0	47867.0	-1935018.4	-1.9
				1056	-2313562.8	-1972049.5	719986.7	52142.2	1656118.5	-1.9
				1064	-2313562.8	-422543.5	739846.6	-82444.7	1668182.7	-1.9
1616	3	1	env SL~1 MAX	1065	2313562.8	1972049.5	872173.2	4364.1	79938.5	-1.3
				1057	2313562.8	422543.5	891459.8	41133.5	102395.2	-1.3
				1058	1.08e+007	422543.5	-398964.6	36194.7	722145.9	-1.3
				1066	1.08e+007	1972049.5	-397595.5	7895.7	717963.7	-1.3
			MIN	1065	-1.08e+007	-422543.5	428702.7	-40443.7	-1287566.3	-1.9
				1057	-1.08e+007	-1972049.5	427271.3	-7046.9	-1292937.4	-1.9
				1058	-2313562.8	-1972049.5	-857330.8	-10264.0	-372828.5	-1.9
				1066	-2313562.8	-422543.5	-840946.9	-32042.7	-353869.5	-1.9
1617	3	1	env SL~1 MAX	1066	2313562.8	1972049.5	754103.5	13483.2	354130.3	-1.3

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				1058	2313562.8	422543.5	771420.6	19182.9	372494.7	-1.3
				1059	1.08e+007	422543.5	-314723.5	16957.4	226632.7	-1.3
				1067	1.08e+007	1972049.5	-320869.7	15313.5	227973.3	-1.3
			MIN	1066	-1.08e+007	-422543.5	352844.0	-22548.3	-720159.9	-1.9
				1058	-1.08e+007	-1972049.5	342163.1	-16091.3	-717968.4	-1.9
				1059	-2313562.8	-1972049.5	-738944.9	-20884.2	-591916.0	-1.9
				1067	-2313562.8	-422543.5	-721223.8	-13887.2	-573024.5	-1.9
1618	3	1	env SL~1 MAX	1067	2313562.8	1972049.5	636482.5	22764.0	575637.7	-1.3
				1059	2313562.8	422543.5	649872.4	3093.5	588679.8	-1.3
				1571	1.08e+007	422543.5	-230338.9	731.5	-188906.2	-1.3
				1581	1.08e+007	1972049.5	-244362.1	21278.9	-182945.7	-1.3
			MIN	1067	-1.08e+007	-422543.5	275857.8	-5512.6	-229396.8	-1.9
				1059	-1.08e+007	-1972049.5	258257.0	-21631.4	-222908.7	-1.9
				1571	-2313562.8	-1972049.5	-617654.6	-28864.2	-757451.1	-1.9
				1581	-2313562.8	-422543.5	-603345.0	1465.6	-739182.2	-1.9
1619	3	1	env SL~1 MAX	1581	2313562.8	1972049.5	519599.3	29611.6	743546.0	-1.3
				1571	2313562.8	422543.5	526977.2	-8983.5	751976.6	-1.3
				1572	1.08e+007	422543.5	-146806.3	-12629.6	-433375.4	-1.3
				1582	1.08e+007	1972049.5	-167214.0	25461.0	-425269.9	-1.3
			MIN	1581	-1.08e+007	-422543.5	198459.1	7880.4	183095.8	-1.9
				1571	-1.08e+007	-1972049.5	174975.1	-25845.4	189768.9	-1.9
				1572	-2313562.8	-1972049.5	-495098.8	-34775.7	-869687.0	-1.9
				1582	-2313562.8	-422543.5	-486122.4	10387.9	-852291.2	-1.9
1620	3	1	env SL~1 MAX	1582	2313562.8	1972049.5	403095.3	34391.8	858129.6	-1.3
				1572	2313562.8	422543.5	403427.3	-15544.8	862336.3	-1.3
				1573	1.08e+007	422543.5	-63998.4	-21380.2	-588666.2	-1.3
				1583	1.08e+007	1972049.5	-89683.7	27929.5	-581108.7	-1.3
			MIN	1582	-1.08e+007	-422543.5	120659.4	17434.8	427857.9	-1.9
				1572	-1.08e+007	-1972049.5	92436.6	-28349.7	430405.8	-1.9
				1573	-2313562.8	-1972049.5	-371746.0	-38548.3	-928732.8	-1.9
				1583	-2313562.8	-422543.5	-369421.2	16493.7	-912554.2	-1.9
1621	3	1	env SL~1 MAX	1583	2313562.8	1972049.5	286811.6	37058.9	919547.1	-1.3
				1573	2313562.8	422543.5	280001.1	-20304.9	919912.4	-1.3
				1574	1.08e+007	422543.5	18060.4	-26155.6	-691080.3	-1.3
				1584	1.08e+007	1972049.5	-11744.8	31118.3	-684295.7	-1.3
			MIN	1583	-1.08e+007	-422543.5	42467.6	22995.8	584262.7	-1.9
				1573	-1.08e+007	-1972049.5	10630.7	-29317.2	585004.0	-1.9
				1574	-2313562.8	-1972049.5	-248383.4	-40182.6	-999661.4	-1.9
				1584	-2313562.8	-422543.5	-253074.1	20755.9	-983556.0	-1.9

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1622	3	1 env SL~1 MAX	1584	2313562.8	1972049.5	171235.9	38380.2	988202.2	-1.3
			1574	2313562.8	422543.5	158801.3	-23256.5	993783.5	-1.3
			1060	1.08e+007	422543.5	99370.4	-28885.9	-740686.6	-1.3
			1068	1.08e+007	1972049.5	66636.7	35486.7	-734879.0	-1.3
		MIN	1584	-1.08e+007	-422543.5	-36151.2	26533.7	687823.9	-1.9
			1574	-1.08e+007	-1972049.5	-70442.1	-34029.2	686918.8	-1.9
			1060	-2313562.8	-1972049.5	-127144.3	-41927.7	-1081372.9	-1.9
			1068	-2313562.8	-422543.5	-137537.7	23177.5	-1066369.8	-1.9
1623	3	1 env SL~1 MAX	1068	2313562.8	1972049.5	55758.1	40964.1	1071876.9	-1.3
			1060	2313562.8	422543.5	41648.9	-24395.5	1073796.1	-1.3
			1575	1.08e+007	422543.5	179929.5	-29564.8	-737552.7	-1.3
			1585	1.08e+007	1972049.5	145498.7	37137.9	-732899.1	-1.3
		MIN	1068	-1.08e+007	-422543.5	-115233.3	28043.7	738600.1	-1.9
			1060	-1.08e+007	-1972049.5	-150781.1	-36461.5	736228.7	-1.9
			1575	-2313562.8	-1972049.5	-9082.3	-43937.2	-1084653.3	-1.9
			1585	-2313562.8	-422543.5	-22161.2	23758.3	-1071591.7	-1.9
1624	3	1 env SL~1 MAX	1585	2313562.8	1972049.5	-59053.1	40617.7	1077680.7	-1.3
			1575	2313562.8	422543.5	-72920.0	-21710.8	1075935.3	-1.3
			1576	1.08e+007	422543.5	259741.8	-28186.5	-635717.4	-1.3
			1586	1.08e+007	1972049.5	224868.1	36073.2	-628092.0	-1.3
		MIN	1585	-1.08e+007	-422543.5	-194807.2	27525.7	736641.2	-1.9
			1575	-1.08e+007	-1972049.5	-230388.8	-36203.4	733006.6	-1.9
			1576	-2313562.8	-1972049.5	105207.8	-42807.2	-1017102.2	-1.9
			1586	-2313562.8	-422543.5	90724.8	20385.2	-1008545.8	-1.9
1625	3	1 env SL~1 MAX	1586	2313562.8	1972049.5	-140493.3	37444.1	1012344.9	-1.3
			1576	2313562.8	422543.5	-155549.6	-15854.0	1010686.7	-1.3
			1061	1.08e+007	422543.5	338826.0	-24746.1	-430795.9	-1.3
			1069	1.08e+007	1972049.5	304759.4	32287.0	-426118.9	-1.3
		MIN	1586	-1.08e+007	-422543.5	-274891.0	24983.3	636334.9	-1.9
			1576	-1.08e+007	-1972049.5	-309280.5	-33264.4	625017.5	-1.9
			1061	-2313562.8	-1972049.5	184817.7	-38528.8	-881508.1	-1.9
			1069	-2313562.8	-422543.5	170639.0	14134.5	-874894.3	-1.9
1626	3	1 env SL~1 MAX	1069	2313562.8	1972049.5	-220762.3	31907.4	878819.7	-1.3
			1061	2313562.8	422543.5	-234801.9	-8298.5	874849.3	-1.3
			1577	1.08e+007	422543.5	417231.8	-16139.1	-173474.8	-1.3
			1587	1.08e+007	1972049.5	385177.7	25769.6	-171950.4	-1.3
		MIN	1069	-1.08e+007	-422543.5	-355495.9	18410.0	433838.4	-1.9

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				1061	-1.08e+007	-1972049.5	-387499.8	-27641.7	420661.5	-1.9
				1577	-2313562.8	-1972049.5	264163.2	-31183.8	-669139.7	-1.9
				1587	-2313562.8	-422543.5	250814.9	6118.1	-664695.9	-1.9
1627	3	1	env SL~1 MAX	1587	2313562.8	1972049.5	-301318.5	23708.8	668553.1	-1.3
				1577	2313562.8	422543.5	-313860.2	981.7	662666.2	-1.3
				1578	1.08e+007	422543.5	495066.2	-4827.8	136115.4	-1.3
				1588	1.08e+007	1972049.5	466131.0	16510.6	134364.9	-1.3
			MIN	1587	-1.08e+007	-422543.5	-436638.7	8304.1	178866.4	-1.9
				1577	-1.08e+007	-1972049.5	-465144.6	-19317.3	164341.1	-1.9
				1578	-2313562.8	-1972049.5	343332.1	-21406.4	-380230.6	-1.9
				1588	-2313562.8	-422543.5	331260.5	-3683.9	-378126.9	-1.9
1628	3	1	env SL~1 MAX	1588	2313562.8	1972049.5	-382201.0	12569.2	381759.8	-1.3
				1578	2313562.8	422543.5	-392861.8	12029.3	374352.9	-1.3
				1579	1.08e+007	422543.5	603598.3	8660.8	497904.3	-1.3
				1589	1.08e+007	1972049.5	578897.4	4505.5	492813.9	-1.3
			MIN	1588	-1.08e+007	-422543.5	-546217.5	-3896.8	-128469.1	-1.9
				1578	-1.08e+007	-1972049.5	-571129.6	-8256.8	-143809.5	-1.9
				1579	-2313562.8	-1972049.5	422467.4	-8560.8	-14901.7	-1.9
				1589	-2313562.8	-422543.5	412009.3	-15290.5	-15296.2	-1.9
1629	3	1	env SL~1 MAX	1589	2313562.8	1972049.5	-463514.8	-1537.8	18600.5	-1.3
				1579	2313562.8	422543.5	-472027.0	24911.5	9995.9	-1.3
				1580	1.08e+007	422543.5	718570.3	24310.1	912023.5	-1.3
				1590	1.08e+007	1972049.5	696630.1	-9907.3	903464.1	-1.3
			MIN	1589	-1.08e+007	-422543.5	-664159.7	-18191.0	-488073.3	-1.9
				1579	-1.08e+007	-1972049.5	-685729.3	5237.7	-503746.0	-1.9
				1580	-2313562.8	-1972049.5	501797.9	7098.0	386000.9	-1.9
				1590	-2313562.8	-422543.5	493157.8	-28683.9	381907.4	-1.9
1630	3	1	env SL~1 MAX	1590	2313562.8	1972049.5	-545442.8	-17920.6	-380589.0	-1.3
				1580	2313562.8	422543.5	-551729.1	39666.9	-387028.4	-1.3
				1062	1.08e+007	422543.5	833902.9	41977.5	1379055.0	-1.3
				1070	1.08e+007	1972049.5	815220.8	-24055.8	1366625.1	-1.3
			MIN	1590	-1.08e+007	-422543.5	-782995.1	-34619.3	-899963.2	-1.9
				1580	-1.08e+007	-1972049.5	-800647.8	19566.8	-915694.5	-1.9
				1062	-2313562.8	-1972049.5	581641.2	23149.6	758041.5	-1.9
				1070	-2313562.8	-422543.5	574944.6	-43941.2	751990.3	-1.9
1631	3	1	env SL~1 MAX	1070	2313562.8	1972049.5	-628610.1	-32400.4	-751279.0	-1.3
				1062	2313562.8	422543.5	-632147.9	56333.7	-758384.9	-1.3
				1063	1.08e+007	422543.5	950534.1	62619.0	1901035.7	-1.3

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				1071	1.08e+007	1972049.5	935109.5	-37995.1	1882697.7	-1.3
			MIN	1070	-1.08e+007	-422543.5	-903655.2	-52966.4	-1364434.7	-1.9
				1062	-1.08e+007	-1972049.5	-916539.8	33450.1	-1380675.3	-1.9
				1063	-2313562.8	-1972049.5	662538.6	39411.8	1184688.6	-1.9
				1071	-2313562.8	-422543.5	657633.4	-60477.5	1175164.0	-1.9
1632	3	1	env SL~1 MAX	1071	2313562.8	1972049.5	-712801.5	-49638.0	-1175555.1	-1.3
				1063	2313562.8	422543.5	-714692.8	75106.8	-1184721.7	-1.3
				1064	1.08e+007	422543.5	1069804.9	82456.7	2480686.0	-1.3
				1072	1.08e+007	1972049.5	1058177.3	-54774.9	2454256.1	-1.3
			MIN	1071	-1.08e+007	-422543.5	-1026820.0	-74376.9	-1882593.9	-1.9
				1063	-1.08e+007	-1972049.5	-1035806.9	49533.5	-1901021.8	-1.9
				1064	-2313562.8	-1972049.5	744608.2	55631.4	1667390.7	-1.9
				1072	-2313562.8	-422543.5	742300.0	-80596.5	1652924.5	-1.9
1633	3	1	env SL~1 MAX	1073	2313562.8	1972049.5	856412.1	1972.3	24097.7	-1.3
				1065	2313562.8	422543.5	867903.8	40447.1	42590.0	-1.3
				1066	1.08e+007	422543.5	-411813.1	34966.4	720929.4	-1.3
				1074	1.08e+007	1972049.5	-411081.6	6445.0	720310.2	-1.3
			MIN	1073	-1.08e+007	-422543.5	441646.5	-39452.4	-1277725.2	-1.9
				1065	-1.08e+007	-1972049.5	440662.1	-4354.2	-1278005.5	-1.9
				1066	-2313562.8	-1972049.5	-834007.7	-7157.8	-320366.7	-1.9
				1074	-2313562.8	-422543.5	-824952.9	-31565.7	-308035.1	-1.9
1634	3	1	env SL~1 MAX	1074	2313562.8	1972049.5	746248.8	10720.7	303989.2	-1.3
				1066	2313562.8	422543.5	752687.3	19231.0	320105.8	-1.3
				1067	1.08e+007	422543.5	-327983.9	16273.8	237032.4	-1.3
				1075	1.08e+007	1972049.5	-331001.5	14466.6	238407.2	-1.3
			MIN	1074	-1.08e+007	-422543.5	362600.7	-21155.9	-722711.9	-1.9
				1066	-1.08e+007	-1972049.5	355798.6	-14221.2	-718733.2	-1.9
				1067	-2313562.8	-1972049.5	-719984.5	-17792.0	-545658.9	-1.9
				1075	-2313562.8	-422543.5	-713596.3	-14258.5	-532162.8	-1.9
1635	3	1	env SL~1 MAX	1075	2313562.8	1972049.5	633984.0	19992.0	530205.4	-1.3
				1067	2313562.8	422543.5	636562.0	3087.8	543045.8	-1.3
				1581	1.08e+007	422543.5	-243980.0	194.1	-170832.8	-1.3
				1591	1.08e+007	1972049.5	-253326.8	20887.4	-167955.0	-1.3
			MIN	1075	-1.08e+007	-422543.5	284490.8	-4380.0	-241140.2	-1.9
				1067	-1.08e+007	-1972049.5	272229.8	-20285.6	-235608.8	-1.9
				1581	-2313562.8	-1972049.5	-603935.7	-25850.2	-717366.7	-1.9
				1591	-2313562.8	-422543.5	-601255.0	912.8	-703093.5	-1.9

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1636	3	1	env	SL~1	MAX	1591	2313562.8	1972049.5	520342.3	27068.5	703239.8	-1.3	
						1581	2313562.8	422543.5	519517.6	-8358.8	713002.9	-1.3	
						1582	1.08e+007	422543.5	-160702.2	-12226.9	-416853.4	-1.3	
						1592	1.08e+007	1972049.5	-175727.1	25168.5	-410310.8	-1.3	
						MIN	1591	-1.08e+007	-422543.5	206726.2	8231.0	165242.1	-1.9
						1581	-1.08e+007	-1972049.5	189117.0	-25040.4	171449.8	-1.9	
						1582	-2313562.8	-1972049.5	-487058.8	-31857.8	-836062.8	-1.9	
						1592	-2313562.8	-422543.5	-487445.7	9442.2	-821399.1	-1.9	
1637	3	1	env	SL~1	MAX	1592	2313562.8	1972049.5	405707.2	32057.9	823733.9	-1.3	
						1582	2313562.8	422543.5	401922.1	-15003.7	830224.4	-1.3	
						1583	1.08e+007	422543.5	-77937.1	-19691.7	-575327.6	-1.3	
						1593	1.08e+007	1972049.5	-97855.8	27587.7	-568838.3	-1.3	
						MIN	1592	-1.08e+007	-422543.5	128716.0	15827.6	410057.1	-1.9
						1582	-1.08e+007	-1972049.5	106490.8	-27995.1	414265.4	-1.9	
						1583	-2313562.8	-1972049.5	-369559.7	-35810.4	-901924.1	-1.9	
						1593	-2313562.8	-422543.5	-372714.3	15568.9	-887422.3	-1.9	
1638	3	1	env	SL~1	MAX	1593	2313562.8	1972049.5	290451.0	34929.9	891824.5	-1.3	
						1583	2313562.8	422543.5	284070.4	-19797.8	894931.2	-1.3	
						1584	1.08e+007	422543.5	4291.2	-24538.4	-681072.0	-1.3	
						1594	1.08e+007	1972049.5	-19520.9	30529.3	-674789.3	-1.3	
						MIN	1593	-1.08e+007	-422543.5	50256.5	21468.8	569573.2	-1.9
						1583	-1.08e+007	-1972049.5	24387.2	-29386.4	572173.6	-1.9	
						1584	-2313562.8	-1972049.5	-251758.5	-37664.8	-969950.8	-1.9	
						1594	-2313562.8	-422543.5	-257407.7	19846.2	-960366.0	-1.9	
1639	3	1	env	SL~1	MAX	1594	2313562.8	1972049.5	174767.5	36768.5	962458.5	-1.3	
						1584	2313562.8	422543.5	166111.5	-22751.3	965304.5	-1.3	
						1068	1.08e+007	422543.5	85964.3	-27351.8	-734131.9	-1.3	
						1076	1.08e+007	1972049.5	59366.3	34870.7	-728243.4	-1.3	
						MIN	1594	-1.08e+007	-422543.5	-28755.5	25139.8	676563.3	-1.9
						1584	-1.08e+007	-1972049.5	-57161.1	-34589.4	677543.9	-1.9	
						1068	-2313562.8	-1972049.5	-133824.3	-39695.6	-1057261.7	-1.9	
						1076	-2313562.8	-422543.5	-141699.4	22258.2	-1047002.4	-1.9	
1640	3	1	env	SL~1	MAX	1076	2313562.8	1972049.5	58770.9	39538.1	1050596.8	-1.3	
						1068	2313562.8	422543.5	48291.9	-23869.4	1051754.6	-1.3	
						1585	1.08e+007	422543.5	167060.6	-28132.3	-734534.7	-1.3	
						1595	1.08e+007	1972049.5	138862.3	36467.6	-729258.8	-1.3	
						MIN	1076	-1.08e+007	-422543.5	-108375.4	26809.2	731028.3	-1.9
						1068	-1.08e+007	-1972049.5	-138133.7	-37077.1	730410.8	-1.9	
						1585	-2313562.8	-1972049.5	-16017.5	-41231.6	-1067507.9	-1.9	

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				1595	-2313562.8	-422543.5	-25689.9	22801.6	-1057672.4	-1.9
1641	3	1	env SL~1 MAX	1595	2313562.8	1972049.5	-56772.8	39381.3	1062799.6	-1.3
				1585	2313562.8	422543.5	-68014.8	-22186.3	1061418.9	-1.3
				1586	1.08e+007	422543.5	247564.6	-26883.8	-638663.8	-1.3
				1596	1.08e+007	1972049.5	219000.3	35330.5	-630094.1	-1.3
			MIN	1595	-1.08e+007	-422543.5	-188632.8	26447.0	732956.4	-1.9
				1585	-1.08e+007	-1972049.5	-218518.1	-36852.7	730792.6	-1.9
				1586	-2313562.8	-1972049.5	99894.8	-39833.8	-1005983.9	-1.9
				1596	-2313562.8	-422543.5	87062.7	19506.1	-999349.6	-1.9
1642	3	1	env SL~1 MAX	1596	2313562.8	1972049.5	-137508.9	36317.6	1003278.6	-1.3
				1586	2313562.8	422543.5	-150892.3	-16373.0	1002184.9	-1.3
				1069	1.08e+007	422543.5	327466.7	-23614.1	-441231.1	-1.3
				1077	1.08e+007	1972049.5	299786.5	31486.4	-435274.7	-1.3
			MIN	1596	-1.08e+007	-422543.5	-269531.6	24029.1	639762.4	-1.9
				1586	-1.08e+007	-1972049.5	-298307.7	-33913.4	630420.9	-1.9
				1069	-2313562.8	-1972049.5	180086.6	-35881.0	-876082.9	-1.9
				1077	-2313562.8	-422543.5	167728.6	13161.3	-870250.6	-1.9
1643	3	1	env SL~1 MAX	1077	2313562.8	1972049.5	-218519.9	30708.2	875163.0	-1.3
				1069	2313562.8	422543.5	-230729.4	-8813.4	872157.6	-1.3
				1587	1.08e+007	422543.5	406763.7	-14935.8	-191083.5	-1.3
				1597	1.08e+007	1972049.5	381180.7	24977.5	-188075.0	-1.3
			MIN	1077	-1.08e+007	-422543.5	-351034.3	17024.0	445191.6	-1.9
				1069	-1.08e+007	-1972049.5	-377496.1	-28250.2	433511.5	-1.9
				1587	-2313562.8	-1972049.5	259986.7	-29409.2	-669482.4	-1.9
				1597	-2313562.8	-422543.5	248676.4	5140.1	-664850.6	-1.9
1644	3	1	env SL~1 MAX	1597	2313562.8	1972049.5	-299743.9	22227.9	670386.4	-1.3
				1587	2313562.8	422543.5	-310249.2	513.7	665625.2	-1.3
				1588	1.08e+007	422543.5	485455.4	-4061.0	111838.0	-1.3
				1598	1.08e+007	1972049.5	463056.5	15860.0	111654.5	-1.3
			MIN	1597	-1.08e+007	-422543.5	-433029.2	6903.5	197670.2	-1.9
				1587	-1.08e+007	-1972049.5	-456068.7	-19846.7	184167.6	-1.9
				1588	-2313562.8	-1972049.5	339573.1	-20179.4	-386261.1	-1.9
				1598	-2313562.8	-422543.5	329833.9	-4511.5	-383179.7	-1.9
1645	3	1	env SL~1 MAX	1598	2313562.8	1972049.5	-381032.7	11013.5	388851.5	-1.3
				1588	2313562.8	422543.5	-389398.6	11641.7	382628.3	-1.3
				1589	1.08e+007	422543.5	592092.4	8868.5	467572.7	-1.3
				1599	1.08e+007	1972049.5	578037.8	4195.9	464048.0	-1.3

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			MIN	1598	-1.08e+007	-422543.5	-545178.7	-5341.6	-103043.2	-1.9
				1588	-1.08e+007	-1972049.5	-559442.0	-8678.9	-117733.8	-1.9
				1589	-2313562.8	-1972049.5	418813.9	-8034.7	-26510.0	-1.9
				1599	-2313562.8	-422543.5	411031.2	-15741.3	-25293.2	-1.9
1646	3	1 env SL~1 MAX	1599	2313562.8	1972049.5	-462087.0	-2986.0	30485.9	-1.3	
				1589	2313562.8	422543.5	-468074.4	24613.0	23205.7	-1.3
				1590	1.08e+007	422543.5	706683.4	23877.6	876081.0	-1.3
				1600	1.08e+007	1972049.5	695403.9	-9733.6	869096.0	-1.3
			MIN	1599	-1.08e+007	-422543.5	-662747.0	-19593.4	-457173.0	-1.9
				1589	-1.08e+007	-1972049.5	-673812.5	5101.2	-472313.4	-1.9
				1590	-2313562.8	-1972049.5	497648.5	7070.1	369718.7	-1.9
				1600	-2313562.8	-422543.5	491926.8	-28494.0	366649.3	-1.9
1647	3	1 env SL~1 MAX	1600	2313562.8	1972049.5	-542305.6	-18642.7	-363673.3	-1.3	
				1590	2313562.8	422543.5	-546129.5	39425.6	-371037.0	-1.3
				1070	1.08e+007	422543.5	820203.2	40930.0	1337041.0	-1.3
				1078	1.08e+007	1972049.5	811677.7	-23875.0	1326424.8	-1.3
			MIN	1600	-1.08e+007	-422543.5	-779292.4	-35685.9	-864777.1	-1.9
				1590	-1.08e+007	-1972049.5	-787036.5	20083.5	-879581.9	-1.9
				1070	-2313562.8	-1972049.5	575910.2	22700.2	738241.5	-1.9
				1078	-2313562.8	-422543.5	571938.8	-42905.6	733127.1	-1.9
1648	3	1 env SL~1 MAX	1078	2313562.8	1972049.5	-620867.7	-32762.1	-731956.6	-1.3	
				1070	2313562.8	422543.5	-623010.7	55977.6	-738952.9	-1.3
				1071	1.08e+007	422543.5	932145.8	60793.8	1849742.9	-1.3
				1079	1.08e+007	1972049.5	925580.2	-37447.1	1834468.4	-1.3
			MIN	1078	-1.08e+007	-422543.5	-893746.6	-53243.7	-1325370.7	-1.9
				1070	-1.08e+007	-1972049.5	-898415.6	33756.0	-1339231.3	-1.9
				1071	-2313562.8	-1972049.5	653262.5	38418.9	1158913.6	-1.9
				1079	-2313562.8	-422543.5	650029.7	-58840.6	1151063.8	-1.9
1649	3	1 env SL~1 MAX	1079	2313562.8	1972049.5	-695841.9	-48955.6	-1152131.4	-1.3	
				1071	2313562.8	422543.5	-698860.4	74060.6	-1158522.5	-1.3
				1072	1.08e+007	422543.5	1041194.8	80608.2	2411189.3	-1.3
				1080	1.08e+007	1972049.5	1035888.3	-54042.4	2390801.5	-1.3
			MIN	1079	-1.08e+007	-422543.5	-1003823.8	-72909.2	-1837194.8	-1.9
				1071	-1.08e+007	-1972049.5	-1007903.9	49214.1	-1849846.7	-1.9
				1072	-2313562.8	-1972049.5	728845.3	54786.6	1629950.3	-1.9
				1080	-2313562.8	-422543.5	725270.9	-78746.8	1619137.9	-1.9
1650	3	1 env SL~1 MAX	1081	2313562.8	1972049.5	864791.5	1433.5	-9319.2	-1.3	
				1073	2313562.8	422543.5	857732.3	39455.9	533.9	-1.3

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				1074	1.08e+007	422543.5	-407256.7	32751.8	731063.1	-1.3
				1082	1.08e+007	1972049.5	-381062.6	6089.1	739625.2	-1.3
			MIN	1081	-1.08e+007	-422543.5	410175.3	-46661.2	-1297519.9	-1.9
				1073	-1.08e+007	-1972049.5	437558.0	-1962.2	-1286478.8	-1.9
				1074	-2313562.8	-1972049.5	-829160.2	-3416.6	-273182.0	-1.9
				1082	-2313562.8	-422543.5	-828008.2	-40333.5	-256967.6	-1.9
1651	3	1 env SL~1 MAX	1082	2313562.8	1972049.5	740657.9	9484.2	263111.8	-1.3	
				1074	2313562.8	422543.5	740673.6	19992.7	277227.9	-1.3
				1075	1.08e+007	422543.5	-327332.9	14151.7	249757.6	-1.3
				1083	1.08e+007	1972049.5	-311565.5	11089.0	258345.4	-1.3
			MIN	1082	-1.08e+007	-422543.5	343340.7	-27456.0	-733848.8	-1.9
				1074	-1.08e+007	-1972049.5	354971.6	-13749.0	-728661.4	-1.9
				1075	-2313562.8	-1972049.5	-712110.9	-14284.7	-500334.8	-1.9
				1083	-2313562.8	-422543.5	-703865.3	-21532.0	-480497.8	-1.9
1652	3	1 env SL~1 MAX	1083	2313562.8	1972049.5	620194.0	17220.2	490279.7	-1.3	
				1075	2313562.8	422543.5	624532.4	4486.7	502292.2	-1.3
				1591	1.08e+007	422543.5	-246079.3	-1476.2	-155869.6	-1.3
				1601	1.08e+007	1972049.5	-240196.8	16285.0	-146976.8	-1.3
			MIN	1083	-1.08e+007	-422543.5	272612.4	-9915.1	-248655.4	-1.9
				1075	-1.08e+007	-1972049.5	273077.6	-20173.9	-247024.5	-1.9
				1591	-2313562.8	-1972049.5	-595148.1	-23102.2	-676242.4	-1.9
				1601	-2313562.8	-422543.5	-584223.0	-4975.4	-656271.2	-1.9
1653	3	1 env SL~1 MAX	1601	2313562.8	1972049.5	503894.7	23461.2	667436.3	-1.3	
				1591	2313562.8	422543.5	508870.1	-7029.2	676096.1	-1.3
				1592	1.08e+007	422543.5	-165233.2	-11414.4	-398774.3	-1.3
				1602	1.08e+007	1972049.5	-167983.8	20028.6	-388913.0	-1.3
			MIN	1601	-1.08e+007	-422543.5	200717.1	5060.8	158565.1	-1.9
				1591	-1.08e+007	-1972049.5	191913.8	-24853.8	158582.4	-1.9
				1592	-2313562.8	-1972049.5	-478988.1	-29553.0	-800645.1	-1.9
				1602	-2313562.8	-422543.5	-468421.5	6425.7	-781990.2	-1.9
1654	3	1 env SL~1 MAX	1602	2313562.8	1972049.5	390606.7	27830.9	792971.7	-1.3	
				1592	2313562.8	422543.5	393535.9	-13855.4	798310.3	-1.3
				1593	1.08e+007	422543.5	-84895.4	-18238.8	-559933.7	-1.3
				1603	1.08e+007	1972049.5	-95292.2	22403.0	-550610.0	-1.3
			MIN	1602	-1.08e+007	-422543.5	128123.1	13028.6	397788.9	-1.9
				1592	-1.08e+007	-1972049.5	111478.4	-27673.3	399028.0	-1.9
				1593	-2313562.8	-1972049.5	-363492.0	-33829.5	-873101.4	-1.9
				1603	-2313562.8	-422543.5	-355295.3	12501.9	-856464.1	-1.9

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1655	3	1	env SL~1	MAX	1603	2313562.8	1972049.5	279319.1	30266.1	866203.5	-1.3
					1593	2313562.8	422543.5	278564.5	-18798.9	868699.2	-1.3
					1594	1.08e+007	422543.5	-5065.2	-23167.0	-668715.6	-1.3
					1604	1.08e+007	1972049.5	-22206.3	25262.0	-660324.4	-1.3
				MIN	1603	-1.08e+007	-422543.5	54956.6	18619.5	558863.1	-1.9
					1593	-1.08e+007	-1972049.5	31728.8	-28688.0	559198.8	-1.9
					1594	-2313562.8	-1972049.5	-248537.7	-35965.7	-951474.3	-1.9
					1604	-2313562.8	-422543.5	-243990.6	16746.7	-939825.9	-1.9
1656	3	1	env SL~1	MAX	1604	2313562.8	1972049.5	169237.5	32715.8	949875.1	-1.3
					1594	2313562.8	422543.5	163987.2	-21819.0	949381.8	-1.3
					1076	1.08e+007	422543.5	74355.4	-26146.7	-725112.6	-1.3
					1084	1.08e+007	1972049.5	51282.2	29692.2	-717985.3	-1.3
				MIN	1604	-1.08e+007	-422543.5	-18799.4	22165.3	667234.4	-1.9
					1594	-1.08e+007	-1972049.5	-47424.3	-33824.1	666941.6	-1.9
					1076	-2313562.8	-1972049.5	-134003.4	-38303.5	-1041194.1	-1.9
					1084	-2313562.8	-422543.5	-133865.9	19268.3	-1031281.0	-1.9
1657	3	1	env SL~1	MAX	1084	2313562.8	1972049.5	59723.5	35233.9	1038536.1	-1.3
					1076	2313562.8	422543.5	49741.3	-22920.7	1037607.1	-1.3
					1595	1.08e+007	422543.5	153492.4	-27121.3	-729120.5	-1.3
					1605	1.08e+007	1972049.5	125277.3	31607.7	-723528.0	-1.3
				MIN	1084	-1.08e+007	-422543.5	-93243.4	23782.6	723063.7	-1.9
					1076	-1.08e+007	-1972049.5	-126112.4	-36331.3	722327.7	-1.9
					1595	-2313562.8	-1972049.5	-19725.0	-40090.9	-1054898.8	-1.9
					1605	-2313562.8	-422543.5	-24384.4	20105.7	-1047099.3	-1.9
1658	3	1	env SL~1	MAX	1605	2313562.8	1972049.5	-48373.9	35102.0	1051162.9	-1.3
					1595	2313562.8	422543.5	-63317.9	-21110.5	1049929.0	-1.3
					1596	1.08e+007	422543.5	232474.8	-26038.9	-639644.4	-1.3
					1606	1.08e+007	1972049.5	199974.0	31006.2	-633796.2	-1.3
				MIN	1605	-1.08e+007	-422543.5	-168547.0	23552.6	726508.3	-1.9
					1595	-1.08e+007	-1972049.5	-204487.9	-36046.2	725422.9	-1.9
					1596	-2313562.8	-1972049.5	93285.7	-38914.1	-998428.3	-1.9
					1606	-2313562.8	-422543.5	79570.0	17565.5	-995014.3	-1.9
1659	3	1	env SL~1	MAX	1606	2313562.8	1972049.5	-124310.2	32374.8	993913.0	-1.3
					1596	2313562.8	422543.5	-143605.4	-15140.5	994499.4	-1.3
					1077	1.08e+007	422543.5	311411.9	-22661.0	-450030.0	-1.3
					1085	1.08e+007	1972049.5	275679.6	27810.8	-447458.9	-1.3
				MIN	1606	-1.08e+007	-422543.5	-244968.1	21506.5	634730.8	-1.9
					1596	-1.08e+007	-1972049.5	-282709.4	-33023.3	629976.1	-1.9

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				1077	-2313562.8	-1972049.5	172145.3	-34857.7	-872784.3	-1.9
				1085	-2313562.8	-422543.5	155184.3	12271.8	-871521.9	-1.9
1660	3	1	env SL~1 MAX	1085	2313562.8	1972049.5	-201080.0	27078.5	867343.6	-1.3
				1077	2313562.8	422543.5	-222119.9	-7524.3	867871.9	-1.3
				1597	1.08e+007	422543.5	390374.1	-13699.7	-207715.2	-1.3
				1607	1.08e+007	1972049.5	352850.8	21878.5	-208803.5	-1.3
			MIN	1085	-1.08e+007	-422543.5	-322880.9	15237.3	446488.0	-1.9
				1077	-1.08e+007	-1972049.5	-360930.1	-27336.9	440113.1	-1.9
				1597	-2313562.8	-1972049.5	251046.6	-28097.6	-670907.8	-1.9
				1607	-2313562.8	-422543.5	231567.3	5038.0	-672048.1	-1.9
1661	3	1	env SL~1 MAX	1607	2313562.8	1972049.5	-279131.6	19045.5	665313.1	-1.3
				1597	2313562.8	422543.5	-300745.1	1656.1	665372.1	-1.3
				1598	1.08e+007	422543.5	469375.5	-2431.7	87517.1	-1.3
				1608	1.08e+007	1972049.5	432156.0	13007.4	82301.3	-1.3
			MIN	1607	-1.08e+007	-422543.5	-402826.1	6472.4	206440.1	-1.9
				1597	-1.08e+007	-1972049.5	-439291.5	-19085.8	198120.0	-1.9
				1598	-2313562.8	-1972049.5	330043.7	-18372.2	-392662.0	-1.9
				1608	-2313562.8	-422543.5	309246.8	-4336.7	-396420.8	-1.9
1662	3	1	env SL~1 MAX	1608	2313562.8	1972049.5	-359056.8	8023.2	387915.1	-1.3
				1598	2313562.8	422543.5	-379610.9	12284.9	386990.2	-1.3
				1599	1.08e+007	422543.5	575483.6	11103.8	436004.7	-1.3
				1609	1.08e+007	1972049.5	546400.6	948.7	426246.1	-1.3
			MIN	1608	-1.08e+007	-422543.5	-513476.8	-4690.4	-85410.0	-1.9
				1598	-1.08e+007	-1972049.5	-543052.1	-8395.8	-96128.4	-1.9
				1599	-2313562.8	-1972049.5	409139.0	-5702.8	-37854.4	-1.9
				1609	-2313562.8	-422543.5	388942.7	-16075.6	-44299.5	-1.9
1663	3	1	env SL~1 MAX	1609	2313562.8	1972049.5	-441687.7	-6328.7	35046.2	-1.3
				1599	2313562.8	422543.5	-458849.2	24230.9	32661.6	-1.3
				1600	1.08e+007	422543.5	690396.0	26767.4	838240.3	-1.3
				1610	1.08e+007	1972049.5	665251.4	-14055.5	823966.5	-1.3
			MIN	1609	-1.08e+007	-422543.5	-632327.0	-18679.0	-429379.6	-1.9
				1599	-1.08e+007	-1972049.5	-657965.1	4523.3	-442879.8	-1.9
				1600	-2313562.8	-1972049.5	488291.8	9738.3	350635.8	-1.9
				1610	-2313562.8	-422543.5	471659.0	-30376.8	342328.4	-1.9
1664	3	1	env SL~1 MAX	1610	2313562.8	1972049.5	-528189.0	-19736.0	-346639.9	-1.3
				1600	2313562.8	422543.5	-538678.9	37412.4	-353611.8	-1.3
				1078	1.08e+007	422543.5	805403.5	44057.4	1294842.9	-1.3
				1086	1.08e+007	1972049.5	789994.4	-27604.1	1277548.6	-1.3

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			MIN	1610	-1.08e+007	-422543.5	-756344.3	-36089.1	-826445.1	-1.9
				1600	-1.08e+007	-1972049.5	-773698.3	19091.7	-842559.2	-1.9
				1078	-2313562.8	-1972049.5	567463.5	24719.8	716350.2	-1.9
				1086	-2313562.8	-422543.5	558818.3	-47414.7	706350.8	-1.9
1665	3	1 env SL~1 MAX	1086	2313562.8	1972049.5	-620515.7	-36185.9	-709686.6	-1.3	
			1078	2313562.8	422543.5	-619300.6	52091.9	-717520.7	-1.3	
			1079	1.08e+007	422543.5	920906.0	62572.2	1806815.2	-1.3	
			1087	1.08e+007	1972049.5	923075.0	-42820.0	1791051.8	-1.3	
			MIN	1086	-1.08e+007	-422543.5	-888100.5	-57509.2	-1278815.1	-1.9
				1078	-1.08e+007	-1972049.5	-890525.3	31917.3	-1295897.0	-1.9
				1079	-2313562.8	-1972049.5	646936.4	39617.4	1136314.8	-1.9
				1087	-2313562.8	-422543.5	652293.8	-66426.5	1127284.3	-1.9
1666	3	1 env SL~1 MAX	1087	2313562.8	1972049.5	-720131.2	-56043.1	-1129286.5	-1.3	
			1079	2313562.8	422543.5	-701890.2	69177.7	-1135247.2	-1.3	
			1080	1.08e+007	422543.5	1037817.2	78758.3	2374542.7	-1.3	
			1088	1.08e+007	1972049.5	1066756.0	-60052.8	2373325.3	-1.3	
			MIN	1087	-1.08e+007	-422543.5	-1029364.9	-83657.6	-1791318.1	-1.9
				1079	-1.08e+007	-1972049.5	-1009853.1	46785.3	-1804088.7	-1.9
				1080	-2313562.8	-1972049.5	727367.8	54054.2	1610794.8	-1.9
				1088	-2313562.8	-422543.5	754067.5	-87757.3	1610171.7	-1.9
1667	3	1 env SL~1 MAX	1089	2313562.8	1972049.5	897907.9	-0.5	-152846.6	-1.3	
			1081	2313562.8	422543.5	886837.8	46665.0	-88954.2	-1.3	
			1082	1.08e+007	422543.5	-422625.9	47318.7	766024.0	-1.3	
			1090	1.08e+007	1972049.5	-501880.9	-11958.7	789391.0	-1.3	
			MIN	1089	-1.08e+007	-422543.5	536765.9	-81.1	-1366848.2	-1.9
				1081	-1.08e+007	-1972049.5	447154.8	-1423.2	-1342870.5	-1.9
				1082	-2313562.8	-1972049.5	-832931.8	-3660.3	-211552.9	-1.9
				1090	-2313562.8	-422543.5	-886458.7	-18143.0	-175304.8	-1.9
1668	3	1 env SL~1 MAX	1090	2313562.8	1972049.5	802713.0	18165.0	175441.9	-1.3	
			1082	2313562.8	422543.5	753091.4	20470.8	205408.6	-1.3	
			1083	1.08e+007	422543.5	-336740.4	28660.6	269149.9	-1.3	
			1091	1.08e+007	1972049.5	-415061.8	-14903.8	288457.9	-1.3	
			MIN	1090	-1.08e+007	-422543.5	451634.2	11974.6	-789279.1	-1.9
				1082	-1.08e+007	-1972049.5	359581.9	-11913.0	-771800.4	-1.9
				1083	-2313562.8	-1972049.5	-707920.8	-10696.9	-458186.2	-1.9
				1091	-2313562.8	-422543.5	-782528.3	-22431.2	-437540.8	-1.9
1669	3	1 env SL~1 MAX	1091	2313562.8	1972049.5	698874.4	22451.4	437696.5	-1.3	

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				1083	2313562.8	422543.5	624401.4	2786.5	448404.4	-1.3
				1601	1.08e+007	422543.5	-254864.7	9815.3	-147948.4	-1.3
				1611	1.08e+007	1972049.5	-325441.0	-14362.5	-135174.8	-1.3
			MIN	1091	-1.08e+007	-422543.5	364792.2	14916.0	-288313.3	-1.9
				1083	-1.08e+007	-1972049.5	274927.4	-17612.2	-278839.9	-1.9
				1601	-2313562.8	-1972049.5	-588254.9	-18551.0	-649176.5	-1.9
				1611	-2313562.8	-422543.5	-669665.6	-22428.1	-638815.1	-1.9
1670	3	1	env SL~1 MAX	1611	2313562.8	1972049.5	586078.4	22428.5	638965.6	-1.3
				1601	2313562.8	422543.5	501392.4	-7825.7	638011.5	-1.3
				1602	1.08e+007	422543.5	-175744.1	-5586.1	-392789.0	-1.3
				1612	1.08e+007	1972049.5	-233589.7	-11443.1	-387811.0	-1.3
			MIN	1611	-1.08e+007	-422543.5	275169.3	14362.6	135338.7	-1.9
				1601	-1.08e+007	-1972049.5	193578.4	-21195.2	136360.1	-1.9
				1602	-2313562.8	-1972049.5	-472414.9	-24552.1	-784689.8	-1.9
				1612	-2313562.8	-422543.5	-549700.6	-20128.8	-781537.7	-1.9
1671	3	1	env SL~1 MAX	1612	2313562.8	1972049.5	466159.3	20131.0	781667.9	-1.3
				1602	2313562.8	422543.5	383039.0	-13553.4	773708.3	-1.3
				1603	1.08e+007	422543.5	-98464.0	-13606.6	-559143.0	-1.3
				1613	1.08e+007	1972049.5	-140279.1	-7705.3	-558702.6	-1.3
			MIN	1612	-1.08e+007	-422543.5	183318.2	11445.5	387929.1	-1.9
				1602	-1.08e+007	-1972049.5	114838.8	-23307.5	383913.1	-1.9
				1603	-2313562.8	-1972049.5	-359510.4	-28525.3	-865130.9	-1.9
				1613	-2313562.8	-422543.5	-424332.6	-16353.4	-867106.5	-1.9
1672	3	1	env SL~1 MAX	1613	2313562.8	1972049.5	340822.7	16355.0	867205.0	-1.3
				1603	2313562.8	422543.5	268295.9	-17514.9	855391.4	-1.3
				1604	1.08e+007	422543.5	-22351.6	-19057.5	-671555.3	-1.3
				1614	1.08e+007	1972049.5	-46275.6	-3560.2	-674846.6	-1.3
			MIN	1613	-1.08e+007	-422543.5	90007.5	7706.8	558805.9	-1.9
				1603	-1.08e+007	-1972049.5	38033.6	-26155.2	550889.8	-1.9
				1604	-2313562.8	-1972049.5	-248670.3	-30594.7	-957182.0	-1.9
				1614	-2313562.8	-422543.5	-295093.1	-11590.4	-962646.9	-1.9
1673	3	1	env SL~1 MAX	1614	2313562.8	1972049.5	211603.5	11592.1	962765.6	-1.3
				1604	2313562.8	422543.5	156232.7	-19854.5	947132.8	-1.3
				1084	1.08e+007	422543.5	53177.5	-22448.3	-730245.0	-1.3
				1092	1.08e+007	1972049.5	47643.4	712.7	-736348.4	-1.3
			MIN	1614	-1.08e+007	-422543.5	-3998.3	3561.7	674925.2	-1.9
				1604	-1.08e+007	-1972049.5	-37408.7	-30308.5	664645.4	-1.9
				1084	-2313562.8	-1972049.5	-139093.4	-33130.2	-1049888.8	-1.9
				1092	-2313562.8	-422543.5	-163387.5	-6212.0	-1059551.0	-1.9

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1674 3 1 env SL~1 MAX 1092 2313562.8 1972049.5 79909.0 6213.8 1059622.6 -1.3
1084 2313562.8 422543.5 46045.1 -20602.6 1042633.6 -1.3
1605 1.08e+007 422543.5 128635.6 -23941.6 -735433.4 -1.3
1615 1.08e+007 1972049.5 140683.5 4882.3 -743351.2 -1.3

MIN 1092 -1.08e+007 -422543.5 -97923.0 -711.3 736395.9 -1.9
1084 -1.08e+007 -1972049.5 -111982.3 -32090.8 725166.6 -1.9
1605 -2313562.8 -1972049.5 -30059.1 -35454.1 -1064945.7 -1.9
1615 -2313562.8 -422543.5 -30539.8 -546.4 -1077370.6 -1.9

1675 3 1 env SL~1 MAX 1615 2313562.8 1972049.5 -50487.9 548.1 1077390.5 -1.3
1605 2313562.8 422543.5 -60085.2 -18258.9 1060882.1 -1.3
1606 1.08e+007 422543.5 204504.6 -23649.4 -644842.1 -1.3
1616 1.08e+007 1972049.5 232014.2 8734.5 -653310.9 -1.3

MIN 1615 -1.08e+007 -422543.5 -190973.1 -4881.0 743364.5 -1.9
1605 -1.08e+007 -1972049.5 -186131.9 -31465.4 732453.1 -1.9
1606 -2313562.8 -1972049.5 78557.1 -35216.4 -1008258.9 -1.9
1616 -2313562.8 -422543.5 91167.3 3720.1 -1022623.9 -1.9

1676 3 1 env SL~1 MAX 1616 2313562.8 1972049.5 -141469.4 -3718.9 1022583.6 -1.3
1606 2313562.8 422543.5 -134845.6 -12991.5 1009360.2 -1.3
1085 1.08e+007 422543.5 281263.4 -21627.4 -456530.1 -1.3
1093 1.08e+007 1972049.5 320746.1 12057.2 -463587.2 -1.3

MIN 1616 -1.08e+007 -422543.5 -282319.0 -8733.3 653256.3 -1.9
1606 -1.08e+007 -1972049.5 -260276.6 -28309.4 643907.5 -1.9
1085 -2313562.8 -1972049.5 154797.8 -32506.9 -880611.6 -1.9
1093 -2313562.8 -422543.5 180931.2 7257.0 -894475.8 -1.9

1677 3 1 env SL~1 MAX 1093 2313562.8 1972049.5 -231245.0 -7255.9 894389.4 -1.3
1085 2313562.8 422543.5 -209668.0 -5721.1 884789.8 -1.3
1607 1.08e+007 422543.5 359413.3 -15332.8 -215893.6 -1.3
1617 1.08e+007 1972049.5 405901.1 15463.2 -220477.5 -1.3

MIN 1093 -1.08e+007 -422543.5 -371072.5 -12056.2 463505.6 -1.9
1085 -1.08e+007 -1972049.5 -334828.1 -22423.6 457501.0 -1.9
1607 -2313562.8 -1972049.5 231781.1 -27382.2 -676278.2 -1.9
1617 -2313562.8 -422543.5 268545.8 10331.5 -687924.7 -1.9

1678 3 1 env SL~1 MAX 1617 2313562.8 1972049.5 -318878.5 -10330.5 687801.9 -1.3
1607 2313562.8 422543.5 -284982.7 3822.4 683013.2 -1.3
1608 1.08e+007 422543.5 439500.2 -6920.1 76576.5 -1.3
1618 1.08e+007 1972049.5 499281.0 19154.3 75203.3 -1.3

MIN 1617 -1.08e+007 -422543.5 -459028.7 -15461.8 220380.0 -1.9

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				1607	-1.08e+007	-1972049.5	-410204.1	-13535.2	218256.9	-1.9
				1608	-2313562.8	-1972049.5	310277.3	-19676.2	-395595.8	-1.9
				1618	-2313562.8	-422543.5	352997.8	12724.2	-403401.1	-1.9
1679	3	1	env SL~1 MAX	1618	2313562.8	1972049.5	-403358.2	-12723.7	403256.1	-1.3
				1608	2313562.8	422543.5	-361233.3	15947.3	404101.5	-1.3
				1609	1.08e+007	422543.5	548469.6	3774.8	420464.2	-1.3
				1619	1.08e+007	1972049.5	617082.1	21540.5	422253.7	-1.3
			MIN	1618	-1.08e+007	-422543.5	-582841.8	-19153.4	-75302.5	-1.9
				1608	-1.08e+007	-1972049.5	-517354.7	-1304.4	-73467.8	-1.9
				1609	-2313562.8	-1972049.5	390847.5	-9132.8	-38853.6	-1.9
				1619	-2313562.8	-422543.5	433157.8	14210.2	-41611.1	-1.9
1680	3	1	env SL~1 MAX	1619	2313562.8	1972049.5	-483558.3	-14208.9	41462.7	-1.3
				1609	2313562.8	422543.5	-438868.5	30979.8	48106.9	-1.3
				1610	1.08e+007	422543.5	668702.9	17300.5	815594.6	-1.3
				1620	1.08e+007	1972049.5	727083.5	22254.5	818738.1	-1.3
			MIN	1619	-1.08e+007	-422543.5	-700697.3	-21538.6	-422338.3	-1.9
				1609	-1.08e+007	-1972049.5	-629733.8	14193.2	-417330.7	-1.9
				1610	-2313562.8	-1972049.5	474117.0	4413.9	341913.2	-1.9
				1620	-2313562.8	-422543.5	507723.7	14564.9	342984.0	-1.9
1681	3	1	env SL~1 MAX	1620	2313562.8	1972049.5	-558182.3	-14567.0	-343057.1	-1.3
				1610	2313562.8	422543.5	-518353.0	49165.4	-337601.7	-1.3
				1086	1.08e+007	422543.5	793725.3	34477.5	1262341.9	-1.3
				1094	1.08e+007	1972049.5	827207.8	20734.5	1261394.1	-1.3
			MIN	1620	-1.08e+007	-422543.5	-810777.1	-22256.5	-818791.4	-1.9
				1610	-1.08e+007	-1972049.5	-744800.7	28533.2	-813116.0	-1.9
				1086	-2313562.8	-1972049.5	560741.4	18338.5	704226.1	-1.9
				1094	-2313562.8	-422543.5	575207.8	13406.7	705251.2	-1.9
1682	3	1	env SL~1 MAX	1094	2313562.8	1972049.5	-625753.1	-13413.1	-705298.8	-1.3
				1086	2313562.8	422543.5	-599810.0	70446.4	-700890.3	-1.3
				1087	1.08e+007	422543.5	924370.4	57434.1	1762517.9	-1.3
				1095	1.08e+007	1972049.5	914812.6	16273.6	1744153.8	-1.3
			MIN	1094	-1.08e+007	-422543.5	-911017.7	-20724.1	-1261405.1	-1.9
				1086	-1.08e+007	-1972049.5	-862810.0	45451.5	-1261075.3	-1.9
				1087	-2313562.8	-1972049.5	651292.3	36096.7	1119790.9	-1.9
				1095	-2313562.8	-422543.5	633684.7	9599.5	1113399.7	-1.9
1683	3	1	env SL~1 MAX	1095	2313562.8	1972049.5	-684364.6	-9481.7	-1113425.9	-1.3
				1087	2313562.8	422543.5	-684220.9	92650.0	-1117788.7	-1.3
				1088	1.08e+007	422543.5	1059550.3	87769.5	2319469.9	-1.3

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				2096	1.08e+007	1972049.5	989875.6	-89.9	2257506.2	-1.3
		MIN	1095	-1.08e+007	-422543.5	-998799.4	-16187.6	-1744137.3	-1.9	
			1087	-1.08e+007	-1972049.5	-985271.3	62766.4	-1762251.7	-1.9	
			1088	-2313562.8	-1972049.5	745078.9	60065.3	1590217.6	-1.9	
			1096	-2313562.8	-422543.5	682920.5	-135.9	1562224.9	-1.9	
1684	3	2 env SL~1 MAX	2099	6477.7	1991770.0	-69.8	0.0	0.0	-23.1	
			1089	6477.7	426768.9	5321.8	81.9	-1225.1	-23.1	
			1090	30232.2	426768.9	-777.9	-1.0	3407.9	-23.1	
			2100	30232.2	1991770.0	-2094.5	84.5	1147.0	-23.1	
		MIN	2099	-30232.2	-426768.9	-118.1	-0.0	0.0	-34.2	
			1089	-30232.2	-1991770.0	3363.1	5.9	-7893.7	-34.2	
			1090	-6477.7	-1991770.0	-1141.1	-67.9	748.6	-34.2	
			2100	-6477.7	-426768.9	-3896.6	-39.9	-1638.4	-34.2	
1685	3	2 env SL~1 MAX	2100	6477.7	1991770.0	3660.4	39.9	1638.4	-23.1	
			1090	6477.7	426768.9	1006.2	108.9	-885.7	-23.1	
			1091	30232.2	426768.9	-1160.6	-64.8	705.1	-23.1	
			2101	30232.2	1991770.0	-1384.3	108.2	955.5	-23.1	
		MIN	2100	-30232.2	-426768.9	1954.9	-84.5	-1147.0	-34.2	
			1090	-30232.2	-1991770.0	704.7	-27.5	-3519.7	-34.2	
			1091	-6477.7	-1991770.0	-2315.1	-137.5	-1535.3	-34.2	
			2101	-6477.7	-426768.9	-2168.4	47.4	-948.9	-34.2	
1686	3	2 env SL~1 MAX	2101	6477.7	1991770.0	1932.2	-47.4	948.9	-23.1	
			1091	6477.7	426768.9	2137.4	110.2	1379.6	-23.1	
			1611	30232.2	426768.9	-997.3	-76.2	-719.3	-23.1	
			2102	30232.2	1991770.0	-988.6	127.3	-75.1	-23.1	
		MIN	2101	-30232.2	-426768.9	1244.7	-108.2	-955.5	-34.2	
			1091	-30232.2	-1991770.0	907.5	52.6	-849.7	-34.2	
			1611	-6477.7	-1991770.0	-1816.2	-130.9	-2242.8	-34.2	
			2102	-6477.7	-426768.9	-2058.4	72.4	-1448.8	-34.2	
1687	3	2 env SL~1 MAX	2102	6477.7	1991770.0	1822.2	-72.4	1448.8	-23.1	
			1611	6477.7	426768.9	1571.9	130.9	2092.2	-23.1	
			1612	30232.2	426768.9	-694.3	-88.1	-1520.8	-23.1	
			2103	30232.2	1991770.0	-734.6	129.4	-745.2	-23.1	
		MIN	2102	-30232.2	-426768.9	848.9	-127.3	75.1	-34.2	
			1611	-30232.2	-1991770.0	746.3	75.5	567.0	-34.2	
			1612	-6477.7	-1991770.0	-1563.8	-135.2	-2798.3	-34.2	
			2103	-6477.7	-426768.9	-1647.2	84.3	-1738.9	-34.2	

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1688 3 2 env SL~1 MAX 2103 6477.7 1991770.0 1411.0 -84.3 1738.9 -23.1
 1612 6477.7 426768.9 1273.6 132.9 2668.1 -23.1
 1613 30232.2 426768.9 -445.0 -83.1 -2099.5 -23.1
 2104 30232.2 1991770.0 -426.7 122.9 -1159.5 -23.1

MIN 2103 -30232.2 -426768.9 594.9 -129.4 745.2 -34.2
 1612 -30232.2 -1991770.0 443.2 86.6 1402.7 -34.2
 1613 -6477.7 -1991770.0 -1224.5 -126.9 -3100.1 -34.2
 2104 -6477.7 -426768.9 -1277.2 80.4 -1936.1 -34.2

1689 3 2 env SL~1 MAX 2104 6477.7 1991770.0 1041.0 -80.4 1936.1 -23.1
 1613 6477.7 426768.9 902.8 125.3 3001.6 -23.1
 1614 30232.2 426768.9 -173.6 -67.0 -2484.6 -23.1
 2105 30232.2 1991770.0 -141.0 100.4 -1443.1 -23.1

MIN 2104 -30232.2 -426768.9 287.1 -122.9 1159.5 -34.2
 1613 -30232.2 -1991770.0 193.9 82.0 1996.2 -34.2
 1614 -6477.7 -1991770.0 -875.3 -103.5 -3573.6 -34.2
 2105 -6477.7 -426768.9 -885.4 65.5 -2037.4 -34.2

1690 3 2 env SL~1 MAX 2105 6477.7 1991770.0 649.2 -65.5 2037.4 -23.1
 1614 6477.7 426768.9 533.3 101.7 3454.9 -23.1
 1092 30232.2 426768.9 92.6 -34.4 -2681.2 -23.1
 2106 30232.2 1991770.0 147.6 67.2 -1593.2 -23.1

MIN 2105 -30232.2 -426768.9 1.3 -100.4 1443.1 -34.2
 1614 -30232.2 -1991770.0 -75.2 65.6 2406.0 -34.2
 1092 -6477.7 -1991770.0 -512.5 -69.2 -3881.8 -34.2
 2106 -6477.7 -426768.9 -487.0 33.7 -2275.2 -34.2

1691 3 2 env SL~1 MAX 2106 6477.7 1991770.0 250.8 -33.7 2275.2 -23.1
 1092 6477.7 426768.9 159.5 67.5 3810.1 -23.1
 1615 30232.2 426768.9 358.9 -2.9 -2693.9 -23.1
 2107 30232.2 1991770.0 430.4 28.8 -1607.7 -23.1

MIN 2106 -30232.2 -426768.9 -287.3 -67.2 1593.2 -34.2
 1092 -30232.2 -1991770.0 -335.7 33.0 2633.7 -34.2
 1615 -6477.7 -1991770.0 -142.5 -29.7 -3923.5 -34.2
 2107 -6477.7 -426768.9 -84.8 3.0 -2316.0 -34.2

1692 3 2 env SL~1 MAX 2107 6477.7 1991770.0 -145.8 -3.0 2316.0 -23.1
 1615 6477.7 426768.9 -189.6 28.0 3903.6 -23.1
 1616 30232.2 426768.9 621.7 26.2 -2378.6 -23.1
 2108 30232.2 1991770.0 706.7 -5.6 -1371.7 -23.1

MIN 2107 -30232.2 -426768.9 -570.0 -28.8 1607.7 -34.2
 1615 -30232.2 -1991770.0 -591.9 1.6 2680.5 -34.2
 1616 -6477.7 -1991770.0 220.6 5.6 -3712.7 -34.2

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			2108	-6477.7	-426768.9	281.2	-26.1	-2180.1	-34.2
1693	3	2 env SL~1 MAX	2108	6477.7	1991770.0	-420.9	26.1	2180.1	-23.1
			1616	6477.7	426768.9	-441.1	-6.8	3753.9	-23.1
			1093	30232.2	426768.9	879.0	59.8	-1748.3	-23.1
			2109	30232.2	1991770.0	973.2	-26.3	-891.2	-23.1
		MIN	2108	-30232.2	-426768.9	-846.3	5.6	1371.7	-34.2
			1616	-30232.2	-1991770.0	-839.5	-27.9	2433.2	-34.2
			1093	-6477.7	-1991770.0	476.8	27.1	-3267.5	-34.2
			2109	-6477.7	-426768.9	551.6	-58.7	-1858.3	-34.2
1694	3	2 env SL~1 MAX	2109	6477.7	1991770.0	-691.2	58.7	1858.3	-23.1
			1093	6477.7	426768.9	-685.6	-28.1	3353.9	-23.1
			1617	30232.2	426768.9	1130.4	83.0	-946.2	-23.1
			2110	30232.2	1991770.0	1224.1	-39.6	-278.4	-23.1
		MIN	2109	-30232.2	-426768.9	-1112.9	26.3	891.2	-34.2
			1093	-30232.2	-1991770.0	-1075.3	-61.4	1829.9	-34.2
			1617	-6477.7	-1991770.0	729.6	41.1	-2565.5	-34.2
			2110	-6477.7	-426768.9	813.6	-80.8	-1341.9	-34.2
1695	3	2 env SL~1 MAX	2110	6477.7	1991770.0	-953.2	80.8	1341.9	-23.1
			1617	6477.7	426768.9	-919.7	-42.0	2688.3	-23.1
			1618	30232.2	426768.9	1374.6	90.2	27.3	-23.1
			2111	30232.2	1991770.0	1508.8	-35.6	458.3	-23.1
		MIN	2110	-30232.2	-426768.9	-1374.8	39.6	278.4	-34.2
			1617	-30232.2	-1991770.0	-1325.6	-84.5	1043.7	-34.2
			1618	-6477.7	-1991770.0	973.8	38.5	-1605.1	-34.2
			2111	-6477.7	-426768.9	1065.4	-87.0	-638.7	-34.2
1696	3	2 env SL~1 MAX	2111	6477.7	1991770.0	-1205.1	87.0	638.7	-23.1
			1618	6477.7	426768.9	-1136.1	-38.6	1750.0	-23.1
			1619	30232.2	426768.9	1740.1	77.9	1146.3	-23.1
			2112	30232.2	1991770.0	1833.3	-9.7	1332.0	-23.1
		MIN	2111	-30232.2	-426768.9	-1745.0	35.6	-458.3	-34.2
			1618	-30232.2	-1991770.0	-1645.4	-91.0	71.9	-34.2
			1619	-6477.7	-1991770.0	1225.0	13.1	-406.0	-34.2
			2112	-6477.7	-426768.9	1282.5	-73.8	261.4	-34.2
1697	3	2 env SL~1 MAX	2112	6477.7	1991770.0	-1422.2	73.8	-261.4	-23.1
			1619	6477.7	426768.9	-1347.2	-13.8	554.4	-23.1
			1620	30232.2	426768.9	1959.1	37.2	2455.7	-23.1
			2113	30232.2	1991770.0	2249.8	41.5	2276.3	-23.1

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			MIN	2112	-30232.2	-426768.9	-2069.5	9.7	-1332.0	-34.2	
				1619	-30232.2	-1991770.0	-1956.5	-79.7	-1061.7	-34.2	
				1620	-6477.7	-1991770.0	1366.2	-38.4	966.9	-34.2	
				2113	-6477.7	-426768.9	1569.5	-32.3	1051.6	-34.2	
1698	3	2	env SL~1	MAX	2113	6477.7	1991770.0	-1709.2	32.3	-1051.6	-23.1
					1620	6477.7	426768.9	-1430.3	40.2	-893.8	-23.1
					1094	30232.2	426768.9	2723.1	-3.2	3836.2	-23.1
					2114	30232.2	1991770.0	2042.9	76.4	3372.4	-23.1
			MIN	2113	-30232.2	-426768.9	-2486.0	-41.5	-2276.3	-34.2	
				1620	-30232.2	-1991770.0	-2097.1	-35.2	-2402.4	-34.2	
				1094	-6477.7	-1991770.0	1911.7	-68.3	2083.8	-34.2	
				2114	-6477.7	-426768.9	1394.2	11.4	1984.8	-34.2	
1699	3	2	env SL~1	MAX	2114	6477.7	1991770.0	-1533.8	-11.4	-1984.8	-23.1
					1094	6477.7	426768.9	-1889.0	74.8	-2036.2	-23.1
					1095	30232.2	426768.9	930.5	-120.0	5332.1	-23.1
					2115	30232.2	1991770.0	4293.4	204.9	4780.9	-23.1
			MIN	2114	-30232.2	-426768.9	-2279.1	-76.4	-3372.4	-34.2	
				1094	-30232.2	-1991770.0	-2744.8	-6.3	-3825.2	-34.2	
				1095	-6477.7	-1991770.0	582.8	-221.1	3670.0	-34.2	
				2115	-6477.7	-426768.9	2957.7	117.8	2660.8	-34.2	
1700	3	2	env SL~1	MAX	2115	6477.7	1991770.0	-3097.4	-117.8	-2660.8	-23.1
					1095	6477.7	426768.9	-242.0	103.2	-3643.8	-23.1
					1096	30232.2	426768.9	5588.9	139.7	12470.7	-23.1
					2116	30232.2	1991770.0	-69.8	0.0	-0.0	-23.1
			MIN	2115	-30232.2	-426768.9	-4529.6	-204.9	-4780.9	-34.2	
				1095	-30232.2	-1991770.0	-789.2	53.2	-5272.5	-34.2	
				1096	-6477.7	-1991770.0	3807.9	94.7	8712.6	-34.2	
				2116	-6477.7	-426768.9	-118.1	-0.0	-0.0	-34.2	
1701	3	3	env SL~1	MAX	5001	3557796.7	1730825.4	-195644.4	4.7	2704806.0	-2.3
					2	8691160.5	5175003.2	1099922.2	207.2	-735628.7	0.0
					10	9022462.7	7045252.4	1153567.7	126707.0	-892426.3	0.0
					5009	2592594.2	1239473.8	-357540.2	100379.8	2669720.8	-1.9
			MIN	5001	-1.09e+007	-7151777.8	-1010626.2	0.3	1022406.2	-3.8	
				2	-3015308.5	-1264353.8	268661.2	-64231.7	-1974917.5	0.0	
				10	-3135082.4	-1705945.4	349878.7	-24068.7	-1938638.9	0.0	
				5009	-6791026.8	-5068477.8	-1179821.7	46380.2	1175969.7	-2.9	
1702	3	3	env SL~1	MAX	2	2976851.9	1257236.3	-280811.4	64231.7	1974917.5	0.0
					3	7107028.5	3795736.9	1023344.3	-6043.2	-298663.3	0.0

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			11	8375670.4	5125954.3	1024467.1	85750.2	-394459.6	0.0
			10	2521427.1	916768.5	-388598.7	62266.9	1923794.0	0.0
		MIN	2	-8736039.5	-5187351.6	-951611.1	-207.2	735628.7	0.0
			3	-2579796.9	-930540.3	349796.1	-49689.4	-1475643.2	0.0
			11	-2918482.1	-1243464.5	396412.4	3297.9	-1507676.2	0.0
			10	-6746659.4	-3734339.7	-1024309.5	27819.1	890759.6	0.0
1703	3	3 env SL~1 MAX	3	2541385.9	924499.6	-314168.0	49689.4	1475643.2	0.0
			501	5956476.2	2774026.4	930820.9	-6533.3	120116.3	0.0
			511	7773030.1	3772538.5	893259.8	58207.7	65904.6	0.0
			11	2422549.8	674299.2	-362865.2	46049.4	1502526.9	0.0
		MIN	3	-7151762.2	-3808781.5	-873099.5	6043.2	298663.3	0.0
			501	-2249385.1	-682130.2	358515.2	-40330.2	-1223232.7	0.0
			511	-2714550.6	-916668.6	383873.3	-3740.1	-1225261.6	0.0
			11	-6577744.1	-2737783.4	-879090.3	13265.8	429034.6	0.0
1704	3	3 env SL~1 MAX	501	2210978.0	677093.7	-303074.8	40330.2	1223232.7	0.0
			502	5134314.4	1983389.3	825941.1	-7008.3	512478.4	0.0
			512	7255679.1	2763101.9	767356.0	45818.7	479263.7	0.0
			511	2320363.6	484179.6	-329426.8	33719.2	1221068.2	0.0
		MIN	501	-6000906.9	-2787470.1	-779907.6	6533.3	-120116.3	0.0
			502	-1998885.9	-489260.0	341923.2	-32115.3	-945508.4	0.0
			512	-2532455.7	-672013.3	355933.8	-13059.5	-931019.1	0.0
			511	-6389086.5	-1959010.0	-741498.8	-4610.1	-41227.8	0.0
1705	3	3 env SL~1 MAX	502	1960452.7	485170.4	-283546.0	32115.3	945508.4	0.0
			503	4570231.8	1349897.3	711874.2	-7628.2	840557.1	0.0
			513	6834201.0	1981087.1	645437.1	32925.9	817031.0	0.0
			512	2225201.2	331431.5	-290534.1	23965.7	930465.4	0.0
		MIN	502	-5178332.5	-1997058.8	-675041.6	7008.3	-512478.4	0.0
			503	-1811310.6	-334544.7	317919.0	-24748.7	-655670.5	0.0
			513	-2374343.4	-482057.1	321516.3	-22841.2	-632241.6	0.0
			512	-6226100.3	-1333925.6	-610378.8	-19584.0	-461343.1	0.0
1706	3	3 env SL~1 MAX	503	1772830.1	331350.3	-256750.1	24748.7	655670.5	0.0
			504	4217140.0	819833.9	590798.3	-8067.8	1097965.7	0.0
			514	6513907.6	1353132.3	526663.1	20131.3	1078487.2	0.0
			513	2143470.5	203535.0	-247457.7	15899.8	636655.9	0.0
		MIN	503	-4613763.5	-1363528.7	-561163.2	7628.2	-840557.1	0.0
			504	-1675143.3	-205323.1	287470.8	-20763.0	-363499.6	0.0
			514	-2241157.3	-329543.7	282092.4	-31020.6	-335663.4	0.0
			513	-6117123.1	-809456.0	-484407.4	-30611.2	-804562.7	0.0

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1707 3 3 env SL~1 MAX 504 1636600.5 202977.2 -223466.8 20763.0 363499.6 0.0
 4 4046136.5 353548.1 501751.3 -8164.0 1281391.1 0.0
 12 6293767.5 827030.8 418759.1 7768.7 1263152.4 0.0
 514 2078603.0 91452.8 -200910.5 8931.2 345501.6 0.0

MIN 504 -4261632.1 -833235.6 -465146.0 8067.8 -1097965.7 0.0
 4 -1582842.6 -92253.1 251226.2 -23294.6 -76661.2 0.0
 12 -2132361.0 -202152.3 238506.5 -37322.6 -47414.9 0.0
 514 -6078271.9 -347367.9 -390009.2 -38587.0 -1070597.4 0.0

1708 3 3 env SL~1 MAX 4 1544227.8 90649.0 -158937.6 23294.6 76661.2 0.0
 505 4039154.7 13546.2 492744.1 -2879.5 1388291.3 0.0
 515 6169413.5 363638.6 396922.7 -3947.0 1370066.4 0.0
 12 2032660.9 85323.6 -123108.3 2637.2 62544.1 0.0

MIN 4 -4090690.9 -366477.2 -460837.2 8164.0 -1281391.1 0.0
 505 -1529960.5 -82516.3 174418.4 -24764.8 198515.7 0.0
 515 -2046928.2 -90609.0 179518.2 -41689.8 226883.6 0.0
 12 -6117877.2 -13554.9 -363474.3 -43955.2 -1259391.8 0.0

1709 3 3 env SL~1 MAX 505 1491268.2 70020.3 -30267.4 24764.8 -198515.7 0.0
 506 4191013.8 115955.4 472493.8 4559.7 1416230.0 0.0
 516 6137133.1 13447.8 369183.2 -14850.1 1397709.9 0.0
 515 2006904.8 513910.0 -18008.3 -3287.7 -207019.0 0.0

MIN 505 -4084663.8 -14141.6 -444928.9 2879.5 -1388291.3 0.0
 506 -1514648.3 -514148.6 43047.5 -25069.8 456548.3 0.0
 516 -1983524.7 -69781.8 77119.1 -44141.6 481974.2 0.0
 515 -6243483.1 -115294.4 -331392.8 -46927.0 -1370161.8 0.0

1710 3 3 env SL~1 MAX 506 1475876.8 502511.3 109969.2 25069.8 -456548.3 0.0
 5 4504178.3 223277.0 441156.9 12073.1 1362502.3 0.0
 13 6189401.5 114638.6 336005.4 -23108.0 1343943.4 0.0
 516 2002178.7 967133.5 94756.2 -9073.2 -458265.9 0.0

MIN 506 -4235961.7 -116014.4 -417600.1 -4559.7 -1416230.0 0.0
 5 -1537443.4 -970461.9 -97512.7 -24114.4 634414.9 0.0
 13 -1940612.1 -499168.5 -35321.8 -44701.5 651766.0 0.0
 516 -6457618.2 -221901.2 -294206.9 -47543.0 -1401411.8 0.0

1711 3 3 env SL~1 MAX 5 1498594.7 959836.4 254774.5 24114.4 -634414.9 0.0
 507 4992994.5 342132.9 398638.5 19444.8 1223951.8 0.0
 517 6318961.2 220457.5 297665.7 -26617.6 1206001.2 0.0
 13 2019056.9 1474243.9 211469.3 -14519.9 -640593.0 0.0

MIN 5 -4548588.1 -222653.2 -378752.0 -12073.1 -1362502.3 0.0
 507 -1601294.6 -1481134.4 -241477.8 -21780.8 646165.2 0.0

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				517	-1916357.0	-952945.9	-152875.3	-43358.6	661140.8	0.0	
				13	-6763367.5	-339929.8	-252196.9	-45713.0	-1350941.4	0.0	
1712	3	3	env SL~1	MAX	507	1562374.9	1471608.8	404349.7	21780.8	-646165.2	0.0
					508	5683360.3	480657.8	344639.8	26491.0	1079997.9	0.0
					518	6516083.4	337632.5	254342.1	-28608.1	1081783.3	0.0
					517	2057821.0	2068654.7	333383.3	-12994.4	-647665.4	0.0
				MIN	507	-5036906.9	-340863.1	-328053.9	-19444.8	-1223951.8	0.0
					508	-1711825.5	-2080052.8	-388983.5	-17889.9	616896.4	0.0
					518	-1908370.4	-1460210.7	-276858.7	-41006.1	627647.6	0.0
					517	-7162536.8	-477427.2	-205572.7	-41230.0	-1215886.1	0.0
1713	3	3	env SL~1	MAX	508	1672845.6	2071804.2	558697.2	17889.9	-616896.4	0.0
					509	6615122.4	648506.3	278720.3	33039.2	1223236.9	0.0
					519	6766404.8	474124.2	206208.9	-28756.4	1209841.7	0.0
					518	2118317.0	2792383.6	461622.4	-10657.4	-612774.9	0.0
				MIN	508	-5726836.4	-478786.8	-264995.2	-26491.0	-1079997.9	0.0
					509	-1877880.1	-2809834.4	-539905.9	-12112.5	544600.0	0.0
					519	-1913282.5	-2054353.5	-408522.9	-46855.5	548486.0	0.0
					518	-7654690.8	-643843.7	-154578.7	-33752.3	-1055126.7	0.0
1714	3	3	env SL~1	MAX	509	1838856.7	2803049.9	717474.2	12112.5	-544600.0	0.0
					510	7846076.2	858569.4	200377.1	39045.3	1327933.5	0.0
					520	7047529.9	639490.0	153521.5	-20562.2	1293424.2	0.0
					519	2199331.3	3700972.6	597137.5	-7445.9	-533501.8	0.0
				MIN	509	-6658248.6	-646077.2	-188951.5	-33039.2	-1223236.9	0.0
					510	-2112458.6	-3727151.9	-693714.3	-3745.7	260632.2	0.0
					520	-1925729.4	-2776865.4	-549006.6	-51019.2	252268.9	0.0
					519	-8235357.6	-851982.2	-99591.9	-34009.3	-1186492.8	0.0
1715	3	3	env SL~1	MAX	510	2073415.9	3721958.6	879841.3	3745.7	-260632.2	0.0
					6	9459202.6	1131636.5	109492.9	45973.6	1391663.6	0.0
					14	7323088.1	845109.7	96541.2	-5608.4	1327162.1	0.0
					520	2298739.0	4875636.4	740404.4	645.4	-267664.1	0.0
				MIN	510	-7888972.0	-855628.2	-99266.2	-39045.3	-1327933.5	0.0
					6	-2434444.0	-4916557.1	-848819.9	9473.3	-257404.7	0.0
					14	-1937710.9	-3681046.7	-699535.0	-53729.1	-258073.4	0.0
					520	-8893318.7	-1121118.0	-41412.6	-40593.4	-1276680.9	0.0
1716	3	3	env SL~1	MAX	6	2395416.1	4913177.6	1043805.6	-9473.3	257404.7	0.0
					7	1.16e+007	1493044.2	4938.3	55218.7	1412225.3	0.0
					15	7523125.5	1114396.7	35167.8	16968.8	1306420.0	0.0
					14	2407129.5	6437583.9	894555.4	17285.9	241088.7	0.0

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			MIN	6	-9502031.3	-1128237.4	4297.7	-45973.6	-1391663.6	0.0	
				7	-2871632.8	-6498772.8	-1004333.1	17519.4	-882879.1	0.0	
				15	-1930912.8	-4851988.7	-862137.0	-60781.6	-868970.4	0.0	
				14	-9596201.0	-1479203.5	20951.5	-45491.1	-1322087.7	0.0	
1717	3	3	env SL~1	MAX	7	2832668.1	6497537.6	1207971.2	-17519.4	882879.1	0.0
					5008	1.44e+007	2107756.6	-61897.9	192896.2	1434012.5	-1.8
					5016	7581232.0	1425452.9	-47928.2	72267.8	1196628.0	-1.8
					15	2539882.4	8909401.8	1023785.8	92640.8	857981.0	0.0
				MIN	7	-1.16e+007	-1489241.4	122954.0	-55218.7	-1412225.3	0.0
					5008	-3477964.9	-9177514.4	-1102180.9	58129.0	-1574482.8	-2.6
					5016	-1894585.6	-6229425.0	-1057685.3	-35859.2	-1613029.7	-2.6
					15	-1.04e+007	-2043968.1	52227.4	-8131.6	-1312300.0	0.0
1718	3	3	env SL~1	MAX	5009	2871321.0	1523729.3	-469260.1	-46369.1	2641577.1	-1.9
					10	6176331.5	2375966.6	1175093.1	-19046.9	-990626.4	0.0
					18	7674213.7	5978994.1	1154789.6	82099.3	-1023834.0	0.0
					5017	2489502.7	620175.0	-484573.4	83911.6	2639717.4	-1.8
				MIN	5009	-7701097.6	-6102003.9	-1150062.6	-100375.4	1350097.6	-2.9
					10	-2480242.5	-647997.7	507534.4	-98412.7	-1878967.5	0.0
					18	-2880581.2	-1495906.6	511654.3	55219.7	-1892085.9	0.0
					5017	-6149447.6	-2253012.6	-1107929.2	53390.1	1377458.7	-2.6
1719	3	3	env SL~1	MAX	10	3007796.9	1419356.4	-438364.0	-3036.0	1893812.4	0.0
					11	7050277.9	2583200.1	1023600.5	-18876.1	-557205.8	0.0
					19	8195048.4	5607810.5	1035938.2	74112.8	-560238.8	0.0
					18	2560038.5	663573.9	-498122.8	64755.1	1893874.6	0.0
				MIN	10	-8545503.2	-5703793.5	-997398.5	-82847.1	992293.1	0.0
					11	-2627768.2	-685506.7	476291.4	-61599.7	-1540757.2	0.0
					19	-2940067.2	-1397423.5	526615.6	45716.8	-1559437.3	0.0
					18	-6699823.1	-2487281.5	-990249.3	29421.9	1007801.5	0.0
1720	3	3	env SL~1	MAX	11	3037665.0	1239353.8	-385273.9	689.9	1545906.5	0.0
					511	7614641.8	2352419.5	888382.4	-2427.5	-39096.6	0.0
					521	8544256.2	4913472.3	913326.5	61665.0	-43313.1	0.0
					19	2622332.4	602806.1	-459730.8	52218.4	1548245.9	0.0
				MIN	11	-8941123.6	-4989770.0	-858610.0	-58968.5	522630.8	0.0
					511	-2701550.7	-620157.9	420615.8	-43561.8	-1219513.9	0.0
					521	-2958446.8	-1222002.1	489744.2	20710.3	-1227730.8	0.0
					19	-7217774.5	-2276166.4	-871208.0	15841.8	548748.1	0.0
1721	3	3	env SL~1	MAX	511	3009786.3	1039625.0	-337535.3	10373.0	1223707.3	0.0

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				512	7985937.4	1925099.0	759641.3	12488.1	410282.4	0.0	
				522	8754939.0	4128526.5	790141.7	48555.4	408571.2	0.0	
				521	2663360.0	497520.3	-407937.5	39731.2	1216134.5	0.0	
			MIN	511	-9091171.8	-4185123.8	-728488.1	-48365.2	14419.8	0.0	
				512	-2729331.0	-510201.2	370701.2	-33028.9	-903717.1	0.0	
				522	-2943815.3	-1026944.1	440126.9	505.6	-899268.9	0.0	
				521	-7649704.5	-1868532.4	-749404.1	-2257.9	34386.3	0.0	
1722	3	3	env SL~1	MAX	512	2950723.4	839883.9	-292826.6	20155.4	904270.8	0.0
					513	8244826.0	1394180.9	636350.4	24774.6	771492.1	0.0
					523	8868226.0	3332440.9	666838.3	34725.1	773428.0	0.0
					522	2685880.1	368159.6	-353050.6	28006.6	888272.7	0.0
			MIN	512	-9107829.3	-3373844.3	-604760.1	-36755.5	-428203.0	0.0	
				513	-2730335.0	-377247.4	324088.4	-24163.2	-594620.8	0.0	
				523	-2906268.5	-830796.1	387144.0	-16206.3	-577789.8	0.0	
				522	-8005222.7	-1352797.0	-626537.7	-18747.0	-416346.9	0.0	
1723	3	3	env SL~1	MAX	513	2875432.9	646859.1	-249347.0	28677.7	590206.4	0.0
					514	8441322.2	806762.1	516956.7	34055.3	1048960.2	0.0
					524	8911603.5	2556918.2	543818.6	20496.8	1054622.0	0.0
					523	2692952.8	226192.8	-295128.1	17352.0	568619.4	0.0
			MIN	513	-9055442.5	-2585355.7	-485501.8	-24662.4	-783960.3	0.0	
				514	-2716197.6	-232230.2	278985.4	-16609.2	-295205.2	0.0	
				524	-2852188.1	-640821.7	330845.0	-29724.3	-267393.4	0.0	
				523	-8297483.3	-778348.7	-503382.7	-31926.6	-779965.7	0.0	
1724	3	3	env SL~1	MAX	514	2793058.5	463310.2	-205669.1	35552.2	285367.0	0.0
					12	8607052.4	184888.6	432095.8	40623.8	1245373.0	0.0
					20	8903710.4	1814266.5	458025.4	6251.6	1254429.4	0.0
					524	2687822.2	76991.8	-234198.0	7959.4	261206.4	0.0
			MIN	514	-8971823.5	-1831587.8	-401701.8	-12453.2	-1056849.9	0.0	
				12	-2694580.6	-80424.9	234040.2	-9995.3	-9277.4	0.0	
				20	-2786300.1	-459877.1	271182.3	-40268.9	27607.9	0.0	
				524	-8538939.3	-167567.3	-423064.2	-41626.7	-1059524.7	0.0	
1725	3	3	env SL~1	MAX	12	2708661.1	289709.8	-143181.3	40654.0	-5851.8	0.0
					515	8760725.3	77868.9	410310.7	44690.2	1361613.3	0.0
					525	8856463.0	1107021.4	420671.0	-7620.4	1373659.5	0.0
					20	2672823.8	471535.2	-157087.4	-101.2	-29856.0	0.0
			MIN	12	-8877915.6	-1114327.1	-380998.1	-410.6	-1249133.7	0.0	
				515	-2670002.7	-464187.9	176492.9	-4006.7	258940.7	0.0	
				525	-2711482.2	-288617.8	195666.6	-47899.4	302708.6	0.0	
				20	-8739272.7	-78987.6	-384628.2	-47766.6	-1257161.0	0.0	

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1726	3	3	env SL~1	MAX	515	2624472.6	125693.4	-37435.4	43926.5	-278805.3	0.0
					516	8913141.6	237471.7	383488.6	46356.9	1397156.0	0.0
					526	8777823.1	433779.0	376209.7	-20730.4	1411800.5	0.0
					525	2649289.8	1132306.1	-38590.4	-6808.9	-300313.4	0.0
				MIN	515	-8784881.5	-431596.8	-354880.9	11241.4	-1361517.9	0.0
					516	-2644615.1	-1134464.0	69876.1	1616.6	504951.7	0.0
					526	-2629147.2	-126810.8	78040.6	-52592.7	553145.3	0.0
					525	-8906083.1	-236374.0	-339462.2	-50333.4	-1373669.4	0.0
1727	3	3	env SL~1	MAX	516	2540465.6	220759.4	76075.1	45327.8	-528660.1	0.0
					13	9062715.7	400971.4	350864.3	45628.9	1350290.9	0.0
					21	8666702.5	27478.8	324517.8	-32331.5	1367096.0	0.0
					526	2617406.9	1816422.0	88351.9	-12155.8	-545669.5	0.0
				MIN	516	-8690662.1	-30789.8	-322466.0	21042.2	-1393454.0	0.0
					13	-2618468.8	-1828095.6	-43629.2	7095.4	684840.7	0.0
					21	-2539403.8	-209080.2	-48906.9	-54258.3	728109.4	0.0
					526	-9038756.1	-397660.4	-287560.8	-49322.1	-1408579.5	0.0
1728	3	3	env SL~1	MAX	13	2454578.5	838714.5	193497.1	44785.6	-696013.7	0.0
					517	9200703.6	568993.3	311518.2	42428.0	1218269.1	0.0
					527	8519358.1	170499.6	265213.3	-35861.9	1236585.5	0.0
					21	2576138.9	2524137.9	219851.1	-16130.4	-717722.9	0.0
				MIN	13	-8586538.2	-176140.8	-282712.4	25578.5	-1343292.9	0.0
					517	-2589501.1	-2545857.3	-160389.8	10861.8	683910.4	0.0
					527	-2441216.3	-816992.5	-181067.5	-52735.9	726568.8	0.0
					21	-9133523.4	-563333.1	-228663.8	-44715.7	-1360203.5	0.0
1729	3	3	env SL~1	MAX	517	2362633.3	1418083.9	316608.9	42160.6	-697385.8	0.0
					518	9307780.6	740862.9	264309.8	36598.6	1060085.0	0.0
					528	8328062.6	302862.5	197677.8	-36962.1	1102180.7	0.0
					527	2523132.7	3252907.6	357576.5	-13289.3	-711152.7	0.0
				MIN	517	-8454700.2	-311085.0	-234353.7	28750.2	-1208384.2	0.0
					518	-2553208.4	-3285708.2	-282192.9	9055.6	636721.2	0.0
					528	-2332557.5	-1385285.4	-320101.6	-51384.4	675189.4	0.0
					527	-9181142.9	-732613.4	-162278.7	-36678.3	-1225665.3	0.0
1730	3	3	env SL~1	MAX	518	2257889.7	1943730.2	447142.7	49883.7	-651594.0	0.0
					519	9350856.4	914483.5	207797.4	27893.3	1165310.5	0.0
					529	8082088.1	421323.6	121096.4	-33865.1	1196120.8	0.0
					528	2454523.8	3993425.0	503011.2	-7419.4	-655315.6	0.0
				MIN	518	-8266523.2	-432505.5	-175826.4	30209.9	-1086741.6	0.0

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				519	-2501858.2	-4038954.6	-410815.0	6721.3	539519.3	0.0
				529	-2210555.3	-1898209.0	-467448.2	-57108.5	569200.6	0.0
				528	-9166421.3	-903301.5	-87712.1	-28173.8	-1079535.5	0.0
1731	3	3	env SL~1 MAX	519	2130455.9	2385108.6	586766.8	56257.9	-554503.5	0.0
				520	9277324.8	1085193.2	140096.4	31210.0	1219447.3	0.0
				530	7769068.5	518537.9	34549.8	-22928.0	1232075.2	0.0
				529	2365029.0	4723630.7	657355.4	-201.5	-545756.5	0.0
			MIN	519	-7979010.9	-533301.8	-105196.9	22520.9	-1188659.4	0.0
				520	-2423357.5	-4784030.5	-548109.7	3888.2	271223.5	0.0
				530	-2072127.5	-2324726.9	-624121.6	-59550.0	282879.0	0.0
				529	-9067382.4	-1070429.3	-4094.0	-19903.1	-1169330.9	0.0
1732	3	3	env SL~1 MAX	520	1964994.0	2681113.1	737422.4	60402.6	-255828.4	0.0
				14	9002590.3	1239517.6	58464.8	37926.3	1214060.1	0.0
				22	7379805.9	580940.3	-62849.1	-7450.8	1199735.4	0.0
				530	2246684.8	5390856.4	821293.1	8603.9	-258924.5	0.0
			MIN	520	-7528353.4	-599130.6	-19823.0	8886.3	-1236190.6	0.0
				14	-2297478.0	-5467791.7	-696386.1	-1166.6	-244372.6	0.0
				22	-1914200.8	-2604203.9	-790438.5	-57805.8	-244111.3	0.0
				530	-8854042.8	-1221327.3	89562.6	-19008.6	-1202022.2	0.0
1733	3	3	env SL~1 MAX	14	1742675.5	2710654.9	898765.0	61294.0	261357.4	0.0
				15	8396861.4	1357372.4	-41767.9	38572.1	1137067.9	0.0
				23	6928108.5	574555.4	-170397.1	11633.7	1088532.3	0.0
				22	2095118.7	5890967.4	996821.8	26471.8	271538.7	0.0
			MIN	14	-6825911.9	-599934.4	81907.3	-10510.9	-1219134.5	0.0
				15	-2095518.0	-5991753.6	-859716.4	-28206.5	-870924.6	0.0
				23	-1742276.1	-2609920.2	-963979.6	-53021.3	-887146.9	0.0
				22	-8499058.1	-1331993.3	195613.0	-19928.1	-1167773.9	0.0
1734	3	3	env SL~1 MAX	15	1401086.7	1937661.5	1111779.2	30341.1	881914.0	0.0
				5016	6967686.1	1228396.2	-191871.9	90080.2	969478.5	-1.8
				5024	6518640.8	423283.1	-304112.3	12816.6	872144.4	-1.8
				23	1872267.8	5437782.3	1186976.7	70311.7	913987.9	0.0
			MIN	15	-5620748.0	-421322.0	240060.6	-51366.5	-1131188.0	0.0
				5016	-1702745.4	-5429873.3	-1069128.3	-7097.7	-1618079.3	-2.6
				5024	-1570609.1	-1945638.5	-1157736.8	-69150.5	-1668615.4	-2.6
				23	-7865578.9	-1230357.3	321278.9	4681.9	-1058729.7	0.0
1735	3	3	env SL~1 MAX	5017	2830124.2	977526.2	-467355.6	-53379.3	2657093.7	-1.8
				18	6591136.6	67259.7	1151522.1	-37034.1	-1045408.1	0.0
				26	7390834.3	3645476.6	1174033.8	81888.9	-1073218.7	0.0

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			5025	2679900.2	431644.7	-518709.0	89181.9	2679977.0	-1.8	
		MIN	5017	-7267681.4	-3649199.7	-1113070.9	-83901.9	1441827.1	-2.6	
			18	-2629125.0	-430560.5	502019.6	-76406.6	-1911440.4	0.0	
			26	-2880858.5	-976905.4	549400.4	43842.0	-1918607.3	0.0	
			5025	-6714322.1	-63575.4	-1140594.2	48784.2	1462425.7	-2.5	
1736	3	3 env SL~1 MAX	18	2855583.1	945871.2	-491037.9	-45365.1	1912654.3	0.0	
			19	7008507.4	74438.5	1036709.0	-25285.9	-551839.4	0.0	
			27	7700090.2	3543249.1	1050028.6	69548.3	-544999.3	0.0	
			26	2691069.3	380471.6	-536123.9	61318.5	1918609.3	0.0	
		MIN	18	-7667479.8	-3575400.8	-999517.5	-77809.2	1061440.6	0.0	
			19	-2663810.6	-369632.5	520224.5	-60132.3	-1555846.5	0.0	
			27	-2882841.7	-938879.0	572292.6	23398.7	-1564533.6	0.0	
			26	-7041117.8	-42360.1	-1015329.3	24440.1	1061335.9	0.0	
1737	3	3 env SL~1 MAX	19	2887496.5	899886.5	-453463.8	-25666.2	1567037.8	0.0	
			521	7452480.9	95266.8	917911.2	-12524.7	-41146.5	0.0	
			531	7995099.1	3387091.7	925377.6	55885.4	-39385.0	0.0	
			27	2699629.7	321247.0	-506613.3	43504.4	1551599.2	0.0	
		MIN	19	-8087131.0	-3421995.0	-881527.8	-66198.9	563330.1	0.0	
			521	-2704578.0	-309699.3	483057.4	-47896.2	-1205754.7	0.0	
			531	-2882548.2	-892369.0	542375.0	3451.5	-1207144.5	0.0	
			27	-7360449.0	-60363.6	-889870.2	7526.4	544514.1	0.0	
1738	3	3 env SL~1 MAX	521	2905665.0	827710.7	-400688.9	-4554.8	1217351.0	0.0	
			522	7876712.9	11693.1	796249.2	5291.0	413008.2	0.0	
			532	8259843.3	3121371.3	801416.4	41946.6	412714.7	0.0	
			531	2711383.8	295395.4	-449872.0	31289.1	1194916.3	0.0	
		MIN	521	-8447874.8	-3155713.7	-760756.5	-53500.0	50073.3	0.0	
			522	-2740805.9	-284104.2	429668.1	-36464.2	-860061.9	0.0	
			532	-2876242.9	-820308.8	486248.1	-12615.1	-853426.1	0.0	
			531	-7688681.5	22649.3	-765018.3	-8617.0	38406.2	0.0	
1739	3	3 env SL~1 MAX	522	2904801.6	735372.8	-347432.4	12950.4	871058.2	0.0	
			523	8252674.1	-31382.4	673813.5	21087.1	783145.3	0.0	
			533	8474353.9	2773273.5	677656.3	27679.2	783773.8	0.0	
			532	2720116.4	300624.4	-389017.5	20162.8	843245.5	0.0	
		MIN	522	-8726850.3	-2802440.7	-638721.6	-40097.7	-405232.6	0.0	
			523	-2765781.9	-291068.0	375976.5	-25764.9	-524932.6	0.0	
			533	-2859136.1	-729135.4	425828.7	-26067.3	-509716.8	0.0	
			532	-8000177.7	25098.0	-640857.4	-23175.1	-414049.8	0.0	

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1740	3	3 env SL~1	MAX	523	2885225.7	631317.6	-293694.6	27045.8	534102.9	0.0
				524	8573595.4	37963.7	551173.1	33359.7	1070170.6	0.0
				534	8635131.5	2373660.2	553910.3	13323.6	1073819.4	0.0
				533	2722493.3	467376.7	-324253.6	10135.9	502653.3	0.0
			MIN	523	-8925805.4	-2396261.0	-516256.0	-26312.2	-776607.6	0.0
				524	-2777596.5	-444741.4	321912.5	-16025.8	-205364.9	0.0
				534	-2830122.5	-626555.7	361391.0	-37024.1	-181497.4	0.0
				533	-8282921.5	-42760.1	-516936.7	-34800.0	-785187.2	0.0
1741	3	3 env SL~1	MAX	524	2848161.8	521907.5	-238983.0	37991.3	211551.9	0.0
				20	8835210.8	121273.8	474345.3	42072.3	1275174.9	0.0
				28	8740494.1	1947520.2	484687.4	-844.7	1283211.5	0.0
				534	2716159.7	792645.6	-255649.9	1272.4	178439.5	0.0
			MIN	524	-9048717.2	-1962723.5	-447039.1	-12430.4	-1065267.9	0.0
				20	-2775433.3	-777421.2	266972.4	-7373.7	94128.5	0.0
				28	-2788888.3	-518811.7	293015.8	-45617.1	126184.6	0.0
				534	-8526987.7	-124393.6	-446638.2	-43397.7	-1074802.2	0.0
1742	3	3 env SL~1	MAX	20	2795180.0	412380.2	-170612.3	45963.1	-91880.4	0.0
				525	9036987.5	214048.7	444997.3	47218.6	1398432.7	0.0
				535	8792052.1	1515253.3	439392.9	-14516.8	1411658.6	0.0
				28	2699767.2	1165855.5	-167809.5	-6394.9	-124557.8	0.0
			MIN	20	-9101986.1	-1522815.6	-417743.0	1223.3	-1272443.3	0.0
				525	-2759104.3	-1158287.4	204419.3	125.2	369133.7	0.0
				535	-2735842.9	-411006.9	205893.4	-51865.1	408432.8	0.0
				28	-8727053.5	-215437.1	-401292.0	-48917.7	-1283183.7	0.0
1743	3	3 env SL~1	MAX	525	2727634.4	307055.8	-52416.8	51014.2	-371528.9	0.0
				526	9180379.8	312153.5	408794.4	48804.0	1439216.3	0.0
				536	8793966.7	1093858.6	386043.3	-27355.1	1458048.6	0.0
				535	2672478.8	1570118.9	-46407.5	-12842.8	-401683.8	0.0
			MIN	525	-9092980.7	-1093777.2	-381510.0	14304.1	-1398422.8	0.0
				526	-2728425.2	-1570209.8	86357.1	6438.9	615072.1	0.0
				536	-2671688.0	-307407.0	84358.1	-55711.8	660269.5	0.0
				535	-8881365.8	-311809.8	-347972.4	-51339.3	-1410052.6	0.0
1744	3	3 env SL~1	MAX	526	2646563.1	209771.0	73680.3	53110.7	-622547.9	0.0
				21	9262561.6	411638.7	364792.8	46822.3	1395700.9	0.0
				29	8749256.2	698376.9	324572.4	-38035.9	1420353.2	0.0
				536	2633802.4	1989882.4	84837.3	-18049.7	-648227.3	0.0
			MIN	526	-9024909.2	-690848.0	-337398.1	26447.4	-1442437.4	0.0
				21	-2683015.3	-1997436.7	-39882.6	11545.9	785267.7	0.0
				29	-2597350.2	-211801.9	-46744.2	-57043.4	830262.7	0.0

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					536 -8986908.7	-409608.1	-286611.8	-50637.1	-1454370.3	0.0	
1745	3	3	env SL~1	MAX	21	2552727.4	124348.9	203635.5	52151.7	-795654.2	0.0
					527	9281389.4	508464.2	311723.5	41245.0	1264908.6	0.0
					537	8661914.0	343079.5	254630.2	-41459.8	1295585.2	0.0
					29	2583506.0	2409177.6	221364.8	-21978.1	-818103.5	0.0
				MIN	21	-8900975.4	-328491.6	-284139.9	32471.7	-1402593.4	0.0
					527	-2622233.2	-2423782.6	-170203.8	14635.6	771290.9	0.0
					537	-2514000.2	-127952.7	-182905.6	-55712.5	818182.3	0.0
					29	-9042328.0	-504837.0	-216858.5	-46751.9	-1414218.9	0.0
1746	3	3	env SL~1	MAX	527	2446799.8	54641.1	339285.7	47985.9	-786707.0	0.0
					528	9234419.3	598421.3	248024.6	34505.6	1125704.6	0.0
					538	8538059.5	153373.3	175574.0	-42555.2	1178185.6	0.0
					537	2521648.3	2810489.1	364676.6	-18681.3	-801312.6	0.0
				MIN	527	-8724593.4	-146742.3	-220175.0	34515.7	-1275828.8	0.0
					528	-2545269.2	-2831424.4	-306421.5	10265.1	703583.4	0.0
					538	-2423178.9	-59660.2	-325649.9	-57253.0	750148.4	0.0
					537	-9047885.3	-593356.2	-138068.3	-41860.9	-1286729.0	0.0
1747	3	3	env SL~1	MAX	528	2329804.4	218734.2	482385.3	53283.5	-723457.1	0.0
					529	9120285.0	676156.1	171884.2	24746.7	1198752.4	0.0
					539	8386385.7	124734.6	86444.8	-37736.0	1250216.6	0.0
					538	2448822.3	3173699.4	516356.6	-12827.8	-729313.6	0.0
				MIN	528	-8500771.5	-116474.7	-143683.6	34116.4	-1148349.7	0.0
					529	-2451537.9	-3199605.8	-450251.0	4438.3	577438.1	0.0
					539	-2327088.8	-192865.4	-476600.0	-63186.0	621564.6	0.0
					538	-9005899.2	-669932.3	-49290.1	-34502.7	-1151954.8	0.0
1748	3	3	env SL~1	MAX	529	2203563.4	371951.0	634484.2	57644.1	-600882.1	0.0
					530	8941847.5	735302.9	81331.7	19456.0	1209771.7	0.0
					540	8220255.6	121131.0	-14073.4	-28257.6	1259121.3	0.0
					539	2366272.9	3474915.8	678113.4	-5119.1	-597752.9	0.0
				MIN	529	-8239377.8	-111898.6	-52656.6	26186.6	-1225542.2	0.0
					530	-2341128.1	-3503506.7	-603181.1	-2742.2	300769.2	0.0
					540	-2228708.2	-343409.5	-637525.7	-66633.5	354514.7	0.0
					539	-8922725.2	-728604.9	50753.6	-24904.7	-1220568.2	0.0
1749	3	3	env SL~1	MAX	530	2073044.0	437647.9	796819.0	59102.5	-324723.8	0.0
					22	8715558.2	771915.0	-25515.9	18563.2	1148647.0	0.0
					30	8057263.9	143944.1	-127741.8	-14630.7	1195527.6	0.0
					540	2277662.9	3695398.5	851666.2	5118.0	-336210.4	0.0

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			MIN	530	-7960878.2	-135130.9	54964.8	12913.4	-1239824.7	0.0	
				22	-2218038.2	-3722874.9	-766172.2	-17081.2	-233734.8	0.0	
				30	-2132668.6	-410276.5	-810422.2	-67384.2	-167710.1	0.0	
				540	-8811943.8	-765126.7	163648.1	-21928.5	-1226848.5	0.0	
1750	3	3	env SL~1	MAX	22	1943541.3	439098.6	967892.6	59170.7	206307.5	0.0
					23	8476904.7	775444.0	-149189.9	13816.7	1004006.7	0.0
					31	7912083.4	186654.2	-255747.5	2903.7	1049403.9	0.0
					30	2183968.1	3816887.5	1038630.8	27382.4	190566.6	0.0
				MIN	22	-7699862.6	-181858.3	179637.9	-3669.5	-1180608.5	0.0
					23	-2087795.8	-3829213.9	-938497.1	-44815.4	-889770.8	0.0
					31	-2039713.5	-426759.4	-996135.4	-63247.8	-805366.4	0.0
					30	-8689125.5	-774022.9	290654.7	-17782.3	-1161113.1	0.0
1751	3	3	env SL~1	MAX	23	1864147.1	1006765.8	1140533.2	34522.8	862929.8	0.0
					5024	8656488.0	918277.2	-299740.1	3536.4	750826.1	-1.8
					5032	7642875.8	100834.1	-400209.6	-17285.7	816594.4	-1.9
					31	2117038.9	4547100.1	1251926.5	60413.0	833001.9	0.0
				MIN	23	-7642480.6	-116060.9	313875.8	-40725.4	-1033809.3	0.0
					5024	-2049647.0	-4605565.8	-1125456.8	-80422.9	-1687116.7	-2.6
					5032	-1931538.9	-948359.3	-1195112.1	-102429.5	-1561342.0	-2.7
					31	-8656883.2	-903029.4	451429.2	-2515.6	-1016283.4	0.0
1752	3	3	env SL~1	MAX	5025	2924015.6	787282.0	-519896.5	-48773.8	2698119.6	-1.8
					26	7117343.9	128933.2	1176078.3	-34206.1	-1108229.8	0.0
					34	7375128.7	2728746.3	1138711.9	91211.3	-1137632.1	0.0
					5033	2806607.3	1117803.4	-585486.9	95921.4	2696106.5	-1.8
				MIN	5025	-7419968.8	-2772566.5	-1137373.7	-89178.1	1537690.7	-2.5
					26	-2804246.0	-1073910.2	562170.6	-81456.2	-1939714.2	0.0
					34	-2925901.0	-778147.1	608568.1	59884.7	-1973135.2	0.0
					5033	-7072884.5	-138141.1	-1105525.7	58765.6	1576023.9	-2.5
1753	3	3	env SL~1	MAX	26	2891228.9	729866.2	-526806.5	-29984.1	1947294.1	0.0
					27	7317502.0	145967.4	1050131.5	-19904.9	-546623.3	0.0
					35	7533532.4	2540455.1	1030584.9	79102.4	-568590.9	0.0
					34	2788562.5	1132574.4	-596412.4	67982.1	1954453.0	0.0
				MIN	26	-7577111.7	-2558040.5	-1008784.0	-73977.1	1114110.6	0.0
					27	-2785572.4	-1114955.2	562970.5	-54887.7	-1557360.7	0.0
					35	-2894219.0	-726948.3	625603.8	43221.2	-1582854.5	0.0
					34	-7273922.7	-148919.0	-1000041.6	30994.6	1124035.8	0.0
1754	3	3	env SL~1	MAX	27	2866800.9	678451.0	-484270.5	-11020.2	1570295.1	0.0
					531	7550665.4	175779.9	925075.0	-826.2	-41356.2	0.0

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				541	7706256.7	2376217.7	916598.1	66337.5	-60268.1	0.0	
				35	2777278.5	1205088.3	-561565.2	46828.9	1562046.9	0.0	
			MIN	27	-7767225.9	-2393471.4	-880973.4	-61080.2	547108.5	0.0	
				531	-2775856.9	-1187818.7	522972.3	-39147.1	-1180256.5	0.0	
				541	-2868222.6	-675284.8	588218.8	27629.8	-1193169.9	0.0	
				35	-7489696.2	-178962.0	-888808.9	15180.1	552330.0	0.0	
1755	3	3	env SL~1	MAX	531	2845084.8	630095.4	-425707.3	6247.2	1192484.7	0.0
					532	7788617.6	203104.3	800735.2	15276.9	414054.3	0.0
					542	7868449.0	2229527.7	798926.2	52442.2	400033.1	0.0
					541	2762547.3	1268179.2	-501562.5	31931.6	1171661.9	0.0
			MIN	531	-7966617.8	-2244460.0	-755004.8	-48027.4	42335.0	0.0	
				532	-2767776.5	-1253241.4	463973.0	-27776.8	-810592.8	0.0	
				542	-2839855.6	-627254.4	528652.1	13612.5	-810835.5	0.0	
				541	-7690448.7	-205950.8	-772765.9	-732.5	42387.9	0.0	
1756	3	3	env SL~1	MAX	532	2822013.9	581183.5	-366856.1	20513.3	820773.4	0.0
					533	8022248.6	232653.0	677705.6	28618.2	791588.7	0.0
					543	8018996.0	2076109.0	678174.4	37830.8	784220.7	0.0
					542	2745574.2	1349059.2	-434631.0	20649.0	791105.8	0.0
			MIN	532	-8157314.2	-2089581.1	-630862.4	-34332.5	-412719.2	0.0	
				533	-2758905.2	-1335586.8	404728.2	-17514.9	-454680.3	0.0	
				543	-2808682.9	-578518.9	462114.2	485.2	-442770.0	0.0	
				542	-7883930.4	-235317.8	-653126.8	-13789.7	-417740.3	0.0	
1757	3	3	env SL~1	MAX	533	2793706.5	529630.0	-307455.9	32249.1	461743.8	0.0
					534	8239527.4	266591.7	555690.4	38802.9	1089090.3	0.0
					544	8151527.5	1907271.3	554974.2	22899.7	1089176.0	0.0
					543	2725383.1	1455857.7	-361743.1	11124.4	426703.0	0.0
			MIN	533	-8323853.4	-1918351.4	-508158.5	-20300.3	-790175.2	0.0	
				534	-2746056.4	-1444780.6	344987.3	-8386.7	-118219.2	0.0	
				544	-2773033.2	-527398.1	389566.9	-11243.8	-95003.7	0.0	
				543	-8067201.6	-268820.6	-530615.3	-23634.7	-800016.8	0.0	
1758	3	3	env SL~1	MAX	534	2758224.6	476129.2	-246973.7	41618.9	121277.0	0.0
					28	8432273.1	305266.9	482859.7	45846.5	1305730.5	0.0
					36	8262816.8	1724978.4	499846.6	8026.3	1313730.9	0.0
					544	2701095.3	1590466.5	-283630.0	3242.9	84084.4	0.0
			MIN	534	-8458152.1	-1733155.7	-448885.3	-6209.2	-1088107.4	0.0	
				28	-2727244.3	-1582294.3	284263.4	-382.4	193593.2	0.0	
				36	-2732075.6	-474471.7	311695.6	-21243.2	226946.6	0.0	
				544	-8236937.7	-306919.3	-468465.7	-30158.7	-1101711.2	0.0	

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1759	3	3	env SL~1	MAX	28	2714615.8	422170.2	-169964.3	48688.3	-195220.0	0.0
						535 8594169.2	347841.6	447995.8	49784.9	1440448.1	0.0
						545 8350102.4	1535482.6	445094.7	-6422.0	1456535.6	0.0
						36 2671828.5	1749461.0	-190713.7	-3112.1	-231618.1	0.0
						MIN 28 -8555802.6	-1540328.5	-414043.5	7621.9	-1305758.3	0.0
						535 -2701092.8	-1744641.6	215099.5	6510.2	475845.0	0.0
						545 -2685351.5	-421198.8	217469.3	-29433.3	517853.3	0.0
						36 -8388469.1	-348806.1	-413691.7	-33502.6	-1321833.3	0.0
1760	3	3	env SL~1	MAX	535	2662748.4	369579.0	-57712.8	53419.5	-482594.0	0.0
						536 8722522.5	392894.5	406442.9	50652.1	1491724.3	0.0
						546 8413327.4	1346563.6	382325.7	-20080.7	1515828.5	0.0
						545 2637026.5	1926610.5	-67717.4	-8045.5	-515534.9	0.0
						MIN 535 -8616666.0	-1347903.9	-372372.5	20849.4	-1442054.1	0.0
						536 -2666885.9	-1925300.8	103238.1	12300.9	723691.4	0.0
						546 -2632889.0	-369336.4	94082.9	-35726.5	772568.0	0.0
						545 -8519183.9	-393128.3	-351040.8	-33787.9	-1459180.7	0.0
1761	3	3	env SL~1	MAX	536	2603098.4	320526.6	62319.9	55696.8	-735733.6	0.0
						29 8816267.6	438732.3	357452.6	48455.8	1457436.7	0.0
						37 8454504.3	1166402.0	311846.5	-27471.3	1489299.7	0.0
						546 2596491.4	2114333.7	65881.8	-11655.4	-762861.5	0.0
						MIN 536 -8642569.8	-1164269.2	-323153.1	33104.0	-1495402.6	0.0
						29 -2624476.8	-2116485.4	-17226.5	16983.5	889997.0	0.0
						37 -2575113.0	-321008.6	-39084.4	-40022.6	939772.5	0.0
						546 -8628202.1	-438251.1	-280790.7	-31130.8	-1512114.4	0.0
1762	3	3	env SL~1	MAX	29	2536675.9	276075.6	185800.0	55339.5	-902156.2	0.0
						537 8875277.7	483632.6	300057.1	44065.4	1334796.8	0.0
						547 8474410.9	1000789.8	233794.2	-29357.9	1374064.2	0.0
						37 2550423.3	2305409.5	204029.6	-8239.3	-924446.4	0.0
						MIN 29 -8635836.3	-995462.3	-265457.5	38763.9	-1463571.0	0.0
						537 -2574301.4	-2310757.0	-141364.9	19145.4	866074.7	0.0
						547 -2512797.7	-277194.3	-176573.8	-43545.3	918216.7	0.0
						37 -8713852.3	-482513.2	-203038.4	-25661.2	-1478437.2	0.0
1763	3	3	env SL~1	MAX	537	2465026.8	237139.4	313952.6	53119.7	-882944.4	0.0
						538 8902831.0	526387.8	233132.9	39164.9	1209546.2	0.0
						548 8475817.9	853617.2	148188.8	-28331.5	1266146.0	0.0
						547 2499458.0	2494070.0	347190.6	-2727.8	-894909.1	0.0
						MIN 537 -8601595.8	-845584.6	-198216.0	40995.8	-1343653.0	0.0
						538 -2517471.6	-2502106.8	-270505.8	14730.6	782905.0	0.0

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				548 -2447013.2	-238774.9	-318746.5	-52570.8	834404.9	0.0			
				547 -8777053.1	-524772.3	-117750.5	-17601.3	-1355383.9	0.0			
1764	3	3	env SL~1	MAX	538	2390209.9	203828.5	447822.6	60074.0	-803739.8	0.0	
						539	8905376.2	565859.9	155479.7	30839.0	1266668.7	0.0
						549	8461633.0	725155.2	54982.3	-24172.5	1321548.7	0.0
						548	2444627.5	2677048.2	495513.7	3868.5	-803775.0	0.0
				MIN	538	-8546920.8	-714974.5	-120295.9	39714.0	-1235777.0	0.0	
						539	-2455869.2	-2687228.7	-405829.1	8770.2	636906.3	0.0
						549	-2378968.2	-205791.4	-465616.3	-59222.7	684835.9	0.0
						548	-8820088.4	-563917.0	-24810.8	-15417.2	-1235311.9	0.0
1765	3	3	env SL~1	MAX	539	2315063.5	174894.3	588113.8	64484.5	-660718.0	0.0	
						540	8893527.7	602876.3	65913.7	22593.7	1260710.2	0.0
						550	8433106.7	608679.2	-45911.6	-16672.8	1312467.5	0.0
						549	2387582.2	2857802.1	648637.3	11265.8	-648006.3	0.0
				MIN	539	-8480592.0	-597032.3	-30587.0	30809.5	-1296317.1	0.0	
						540	-2392680.6	-2869448.5	-548175.2	998.7	400085.8	0.0
						550	-2309965.0	-177185.1	-616685.1	-63003.6	428562.2	0.0
						549	-8846042.4	-600614.9	75940.2	-14518.7	-1285211.6	0.0
1766	3	3	env SL~1	MAX	540	2242089.3	148409.4	735152.4	65968.3	-418390.0	0.0	
						30	8880462.5	638304.5	-36675.5	19301.5	1184449.7	0.0
						38	8390894.0	496596.0	-154653.7	-5876.8	1233005.4	0.0
						550	2329414.4	3043060.6	805404.6	20771.4	-410281.6	0.0
				MIN	540	-8413004.4	-483268.4	71952.0	17353.9	-1292983.1	0.0	
						30	-2330981.5	-3056365.4	-697740.8	-15209.9	-114186.4	0.0
						38	-2240522.2	-150605.1	-770925.3	-63471.1	-41078.5	0.0
						550	-8858352.1	-636148.3	184732.5	-12423.8	-1272053.0	0.0
1767	3	3	env SL~1	MAX	30	2178019.3	119467.7	888766.5	65864.9	91329.9	0.0	
						31	8893844.1	689206.0	-152366.3	13788.7	1031027.4	0.0
						39	8332304.9	451376.0	-272171.7	8082.1	1076493.5	0.0
						38	2275860.5	3276958.0	963089.9	37908.9	94122.5	0.0
				MIN	30	-8359359.8	-444384.9	188943.4	-418.3	-1218864.2	0.0	
						31	-2280653.0	-3301039.5	-852666.0	-42252.0	-735345.6	0.0
						39	-2173226.7	-125902.6	-927299.6	-56403.2	-646471.6	0.0
						38	-8866789.3	-682837.5	300949.8	-9183.9	-1189881.1	0.0
1768	3	3	env SL~1	MAX	31	2101629.2	206228.2	1034079.6	51974.7	707710.1	0.0	
						5032	8652077.8	627119.5	-290636.2	-32755.2	775917.5	-1.9
						5040	8446087.4	851710.1	-389239.4	-3192.9	856679.3	-1.9
						39	2210660.7	2969116.0	1132630.8	55591.5	703455.4	0.0

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			MIN	31	-8259386.2	-817984.7	301878.4	-27218.9	-1064147.9	0.0
				5032	-2177540.8	-3002593.3	-1016287.0	-101372.7	-1476340.5	-2.7
				5040	-2134749.1	-209551.7	-1078532.6	-86281.2	-1338623.1	-2.8
				39	-8838779.1	-623993.7	443352.4	-10261.6	-1037895.7	0.0
1769	3	3	env SL~1 MAX	5033	3769721.1	659586.7	-801292.7	-58755.2	3548503.7	-1.8
				34	8986088.4	276894.7	1493928.3	-37811.5	-1541122.9	0.0
				42	8710050.2	1750297.0	1623474.7	98078.2	-1640064.9	0.0
				5041	3778115.3	2120182.2	-947392.7	96179.5	3648967.4	-1.8
			MIN	5033	-8934764.3	-1753617.6	-1443198.3	-95917.9	2232891.8	-2.6
				34	-3713193.0	-2117013.6	850368.4	-76133.5	-2599417.3	0.0
				42	-3834643.4	-660663.2	981789.9	69395.4	-2690454.3	0.0
				5041	-8761374.3	-275770.6	-1582384.4	62908.8	2381016.4	-2.6
1770	3	3	env SL~1 MAX	34	3739129.0	635584.0	-789980.8	-49682.1	2618099.4	0.0
				35	9250072.9	289675.5	1341625.3	-23951.9	-761649.9	0.0
				43	8930585.0	1745133.7	1472726.8	79477.0	-817955.2	0.0
				42	3737931.5	2076022.7	-939603.7	58118.7	2669761.8	0.0
			MIN	34	-9205322.4	-1762282.4	-1297278.6	-82706.7	1554719.2	0.0
				35	-3689885.3	-2058994.8	831990.8	-55905.4	-2035872.7	0.0
				43	-3787855.7	-632243.7	981066.6	45890.2	-2085000.6	0.0
				42	-8974791.0	-292945.3	-1425253.2	26103.4	1620458.5	0.0
1771	3	3	env SL~1 MAX	35	3696809.5	602781.6	-723282.7	-34249.0	2056680.3	0.0
				541	9462851.4	300959.1	1185491.3	-6917.8	-69138.7	0.0
				551	9111233.6	1691452.1	1307839.3	61540.5	-92148.2	0.0
				43	3689841.5	2052764.1	-896096.5	36754.6	2060530.5	0.0
			MIN	35	-9412398.9	-1703287.3	-1144732.1	-70681.9	777910.8	0.0
				541	-3654592.2	-2041024.6	761480.4	-40100.7	-1484374.4	0.0
				551	-3732058.8	-600418.2	941371.6	24138.2	-1498206.3	0.0
				43	-9161686.0	-303226.9	-1256778.3	-1904.5	793172.9	0.0
1772	3	3	env SL~1 MAX	541	3650298.8	568239.7	-633228.1	-19979.5	1505882.4	0.0
				542	9662749.4	318445.1	1027257.7	7025.0	553888.3	0.0
				552	9283826.2	1609066.9	1136798.1	42467.7	559859.8	0.0
				551	3641136.7	2079386.3	-787088.4	17723.4	1472868.7	0.0
			MIN	541	-9596574.5	-1619048.6	-989587.1	-58168.4	87019.0	0.0
				542	-3615342.9	-2069479.6	667863.6	-28432.8	-954715.2	0.0
				552	-3676092.6	-566168.4	835925.7	3200.6	-937578.1	0.0
				551	-9350001.0	-320441.4	-1082648.4	-25536.6	64870.7	0.0
1773	3	3	env SL~1 MAX	542	3599700.5	534026.1	-543113.8	-6973.5	974444.9	0.0

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			543	9851327.5	337773.5	868621.0	18097.2	1072393.2	0.0	
			553	9442142.8	1515922.5	962163.7	23139.9	1103086.8	0.0	
			552	3589318.3	2128307.2	-671418.7	1526.5	914168.8	0.0	
		MIN	542	-9764636.1	-1523736.0	-833415.6	-44658.4	-536181.1	0.0	
			543	-3572213.3	-2120552.5	574828.9	-18348.0	-454112.4	0.0	
			553	-3616805.5	-532383.5	723176.5	-16650.4	-410029.2	0.0	
			552	-9528834.2	-339357.2	-905548.9	-44250.0	-586736.0	0.0	
1774	3	3 env SL~1 MAX	543	3545631.1	501377.0	-452573.3	5052.3	470179.5	0.0	
			544	1.00e+007	357851.5	710122.9	25907.2	1483882.8	0.0	
			554	9587424.3	1418872.9	791312.4	4069.8	1536633.0	0.0	
			553	3533959.9	2192298.4	-550313.0	-12098.9	390708.3	0.0	
		MIN	543	-9920655.5	-1424961.1	-676819.0	-30607.2	-1056597.0	0.0	
			544	-3525516.1	-2186255.5	481950.1	-9763.7	10898.8	0.0	
			554	-3554074.8	-500092.1	604409.2	-34030.5	78225.0	0.0	
			553	-9697316.0	-359091.0	-739070.9	-58159.7	-1127261.9	0.0	
1775	3	3 env SL~1 MAX	544	3487610.0	470158.3	-360860.4	15495.3	20.5	0.0	
			36	1.02e+007	378613.0	640606.3	30526.7	1787959.8	0.0	
			44	9718727.2	1319576.4	712146.8	-14293.1	1861140.2	0.0	
			554	3474637.8	2268348.2	-424265.3	-23259.7	-91777.5	0.0	
		MIN	544	-1.01e+007	-1323906.9	-611136.5	-16379.0	-1471347.6	0.0	
			36	-3474766.1	-2264051.7	388476.3	-2584.3	434236.5	0.0	
			44	-3487481.6	-469257.8	480122.4	-48732.9	521249.2	0.0	
			554	-9853919.5	-379479.6	-658143.7	-67572.1	-1556569.7	0.0	
1776	3	3 env SL~1 MAX	36	3425202.6	440207.7	-257585.2	24219.1	-429565.0	0.0	
			545	1.04e+007	400294.1	581693.1	32065.9	1983695.7	0.0	
			555	9835791.8	1218748.8	622272.6	-31541.0	2076414.8	0.0	
			44	3411198.4	2355815.5	-293249.7	-32032.4	-527772.4	0.0	
		MIN	36	-1.02e+007	-1221303.1	-553551.5	-2330.0	-1779857.4	0.0	
			545	-3419586.4	-2353285.2	287397.4	3268.3	809959.1	0.0	
			555	-3416814.7	-439706.0	350293.1	-60612.4	913082.3	0.0	
			44	-9998135.2	-400771.8	-566941.3	-72641.2	-1875569.8	0.0	
1777	3	3 env SL~1 MAX	545	3358129.0	411396.6	-114602.7	31155.3	-812277.6	0.0	
			546	1.05e+007	423081.7	514909.2	30608.4	2069350.6	0.0	
			556	9939222.6	1117192.5	521813.8	-47279.4	2181154.7	0.0	
			555	3343522.6	2454075.4	-120623.5	-38455.3	-911690.8	0.0	
		MIN	545	-1.03e+007	-1117915.3	-487643.9	11199.2	-1981050.6	0.0	
			546	-3359740.3	-2453367.6	142891.2	7862.9	1132021.5	0.0	
			556	-3341911.2	-411312.2	184155.2	-69547.4	1247467.4	0.0	
			555	-1.01e+007	-423151.1	-465606.1	-73403.8	-2084235.4	0.0	

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1778 3 3 env SL~1 MAX 546 3286377.9 383660.8 39191.4 36248.9 -1141728.1 0.0
37 1.06e+007 447100.9 439232.5 26236.2 2042207.5 0.0
45 1.00e+007 1015994.7 410526.6 -57243.2 2172743.5 0.0
556 3271547.7 2562361.1 66631.8 -42535.1 -1237625.1 0.0

MIN 546 -1.04e+007 -1014837.9 -412364.5 21658.0 -2073064.7 0.0
37 -3295243.8 -2563524.3 -11233.4 8235.2 1349481.9 0.0
45 -3262681.8 -384005.9 -2769.6 -75408.4 1482498.9 0.0
556 -1.03e+007 -446749.4 -353921.7 -69787.0 -2181358.5 0.0

1779 3 3 env SL~1 MAX 37 3210189.1 356906.0 196995.5 39447.6 -1364808.0 0.0
547 1.07e+007 472495.1 353420.6 19076.3 1898517.1 0.0
557 1.01e+007 916328.6 287896.5 -61506.9 2047084.3 0.0
45 3195259.5 2679861.1 261521.5 -39442.6 -1468718.2 0.0

MIN 37 -1.05e+007 -913240.7 -326432.7 27590.0 -2053070.0 0.0
547 -3226369.7 -2682947.0 -168697.2 3623.3 1303735.8 0.0
557 -3179078.9 -357693.3 -197999.6 -78041.2 1441385.8 0.0
45 -1.04e+007 -471709.9 -231411.4 -61794.0 -2164366.5 0.0

1780 3 3 env SL~1 MAX 547 3129973.1 330952.4 360348.6 45268.4 -1327043.5 0.0
548 1.08e+007 499488.1 256062.3 14771.1 1710599.5 0.0
558 1.02e+007 819578.4 153256.2 -59220.5 1834283.9 0.0
557 3114669.0 2805937.6 466299.8 -29899.1 -1418359.2 0.0

MIN 547 -1.06e+007 -814435.9 -228389.4 28680.1 -1917197.4 0.0
548 -3153585.2 -2811059.5 -330911.9 -2225.2 1170481.7 0.0
558 -3091056.9 -332192.2 -403916.3 -81250.2 1306425.4 0.0
557 -1.05e+007 -498258.8 -97456.1 -49042.0 -2029170.5 0.0

1781 3 3 env SL~1 MAX 548 3046234.9 305592.2 530659.3 53216.9 -1201111.5 0.0
549 1.09e+007 528444.3 145637.4 15047.6 1750097.6 0.0
559 1.03e+007 727468.3 5938.5 -52379.6 1863047.3 0.0
558 3029843.3 2940095.8 683279.1 -17121.7 -1274594.6 0.0

MIN 548 -1.06e+007 -720129.1 -116661.8 26370.4 -1741433.6 0.0
549 -3077469.7 -2947406.8 -499118.7 -8968.5 944770.6 0.0
559 -2998608.5 -307337.6 -622999.4 -86549.4 1053109.0 0.0
558 -1.06e+007 -526720.1 48558.8 -40507.7 -1799346.5 0.0

1782 3 3 env SL~1 MAX 549 2959111.5 281600.9 709155.5 58693.8 -981600.2 0.0
550 1.10e+007 559080.8 20583.6 14502.9 1699892.8 0.0
560 1.03e+007 644647.0 -154514.8 -40383.1 1791963.3 0.0
559 2940720.7 3080062.0 914813.4 -1032.8 -1028742.3 0.0

MIN 549 -1.07e+007 -634621.7 10356.3 20927.1 -1786434.6 0.0

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				550	-2998087.1	-3090089.6	-674371.5	-16091.4	546920.3	0.0
				560	-2901745.1	-283784.7	-857777.2	-87890.4	589458.6	0.0
				559	-1.07e+007	-556896.9	207047.8	-35049.0	-1821155.4	0.0
1783	3	3	env SL~1 MAX	550	2868876.3	259025.3	896982.2	60924.5	-565200.8	0.0
				38	1.11e+007	592986.3	-120680.4	13271.6	1552056.5	0.0
				46	1.04e+007	572198.2	-328054.6	-21561.0	1609864.9	0.0
				560	2847824.2	3226804.2	1163372.7	24252.3	-561020.7	0.0
			MIN	550	-1.07e+007	-559457.8	154171.3	11731.0	-1740307.3	0.0
				38	-2915663.3	-3239579.0	-857752.5	-29022.7	-55256.8	0.0
				46	-2801037.2	-262014.0	-1110782.1	-84872.8	-50063.5	0.0
				560	-1.08e+007	-589963.3	378036.6	-27312.9	-1744748.2	0.0
1784	3	3	env SL~1 MAX	38	2770536.7	247300.9	1096168.2	59383.4	37538.5	0.0
				39	1.11e+007	613902.8	-279375.8	14090.0	1300349.2	0.0
				47	1.06e+007	582554.0	-513415.9	9769.2	1304710.8	0.0
				46	2749757.8	3334622.4	1430814.1	63344.5	80755.4	0.0
			MIN	38	-1.07e+007	-577233.1	317111.3	319.3	-1595180.8	0.0
				39	-2821896.9	-3345648.5	-1050910.3	-36623.0	-789380.6	0.0
				47	-2698397.6	-248398.3	-1384251.9	-75073.8	-845599.5	0.0
				46	-1.10e+007	-612623.5	559153.4	-16833.2	-1559686.1	0.0
1785	3	3	env SL~1 MAX	39	2674636.8	146108.4	1295453.2	52574.8	777836.1	0.0
				5040	1.13e+007	711280.4	-455633.3	-23152.1	929819.2	-1.9
				5048	1.05e+007	453948.4	-700196.4	64561.4	879898.4	-2.0
				47	2640925.8	3865734.7	1725013.9	100421.9	876100.8	0.0
			MIN	39	-1.07e+007	-461991.1	482408.0	-14437.0	-1338947.0	0.0
				5040	-2754137.7	-3837524.6	-1257523.4	-91856.3	-1707033.6	-2.8
				5048	-2561424.9	-144045.3	-1671123.5	-77932.9	-1796692.3	-2.9
				47	-1.10e+007	-713395.9	756894.6	-20422.5	-1259755.4	0.0
1786	3	3	env SL~1 MAX	5041	2231029.2	523765.3	-570588.3	-62898.7	2160712.7	-1.8
				42	4841885.3	439162.3	978582.9	-38106.0	-984692.9	0.0
				50	4527596.1	1473604.5	1032901.3	99565.6	-1022800.7	0.0
				5049	2227533.7	2392382.3	-643418.3	94866.9	2186049.7	-1.9
			MIN	5041	-4616532.7	-1498580.0	-944043.5	-96176.5	1491679.4	-2.6
				42	-2211095.8	-2367348.3	607107.6	-72634.0	-1566893.0	0.0
				50	-2247467.1	-515032.4	654136.7	68671.3	-1602523.4	0.0
				5049	-4752948.7	-447733.5	-1015479.3	66052.8	1533076.5	-2.7
1787	3	3	env SL~1 MAX	42	2183299.8	491460.3	-547040.5	-51491.2	1587585.5	0.0
				43	4921166.8	437651.3	854068.4	-12574.0	-474949.2	0.0
				51	4611146.3	1467447.4	921218.9	77789.2	-503530.3	0.0

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				50	2184494.2	2330611.4	-620085.0	58492.1	1589728.8	0.0	
			MIN	42	-4703506.2	-1467486.9	-831376.7	-86146.8	1004299.2	0.0	
				43	-2169306.6	-2330477.0	571894.4	-46914.4	-1182888.3	0.0	
				51	-2198487.4	-490668.5	642468.8	38052.2	-1209935.6	0.0	
				50	-4828807.0	-438418.4	-891949.2	25072.6	1016361.8	0.0	
1788	3	3	env SL~1	MAX	43	2144877.8	477477.4	-506668.3	-31583.8	1207358.4	0.0
					551	5030284.1	438918.2	740038.9	12624.3	-31712.4	0.0
					561	4722066.9	1467881.3	807775.1	56241.2	-52878.2	0.0
					51	2148478.4	2318756.0	-589877.1	34255.9	1194027.9	0.0
			MIN	43	-4817324.1	-1475206.1	-722213.9	-69317.2	499731.5	0.0	
				551	-2135432.6	-2311477.6	526358.2	-27497.5	-818928.3	0.0	
				561	-2158219.2	-475373.5	615919.0	11286.4	-836442.1	0.0	
				51	-4934790.4	-440949.7	-773638.6	-6434.9	492312.6	0.0	
1789	3	3	env SL~1	MAX	551	2106085.6	463755.3	-436369.9	-11761.9	844265.9	0.0
					552	5129201.0	436890.8	631444.8	33509.4	361501.0	0.0
					562	4820538.1	1460146.6	695760.0	34085.5	348049.9	0.0
					561	2110933.0	2294594.6	-519072.9	12476.8	820048.8	0.0
			MIN	551	-4919788.0	-1466737.1	-617382.8	-51766.3	58989.9	0.0	
				552	-2100063.4	-2288044.6	451400.9	-10945.7	-477954.9	0.0	
				562	-2116955.2	-461994.7	551279.6	-14092.6	-485499.8	0.0	
				561	-5029951.1	-438601.4	-657860.6	-35172.8	38829.8	0.0	
1790	3	3	env SL~1	MAX	552	2066622.6	452465.4	-369377.0	7530.5	501364.2	0.0
					553	5219231.6	434159.8	527215.6	49781.3	685871.0	0.0
					563	4908035.4	1450187.3	584895.4	11983.2	680094.9	0.0
					562	2071342.5	2276090.1	-438098.7	-5963.8	470741.4	0.0
			MIN	552	-5011915.3	-1456019.3	-515906.9	-33048.4	-334624.9	0.0	
				553	-2062686.6	-2270307.4	380767.7	2912.5	-162586.6	0.0	
				563	-2075278.5	-450977.1	473945.7	-36621.7	-159865.1	0.0	
				562	-5115333.4	-435610.5	-544242.7	-58274.5	-362937.7	0.0	
1791	3	3	env SL~1	MAX	553	2025364.7	443056.3	-304678.8	25028.8	181907.4	0.0
					554	5299658.9	431639.6	433750.4	61438.5	943482.2	0.0
					564	4981839.0	1439623.3	489526.2	-9550.3	945654.7	0.0
					563	2029443.2	2264554.8	-355600.9	-21352.2	148497.2	0.0
			MIN	553	-5092177.9	-1443736.4	-421884.4	-13953.6	-661695.8	0.0	
				554	-2023010.0	-2260478.8	313155.5	14213.4	124642.6	0.0	
				564	-2031797.9	-442022.9	394361.8	-56055.3	137668.6	0.0	
				563	-5189320.0	-432635.8	-454154.6	-76056.4	-694393.0	0.0	

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1792	3	3	env SL~1	MAX	554	1982320.4	435587.2	-241107.3	40164.0	-111090.1	0.0
					44	5370939.6	429770.6	394092.7	68672.1	1135956.8	0.0
					52	5042009.3	1429312.7	433990.2	-30039.4	1146457.8	0.0
					564	1985426.9	2262035.2	-271375.5	-33783.0	-144257.7	0.0
				MIN	554	-5161076.4	-1431684.8	-384189.0	4976.5	-923545.4	0.0
					44	-1981198.0	-2259702.5	247306.9	23086.8	381127.2	0.0
					52	-1986549.3	-434989.1	312413.5	-72366.9	404220.4	0.0
					564	-5251872.5	-430341.1	-396656.3	-88850.6	-958108.5	0.0
1793	3	3	env SL~1	MAX	44	1937387.8	429862.4	-177386.2	52702.1	-374604.0	0.0
					555	5433469.6	428585.3	351238.4	71569.6	1264052.7	0.0
					565	5088060.7	1419158.9	372291.3	-49013.1	1283323.7	0.0
					52	1939260.8	2269024.0	-185042.2	-43361.9	-405008.0	0.0
				MIN	44	-5218847.5	-1419710.2	-342769.7	23238.7	-1121527.1	0.0
					555	-1937232.1	-2268509.7	181866.5	29636.0	604053.9	0.0
					565	-1939416.6	-429699.7	227799.6	-85506.4	636675.9	0.0
					52	-5302682.8	-428728.4	-333522.5	-96918.6	-1156007.1	0.0
1794	3	3	env SL~1	MAX	555	1890456.3	425789.9	-94940.5	62446.6	-605445.3	0.0
					556	5487735.9	428251.3	304226.4	70132.5	1327593.3	0.0
					566	5119200.8	1408687.0	304302.9	-65984.1	1356130.7	0.0
					565	1890849.9	2286288.7	-89171.1	-50162.8	-631002.6	0.0
				MIN	555	-5265629.1	-1407366.4	-296657.2	40360.2	-1256232.0	0.0
					556	-1891049.8	-2287635.6	96665.0	33940.9	790259.3	0.0
					566	-1890256.3	-426060.4	139133.4	-95393.0	831541.5	0.0
					565	-5341346.1	-427954.5	-264634.5	-100428.6	-1289078.2	0.0
1795	3	3	env SL~1	MAX	556	1841362.0	423330.4	-2855.4	69201.9	-800101.5	0.0
					45	5535199.4	428843.1	251892.5	64270.2	1325402.0	0.0
					53	5135274.4	1397293.4	229634.2	-78530.7	1363788.7	0.0
					566	1840020.1	2314813.7	22079.9	-54221.2	-819114.7	0.0
				MIN	556	-5302453.8	-1394002.1	-244656.9	51528.4	-1327389.5	0.0
					45	-1842514.4	-2318121.9	2797.4	36059.4	930077.6	0.0
					53	-1838867.7	-424049.8	29939.5	-101904.4	975001.7	0.0
					566	-5368020.1	-428106.9	-189632.1	-99457.7	-1357350.1	0.0
1796	3	3	env SL~1	MAX	45	1789892.9	422525.5	92035.2	72751.2	-943858.4	0.0
					557	5575008.3	430357.9	192879.6	53978.6	1255226.3	0.0
					567	5133359.1	1384543.2	147648.2	-81545.9	1304228.8	0.0
					53	1786532.3	2355990.2	137614.6	-55524.5	-964426.7	0.0
				MIN	45	-5328216.6	-1379116.0	-185351.1	57814.2	-1333779.0	0.0
					557	-1791422.6	-2361429.0	-93795.0	30715.5	896010.7	0.0
					567	-1785002.6	-423719.2	-87396.3	-104878.8	947691.7	0.0

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			53	-5380150.8	-429156.0	-107939.1	-93988.1	-1359858.1	0.0		
1797	3	3	env SL~1	MAX	557	1735786.1	423485.5	191449.6	80139.3	-919037.3	0.0
					558	5607452.1	432899.6	125648.4	38772.7	1115623.5	0.0
					568	5110474.5	1369450.4	57474.0	-77922.7	1176742.2	0.0
					567	1730079.3	2411631.6	259078.9	-52357.3	-930550.8	0.0
				MIN	557	-5342321.4	-1361702.2	-117099.2	59525.0	-1273140.1	0.0
					558	-1737507.0	-2419387.5	-194929.9	19712.0	804669.4	0.0
					568	-1728358.5	-425199.9	-209524.0	-104245.3	847211.2	0.0
					567	-5375605.1	-431186.1	-18785.6	-83940.8	-1294619.1	0.0
1798	3	3	env SL~1	MAX	558	1678661.1	426322.9	308063.0	87857.3	-834072.0	0.0
					559	5632914.3	436515.8	48486.8	29708.8	1084985.8	0.0
					569	5062741.5	1351104.0	-41995.2	-69219.9	1143846.2	0.0
					568	1670209.2	2483988.7	388195.3	-40306.4	-833806.7	0.0
				MIN	558	-5344323.5	-1340722.0	-38029.9	54746.6	-1143932.7	0.0
					559	-1680374.2	-2494381.9	-302449.4	5823.8	614600.5	0.0
					569	-1668496.1	-428547.0	-337688.4	-102361.7	648081.3	0.0
					568	-5351332.4	-434280.5	78775.9	-69181.6	-1160865.2	0.0
1799	3	3	env SL~1	MAX	559	1618177.9	430777.7	434350.0	91889.6	-638967.3	0.0
					560	5652013.5	441956.3	-40485.7	23531.4	1018736.6	0.0
					570	4983686.2	1325789.6	-152124.5	-55276.6	1074777.1	0.0
					569	1606526.2	2576678.7	526829.4	-25000.2	-633089.9	0.0
				MIN	559	-5333122.1	-1313034.0	53979.2	45507.0	-1126877.7	0.0
					560	-1619869.6	-2589437.8	-423585.1	-11123.2	333991.6	0.0
					570	-1604834.4	-433615.4	-473260.9	-99945.1	366798.5	0.0
					569	-5302577.5	-439115.2	185868.6	-49082.5	-1109092.7	0.0
1800	3	3	env SL~1	MAX	560	1553669.4	436730.4	571657.0	91671.9	-362025.7	0.0
					46	5666079.5	447827.5	-143362.0	15189.7	882044.5	0.0
					54	4868877.0	1297123.8	-274517.1	-35768.0	930565.3	0.0
					570	1538027.2	2689753.4	677069.8	-6264.3	-350890.3	0.0
				MIN	560	-5310481.7	-1280484.5	161262.3	31436.5	-1065951.7	0.0
					46	-1555220.8	-2706465.5	-557613.7	-45847.9	-53716.7	0.0
					54	-1536475.8	-439613.0	-617914.2	-90894.7	-23539.3	0.0
					570	-5224474.8	-444872.1	303854.5	-30876.7	-1037527.4	0.0
1801	3	3	env SL~1	MAX	46	1486328.9	432803.7	723551.2	86516.3	23024.8	0.0
					47	5699139.0	472444.7	-261525.4	8081.4	666667.5	0.0
					55	4688361.8	1220978.3	-412242.2	-8996.5	698798.0	0.0
					54	1467483.6	2882027.2	840558.2	17355.3	39087.5	0.0

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			MIN	46	-5273829.9	-1196951.3	288102.3	11559.6	-932223.3	0.0
				47	-1494387.8	-2906032.0	-701784.5	-93286.5	-537515.0	0.0
				55	-1459424.8	-438645.2	-776368.0	-71369.2	-514799.0	0.0
				54	-5113670.8	-466625.4	432903.0	-15516.2	-892696.8	0.0
1802	3	3 env SL~1	MAX	47	1431625.6	494070.6	894812.7	87414.9	507013.7	0.0
				5048	5726882.9	485908.8	-398104.0	-34844.3	353921.1	-2.0
				5056	4639149.5	1646249.8	-560785.8	38412.1	369329.6	-2.0
				55	1395549.2	2985884.8	1017885.7	52519.9	529824.2	0.0
			MIN	47	-5350191.9	-1494223.3	427812.6	-4615.2	-711623.0	0.0
				5048	-1423959.6	-3139031.5	-852175.0	-195508.8	-1123650.7	-2.9
				5056	-1403215.2	-514207.5	-952473.5	-26668.5	-1119248.7	-2.8
				55	-5015840.5	-464651.7	578314.8	-6696.5	-658927.5	0.0
1803	3	3 env SL~1	MAX	5049	3085448.1	419210.7	-895103.6	-66049.2	3060194.1	-1.8
				50	6299505.3	533701.6	1429137.4	-50936.4	-1473903.7	0.0
				58	5828628.5	984073.8	1390936.8	96515.0	-1501043.7	0.0
				5057	3089059.3	2826874.3	-931729.6	101474.7	3049393.1	-1.8
			MIN	5049	-5962571.7	-980060.4	-1390149.5	-94863.7	2238470.1	-2.6
				50	-3105711.5	-2830846.5	934150.0	-84322.0	-2252066.5	0.0
				58	-3068795.9	-419381.1	958038.5	63042.7	-2282249.1	0.0
				5057	-6165562.1	-533533.5	-1358034.0	76313.5	2278107.2	-2.6
1804	3	3 env SL~1	MAX	50	3037732.6	404418.5	-849022.4	-36865.9	2264861.2	0.0
				51	6461980.1	531348.4	1260537.4	-21114.3	-726493.6	0.0
				59	6029908.0	977700.8	1238556.6	74149.4	-755829.6	0.0
				58	3054668.6	2811818.5	-895093.3	72521.0	2276143.3	0.0
			MIN	50	-6130069.1	-992786.9	-1219082.2	-78482.8	1480342.6	0.0
				51	-3061121.1	-2796716.3	885336.2	-54629.0	-1674649.8	0.0
				59	-3031280.1	-399750.3	924134.8	34756.1	-1695761.3	0.0
				58	-6361819.0	-535962.9	-1208121.0	45513.4	1511453.2	0.0
1805	3	3 env SL~1	MAX	51	2980252.9	386498.8	-797874.3	-10542.2	1690557.6	0.0
				561	6583570.8	521966.2	1099407.6	9667.4	-80347.7	0.0
				571	6181680.9	997526.9	1085612.1	53040.2	-107851.2	0.0
				59	3004810.2	2728465.9	-847467.1	50498.4	1688697.7	0.0
			MIN	51	-6269351.7	-1006547.5	-1055242.2	-57416.1	737711.3	0.0
				561	-3004928.4	-2719424.7	835536.1	-32139.7	-1131331.6	0.0
				571	-2980134.7	-383566.7	876268.5	10715.2	-1141675.3	0.0
				59	-6495899.9	-524857.8	-1057886.7	21606.3	762937.5	0.0
1806	3	3 env SL~1	MAX	561	2923327.3	379536.1	-683552.5	14228.6	1147724.8	0.0
				562	6695111.8	508656.4	942823.6	36280.6	493301.8	0.0

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			572	6320999.7	1050193.9	933190.2	32365.9	470689.0	0.0
			571	2949242.2	2634555.1	-753769.3	30193.1	1134605.1	0.0
		MIN	561	-6407588.2	-1057667.6	-896915.6	-36578.2	94396.1	0.0
			562	-2946586.0	-2627062.6	723080.4	-12384.2	-625683.7	0.0
			572	-2925763.9	-377225.2	779596.6	-10873.1	-624709.0	0.0
			571	-6608615.5	-510934.3	-907207.3	-56.7	112159.3	0.0
1807	3	3 env SL~1 MAX	562	2866149.2	377705.4	-573740.0	36086.5	640442.1	0.0
			563	6792522.4	493840.9	790583.2	57885.2	967817.6	0.0
			573	6447803.2	1116014.4	781508.0	12408.4	951643.4	0.0
			572	2891546.9	2537799.3	-638991.2	12397.8	619049.5	0.0
		MIN	562	-6534448.5	-1121355.3	-743464.8	-15737.5	-478414.0	0.0
			563	-2887050.8	-2532472.8	613058.3	4800.1	-161324.5	0.0
			573	-2870645.3	-376046.8	665028.2	-29879.2	-149251.2	0.0
			572	-6705877.1	-495475.4	-756735.5	-22453.0	-468229.8	0.0
1808	3	3 env SL~1 MAX	563	2806889.6	379666.0	-467217.3	54792.9	172692.4	0.0
			564	6873375.2	478485.0	659967.6	74542.0	1346843.7	0.0
			574	6559885.2	1188669.3	674578.3	-6469.2	1337799.6	0.0
			573	2831114.8	2444707.8	-521747.4	-2952.8	146156.5	0.0
		MIN	563	-6645156.5	-1192306.2	-623259.1	4568.8	-953519.5	0.0
			564	-2824642.9	-2441082.0	506290.8	19393.6	258259.0	0.0
			574	-2813361.5	-378490.2	548029.2	-46002.5	280593.6	0.0
			573	-6788103.9	-479641.7	-645931.6	-41104.7	-950636.3	0.0
1809	3	3 env SL~1 MAX	564	2745062.2	384819.4	-362473.7	70363.9	-251669.9	0.0
			52	6934652.9	462620.2	592986.2	86520.0	1633070.1	0.0
			60	6653715.0	1266793.6	590608.7	-23883.7	1631301.0	0.0
			574	2767052.0	2355467.1	-401941.6	-15788.0	-280176.6	0.0
		MIN	564	-6736579.7	-1268588.1	-555950.3	23939.7	-1334389.9	0.0
			52	-2758970.8	-2353681.0	401348.5	31453.5	629447.7	0.0
			60	-2753143.4	-384116.0	428422.1	-59210.3	660650.2	0.0
			574	-6851788.2	-463308.0	-562289.4	-55685.2	-1337377.5	0.0
1810	3	3 env SL~1 MAX	52	2680343.5	393117.5	-257762.1	82765.5	-628660.1	0.0
			565	6974104.1	446216.1	520504.2	94019.9	1827946.3	0.0
			575	6726385.9	1350839.5	498786.2	-39422.6	1833229.7	0.0
			60	2698868.1	2270085.9	-279199.6	-26115.9	-656058.0	0.0
		MIN	52	-6806548.3	-1350705.0	-482991.4	41947.8	-1623520.8	0.0
			565	-2689724.8	-2270218.7	296523.6	41032.6	948283.4	0.0
			575	-2689486.8	-392893.4	305793.4	-69397.7	986438.3	0.0
			60	-6893941.7	-446441.9	-470943.8	-66228.9	-1630668.4	0.0

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1811 3 3 env SL~1 MAX 565 2612402.4 404540.7 -140451.6 91915.2 -953956.7 0.0
566 6989315.5 429296.9 441143.0 97175.7 1931651.1 0.0
576 6775513.4 1441457.2 398916.6 -50678.1 1943515.0 0.0
575 2626160.4 2188225.4 -152093.3 -33968.0 -977330.5 0.0

MIN 565 -6852818.9 -1439318.0 -403003.6 58143.3 -1822191.8 0.0
566 -2616597.6 -2190363.3 187453.7 48171.5 1210262.0 0.0
576 -2621965.1 -404783.2 174961.3 -76404.1 1252947.4 0.0
575 -6912010.0 -429055.7 -371700.7 -72802.2 -1831730.6 0.0

1812 3 3 env SL~1 MAX 566 2540961.3 418919.0 -2499.1 97675.0 -1222688.8 0.0
53 6979320.9 412015.8 353150.6 96042.1 1943074.5 0.0
61 6801214.4 1539525.9 290535.0 -52731.9 1960884.5 0.0
576 2548757.4 2109268.1 3515.7 -39390.1 -1239338.0 0.0

MIN 566 -6874727.2 -1535357.2 -314250.5 72033.7 -1930431.7 0.0
53 -2539346.8 -2113440.5 49041.7 52884.2 1410135.2 0.0
61 -2550371.9 -419625.5 18699.2 -80018.1 1430972.6 0.0
576 -6905808.1 -411305.7 -264079.8 -75472.1 -1940675.6 0.0

1813 3 3 env SL~1 MAX 53 2465815.6 436198.5 152248.8 99850.4 -1424616.9 0.0
567 6939724.0 394508.3 254429.6 90584.7 1859843.2 0.0
577 6802285.7 1646349.0 172959.2 -50892.2 1882863.5 0.0
61 2466732.7 2031899.6 163966.7 -42433.0 -1426154.6 0.0

MIN 53 -6868377.4 -1640179.7 -214671.6 76631.3 -1947005.2 0.0
567 -2457782.0 -2038081.1 -102361.7 55145.4 1350662.2 0.0
577 -2474766.4 -437362.0 -141962.9 -79978.7 1356379.1 0.0
61 -6873632.2 -393332.7 -147361.9 -74283.9 -1956438.3 0.0

1814 3 3 env SL~1 MAX 567 2386833.2 456470.6 314963.3 98190.5 -1361717.7 0.0
568 6866475.1 376466.4 142561.1 80697.4 1682652.1 0.0
578 6779702.5 1764509.0 45351.6 -44816.9 1710694.2 0.0
577 2380370.9 1952905.0 330294.0 -39768.3 -1351291.0 0.0

MIN 567 -6830744.7 -1756391.0 -101916.1 75227.1 -1869452.8 0.0
568 -2371727.2 -1961033.1 -264990.3 50205.6 1173361.0 0.0
578 -2395477.0 -458073.5 -308376.1 -76135.8 1175716.3 0.0
577 -6815432.9 -374854.3 -20641.3 -69288.8 -1876768.8 0.0

1815 3 3 env SL~1 MAX 568 2303986.6 480042.7 487060.5 93968.6 -1186765.5 0.0
569 6754228.5 357462.3 14825.4 66356.8 1569619.4 0.0
579 6736021.1 1898298.1 -93215.9 -34310.1 1597185.7 0.0
578 2290153.2 1867238.8 503813.2 -31464.6 -1170754.5 0.0

MIN 568 -6758204.3 -1888391.5 26626.8 67192.4 -1698529.1 0.0
569 -2281044.0 -1877151.6 -437218.2 39276.6 886765.0 0.0

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				579	-2313095.9	-482112.2	-481764.6	-72705.0	884711.5	0.0
				578	-6732045.3	-355388.1	117118.9	-60586.8	-1703106.4	0.0
1816	3	3	env SL~1 MAX	569	2217093.2	507772.0	670474.0	92276.4	-901756.4	0.0
				570	6595637.5	336802.3	-131788.5	47085.5	1447296.3	0.0
				580	6675722.3	2056191.6	-243701.8	-19338.1	1461577.7	0.0
				579	2196459.0	1766999.8	685657.2	-19530.0	-880328.1	0.0
			MIN	569	-6646278.3	-2044162.7	173796.7	53983.8	-1604373.0	0.0
				570	-2185310.0	-1779045.3	-621142.5	25314.5	486194.3	0.0
				580	-2228242.1	-510284.3	-663097.8	-67130.0	478447.9	0.0
				579	-6625081.4	-334276.1	267048.9	-47948.8	-1573411.7	0.0
1817	3	3	env SL~1 MAX	570	2126151.6	539402.3	866938.6	84601.3	-502102.4	0.0
				54	6380009.1	315673.8	-300512.8	37500.0	1219055.8	0.0
				62	6599200.4	2239947.1	-407022.8	1009.5	1217031.8	0.0
				580	2099759.7	1646710.8	876736.1	-3856.2	-475182.2	0.0
			MIN	570	-6486001.3	-2227397.8	342596.8	35028.2	-1484545.9	0.0
				54	-2084722.0	-1659304.9	-818863.4	8393.5	-65445.8	0.0
				62	-2141189.3	-542756.0	-852920.5	-56655.0	-79711.6	0.0
				580	-6493208.3	-312335.4	430294.1	-32250.9	-1439211.7	0.0
1818	3	3	env SL~1 MAX	54	2027687.8	588210.1	1079111.2	68910.9	49897.5	0.0
				55	6069826.2	281047.6	-495731.5	28093.6	870656.6	0.0
				63	6536645.8	2524812.8	-584865.9	24612.2	851285.4	0.0
				62	1998401.8	1435449.6	1078138.1	16416.0	81187.3	0.0
			MIN	54	-6265589.7	-2508608.5	537515.6	7957.2	-1256924.4	0.0
				55	-1971082.8	-1451711.4	-1033822.4	-15281.1	-755023.2	0.0
				63	-2055006.8	-591809.7	-1051536.2	-42690.3	-773626.5	0.0
				62	-6340882.3	-277398.2	608437.0	-21464.7	-1198469.4	0.0
1819	3	3	env SL~1 MAX	55	1908852.9	620556.8	1314423.5	49972.0	739998.0	0.0
				5056	5566882.4	227447.8	-711946.8	26680.1	395773.4	-1.9
				5064	6388441.8	2653830.9	-779827.3	53368.4	349280.8	-1.8
				63	1882628.3	1069664.9	1288610.0	43168.6	773066.5	0.0
			MIN	55	-5871875.7	-2741626.7	760338.4	-28242.3	-910527.1	0.0
				5056	-1838870.2	-982283.1	-1270192.9	-38408.0	-1591943.2	-2.7
				5064	-1952610.9	-611815.7	-1260949.7	-13927.1	-1612379.4	-2.6
				63	-6083448.6	-235618.2	796791.0	-6040.3	-838871.8	0.0
1820	3	3	env SL~1 MAX	5057	3009836.0	393067.7	-941905.9	-76302.9	3036699.8	-1.8
				58	6023029.5	698296.5	1372885.7	-61972.8	-1555140.6	0.0
				66	5339515.9	250385.7	1380221.4	96079.4	-1559941.8	0.0
				5065	3092675.2	3496377.4	-978928.7	100351.4	3034837.3	-1.8

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			MIN	5057	-5437544.2	-289926.4	-1343787.8	-101471.1	2364456.8	-2.6	
				58	-3095090.5	-3456904.8	977233.0	-91117.3	-2314623.0	0.0	
				66	-3007420.7	-405107.6	1008956.9	55479.4	-2337877.9	0.0	
				5065	-5925001.1	-708230.7	-1343562.7	73403.1	2391035.7	-2.6	
1821	3	3	env SL~1	MAX	58	2969862.5	315684.5	-896909.8	-41918.3	2320728.8	0.0
					59	6159582.2	654962.4	1228279.0	-36099.3	-804061.6	0.0
					67	5532309.5	341162.3	1229407.1	74455.1	-813030.1	0.0
					66	3040059.8	3258091.1	-935979.3	70124.9	2328898.0	0.0
			MIN	58	-5629439.2	-354484.7	-1193674.7	-81437.8	1544382.8	0.0	
				59	-3046248.4	-3244796.4	929214.7	-64486.7	-1703423.1	0.0	
				67	-2963673.9	-319723.6	969029.7	32448.3	-1717124.4	0.0	
				66	-6062452.5	-658449.1	-1192120.5	43465.5	1562637.1	0.0	
1822	3	3	env SL~1	MAX	59	2933434.8	253332.7	-843223.0	-16760.2	1710486.8	0.0
					571	6305924.0	615895.7	1081912.5	-13203.9	-146338.0	0.0
					581	5757431.0	461511.6	1077839.4	52869.8	-155441.7	0.0
					67	2995514.5	3069044.4	-881020.1	47742.0	1706057.2	0.0
			MIN	59	-5832387.5	-475322.7	-1047252.8	-60161.0	796953.7	0.0	
				571	-3000137.0	-3055269.6	875108.5	-43308.4	-1127592.7	0.0	
				581	-2928812.4	-249684.3	914489.9	9242.4	-1131450.5	0.0	
				67	-6230967.5	-619491.1	-1040608.3	18960.6	813595.3	0.0	
1823	3	3	env SL~1	MAX	571	2891813.6	263870.3	-734415.8	5766.2	1134662.9	0.0
					572	6436830.4	581343.3	933872.8	7667.3	444117.2	0.0
					582	5985150.5	577394.9	927069.5	31933.4	437322.3	0.0
					581	2953712.7	2888777.5	-783347.5	26911.5	1119895.7	0.0
			MIN	571	-6017011.6	-589167.0	-899088.1	-39924.9	142029.9	0.0	
				572	-2950240.6	-2877026.2	765924.4	-24583.8	-593001.4	0.0	
				582	-2895285.6	-260669.3	817194.2	-11154.0	-586798.5	0.0	
				581	-6404969.3	-584506.1	-889963.4	-2577.7	154786.8	0.0	
1824	3	3	env SL~1	MAX	572	2848397.2	278069.1	-619195.3	25685.9	598660.9	0.0
					573	6553459.3	545177.3	785677.6	28496.7	937518.6	0.0
					583	6208166.5	710835.6	777345.5	11829.7	933905.6	0.0
					582	2910108.1	2699992.2	-661512.0	9012.1	576672.9	0.0
			MIN	572	-6192636.0	-721406.9	-750652.4	-20179.9	-446576.4	0.0	
				573	-2897363.9	-2689433.9	650132.9	-8082.2	-104574.3	0.0	
				583	-2861141.4	-275156.7	695929.8	-29237.3	-88694.6	0.0	
				582	-6568989.8	-548058.3	-740479.9	-20541.4	-438011.0	0.0	
1825	3	3	env SL~1	MAX	573	2802796.4	298676.5	-505010.8	42487.1	107669.0	0.0

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				574	6648817.9	504887.5	676685.3	45378.6	1334703.8	0.0
				584	6414611.3	871413.8	692072.4	-7075.6	1334938.7	0.0
				583	2862636.2	2492763.7	-537001.2	-6302.1	81437.9	0.0
			MIN	573	-6354638.3	-879819.1	-646413.1	-1373.4	-938525.8	0.0
				574	-2840621.9	-2484363.7	535526.5	6073.9	333245.8	0.0
				584	-2824810.7	-296307.9	571840.7	-44562.2	357888.3	0.0
				583	-6708790.9	-507244.6	-656989.3	-36868.9	-934241.2	0.0
1826	3	3	env SL~1 MAX	574	2752881.0	326647.6	-391085.8	56309.1	-333662.8	0.0
				60	6717107.9	460537.8	599715.9	58305.6	1637026.4	0.0
				68	6594586.2	1060823.2	600934.5	-24402.8	1641174.0	0.0
				584	2806665.6	2269467.9	-409831.9	-19070.4	-361217.1	0.0
			MIN	574	-6497676.3	-1066532.9	-569645.7	16183.3	-1335125.9	0.0
				60	-2777437.2	-2263758.4	421333.7	17884.1	716187.0	0.0
				68	-2782109.3	-324963.0	444939.3	-57018.6	748180.9	0.0
				584	-6814017.8	-462216.5	-565649.4	-49626.8	-1334309.2	0.0
1827	3	3	env SL~1 MAX	60	2697701.5	361388.3	-276210.9	67133.6	-720779.2	0.0
				575	6755207.7	413326.7	516472.6	67342.8	1845194.9	0.0
				585	6741841.7	1275722.0	501988.6	-39760.7	1852852.3	0.0
				68	2741077.5	2036248.8	-279711.8	-29352.7	-746917.8	0.0
			MIN	60	-6616937.1	-1278296.1	-486464.1	32115.5	-1637659.1	0.0
				575	-2707207.1	-2033674.5	306336.6	27369.5	1039827.8	0.0
				585	-2731572.0	-360499.9	314941.5	-66463.5	1077326.5	0.0
				68	-6880112.3	-414214.4	-466641.8	-58872.0	-1639131.7	0.0
1828	3	3	env SL~1 MAX	575	2636553.1	401587.4	-154999.4	74857.0	-1048935.6	0.0
				576	6762090.1	364987.4	425818.3	72569.8	1959024.6	0.0
				586	6852538.2	1509935.8	395101.5	-49608.8	1969395.9	0.0
				585	2665570.4	1800731.6	-142989.3	-37185.5	-1071172.0	0.0
			MIN	575	-6708942.8	-1509211.2	-395731.3	46021.1	-1846694.0	0.0
				576	-2629797.1	-1801454.7	189005.5	34564.2	1299326.6	0.0
				586	-2672326.5	-401540.4	179110.0	-72720.9	1340093.4	0.0
				585	-6905685.5	-365038.8	-359833.1	-64634.8	-1849108.7	0.0
1829	3	3	env SL~1 MAX	576	2569045.2	445517.1	-1184.8	79306.3	-1312936.0	0.0
				61	6739633.4	317436.7	326302.1	74054.8	1977281.8	0.0
				69	6925317.7	1755856.6	279834.6	-51642.4	1989204.8	0.0
				586	2580412.9	1570457.5	10891.5	-42581.7	-1329087.1	0.0
			MIN	576	-6772630.2	-1751934.8	-295993.6	51747.9	-1961864.0	0.0
				61	-2545475.4	-1574377.2	37017.1	39502.6	1429454.9	0.0
				69	-2603982.8	-446298.7	25167.0	-75577.5	1435724.4	0.0
				586	-6892320.9	-316663.4	-244787.8	-66931.8	-1963821.6	0.0

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1830	3	3	env SL~1	MAX	61	2495165.2	491277.3	157379.0	80247.2	-1434272.9	0.0
					577	6690678.5	272300.0	216244.3	71841.2	1897609.7	0.0
					587	6961626.6	2005068.8	155505.6	-50132.8	1909550.0	0.0
					69	2486354.6	1352564.3	169450.1	-45525.2	-1432274.8	0.0
				MIN	61	-6808441.2	-1998336.5	-185564.1	51206.7	-1981728.0	0.0
					577	-2454891.4	-1359305.4	-121672.1	42210.0	1350834.6	0.0
					587	-2526628.4	-492811.9	-133266.2	-74778.5	1356742.2	0.0
					69	-6843863.9	-270765.5	-120830.5	-65766.6	-1981838.3	0.0
1831	3	3	env SL~1	MAX	577	2415335.9	536999.7	322211.0	77386.5	-1355922.6	0.0
					578	6619753.8	231028.7	93835.1	66034.3	1722551.5	0.0
					588	6963304.1	2248781.2	21260.4	-44831.7	1733202.1	0.0
					587	2384625.1	1153101.2	333874.8	-42101.3	-1352634.2	0.0
				MIN	577	-6818061.7	-2239969.2	-62620.2	46777.2	-1903704.4	0.0
					578	-2359059.6	-1161926.5	-286719.0	38093.4	1164376.7	0.0
					588	-2440901.3	-539159.4	-297476.0	-73176.2	1169180.8	0.0
					587	-6764996.1	-228869.0	12880.0	-61297.3	-1900619.2	0.0
1832	3	3	env SL~1	MAX	578	2330418.5	581145.2	494680.4	72491.6	-1169338.5	0.0
					579	6534689.0	194028.8	-42745.4	56608.3	1573288.3	0.0
					589	6937076.1	2478753.0	-123840.3	-35537.7	1597939.2	0.0
					588	2276943.9	975427.4	505530.3	-33791.1	-1164501.6	0.0
				MIN	578	-6807239.4	-2468812.4	74680.3	38067.9	-1730139.4	0.0
					579	-2259247.6	-985386.4	-459454.1	28625.1	868363.2	0.0
					589	-2348114.7	-583712.5	-468865.7	-72253.3	872472.5	0.0
					588	-6664525.6	-191461.6	157260.7	-53404.3	-1723206.2	0.0
1833	3	3	env SL~1	MAX	579	2241892.8	622862.9	675841.3	69494.1	-872746.6	0.0
					580	6445582.8	161061.2	-195184.8	43388.9	1412217.8	0.0
					590	6893439.0	2687212.0	-280709.2	-22223.5	1423985.4	0.0
					589	2165758.0	819887.3	685667.7	-21691.4	-867485.2	0.0
				MIN	579	-6784746.0	-2677914.7	228038.0	25214.9	-1597062.3	0.0
					580	-2157042.5	-829216.8	-640860.4	15219.0	457396.4	0.0
					590	-2250608.3	-625644.0	-648757.7	-66580.3	460953.5	0.0
					589	-6554275.8	-158280.1	313211.4	-42088.7	-1574199.8	0.0
1834	3	3	env SL~1	MAX	580	2151493.0	663977.0	866159.2	61883.4	-460662.0	0.0
					62	6366401.1	128644.6	-364804.3	29883.7	1140925.7	0.0
					70	6853400.5	2879460.0	-450039.6	-3651.3	1135514.0	0.0
					590	2054041.1	678826.3	875315.8	-5152.9	-455826.9	0.0
				MIN	580	-6766493.8	-2870227.9	398871.1	7711.6	-1434583.8	0.0

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				62	-2053250.1	-688088.2	-831319.9	-2897.3	-104560.4	0.0	
				70	-2152283.9	-666556.1	-838264.3	-55143.0	-101279.6	0.0	
				590	-6453307.8	-126065.6	481328.2	-31613.3	-1400223.0	0.0	
1835	3	3	env SL~1	MAX	62	2061951.7	695403.2	1064674.8	48236.0	103084.7	0.0
					63	6327143.5	176089.7	-552887.6	19420.0	748694.6	0.0
					71	6805049.4	2981016.2	-632180.5	19610.3	722277.7	0.0
					70	1945279.8	598691.6	1075203.9	16572.7	106310.3	0.0
				MIN	62	-6762387.8	-2981944.6	587570.6	-14528.2	-1159488.1	0.0
					63	-1953480.4	-597866.4	-1030194.7	-26940.5	-799848.7	0.0
					71	-2053751.1	-697291.3	-1037793.1	-39417.6	-795667.1	0.0
					70	-6369805.1	-175012.2	662852.8	-21004.6	-1113763.8	0.0
1836	3	3	env SL~1	MAX	63	1991706.1	729013.5	1271273.2	29310.7	800408.6	0.0
					5064	6512000.2	124255.5	-761139.9	13938.7	226710.4	-1.8
					5072	6810823.5	3076936.4	-828558.7	51067.4	169432.4	-1.8
					71	1852810.8	770583.1	1283225.2	43668.0	800933.6	0.0
				MIN	63	-6917282.3	-2989268.4	801328.8	-40840.3	-761108.2	0.0
					5064	-1876151.2	-858466.4	-1235180.6	-53364.1	-1631933.1	-2.6
					5072	-1968365.7	-742426.8	-1247427.0	-9820.6	-1628691.1	-2.6
					71	-6405541.4	-154503.2	853725.1	-6333.7	-703894.3	0.0
1837	3	3	env SL~1	MAX	5065	2891785.5	724045.2	-1007782.0	-73398.9	3064871.4	-1.8
					66	5595133.5	887743.8	1401441.8	-59588.6	-1615238.5	0.0
					74	4467075.0	20250.3	1425487.0	104104.3	-1644001.6	0.0
					5073	3018815.8	4183270.5	-1068189.3	109068.3	3112575.8	-1.8
				MIN	5065	-4699813.0	-20487.9	-1356159.9	-100348.0	2462266.8	-2.6
					66	-3056751.2	-4182355.9	1048457.3	-88593.4	-2375409.4	0.0
					74	-2853850.1	-724959.8	1092869.4	74043.8	-2412810.2	0.0
					5073	-5362395.4	-887506.9	-1398878.0	88181.0	2535999.9	-2.5
1838	3	3	env SL~1	MAX	66	2876369.4	665062.6	-953783.0	-40012.6	2384389.3	0.0
					67	5886629.6	868874.8	1244922.1	-33725.0	-848147.8	0.0
					75	4882808.0	28747.9	1273332.9	82970.1	-866287.2	0.0
					74	3024566.3	4086715.4	-1024082.1	72827.1	2404525.2	0.0
				MIN	66	-5019601.7	-21761.5	-1199412.8	-81615.8	1612543.2	0.0
					67	-3039609.8	-4056702.8	989919.0	-61706.4	-1721529.5	0.0
					75	-2861325.8	-695075.2	1053301.5	53170.1	-1742792.1	0.0
					74	-5749835.9	-875882.6	-1246951.5	46883.4	1659151.0	0.0
1839	3	3	env SL~1	MAX	67	2860095.5	638486.6	-891205.9	-17945.1	1732596.7	0.0
					581	6163134.1	836902.5	1088650.8	-9817.9	-174723.3	0.0
					591	5325262.9	41906.1	1115961.6	59098.7	-181315.3	0.0

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			75	3036421.4	3902121.2	-960700.3	48837.5	1733087.8	0.0
		MIN	67	-5334531.0	-34041.1	-1045048.8	-60490.7	847582.6	0.0
			581	-3020072.5	-3869850.3	926108.0	-39421.4	-1109341.6	0.0
			591	-2876444.4	-670805.6	991153.6	24944.7	-1114734.7	0.0
			75	-6153866.1	-844755.2	-1087672.7	20739.0	873303.8	0.0
1840	3	3 env SL~1 MAX	581	2847564.1	512445.4	-780855.4	2587.7	1120896.3	0.0
			582	6413244.0	776060.4	934805.6	9930.9	430336.1	0.0
			592	5754037.6	28558.6	958963.6	35643.9	432303.9	0.0
			591	3034133.7	3607639.3	-856009.7	26156.8	1106245.5	0.0
		MIN	581	-5661347.0	-20682.8	-895336.7	-40359.8	175316.1	0.0
			582	-2994114.3	-3575535.1	813962.1	-20476.2	-545304.4	0.0
			592	-2887583.5	-544549.6	888258.3	350.4	-536822.6	0.0
			591	-6505934.6	-783947.7	-927964.0	-2980.7	185948.0	0.0
1841	3	3 env SL~1 MAX	582	2831972.8	340087.0	-656878.0	21764.5	555429.9	0.0
			583	6616782.8	693312.8	784566.3	27831.8	935908.5	0.0
			593	6141355.1	-10171.3	827921.1	13109.3	943615.7	0.0
			592	3012183.8	3225418.6	-718803.5	6915.6	531194.5	0.0
		MIN	582	-5974875.0	16930.9	-748070.8	-20469.3	-429647.4	0.0
			583	-2956421.1	-3197943.7	688334.9	-4075.6	-34552.7	0.0
			593	-2887735.6	-348723.9	752701.9	-21207.2	-14596.8	0.0
			592	-6783262.9	-700081.2	-793990.4	-21688.6	-427944.6	0.0
1842	3	3 env SL~1 MAX	583	2811937.9	187727.8	-533879.2	38274.3	41809.3	0.0
			584	6771162.0	596566.2	698353.1	42218.9	1342931.7	0.0
			594	6480906.4	-9093.8	731595.7	-7897.6	1354520.5	0.0
			593	2972357.3	2787687.5	-578954.5	-9428.0	12548.7	0.0
		MIN	583	-6264523.7	-12447.7	-668153.9	-1452.0	-935572.9	0.0
			584	-2907717.9	-2766172.5	564037.8	9837.3	418553.2	0.0
			594	-2876577.3	-194531.6	614151.2	-39221.9	447644.0	0.0
			593	-6987550.6	-601857.3	-696439.7	-36168.9	-938916.9	0.0
1843	3	3 env SL~1 MAX	584	2783738.6	151693.3	-410889.0	51970.1	-415224.4	0.0
			68	6874023.9	492015.8	611682.3	53200.1	1652525.7	0.0
			76	6769630.5	365539.1	627359.1	-26847.1	1666631.0	0.0
			594	2916136.8	2318671.6	-436119.6	-22979.0	-445788.4	0.0
		MIN	584	-6520158.6	-380260.8	-582373.2	16308.7	-1343561.1	0.0
			68	-2846485.9	-2303972.4	440122.5	21366.3	809915.2	0.0
			76	-2853389.5	-148069.8	473041.5	-53568.8	845878.3	0.0
			594	-7123495.8	-495626.3	-591312.9	-47554.9	-1349272.0	0.0

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1844	3	3 env SL~1 MAX	68	2745445.6	238662.3	-286591.0	62690.5	-811178.3	0.0
			585	6926202.2	384564.4	518696.8	60825.9	1865187.2	0.0
			595	7006122.8	789825.6	515561.6	-43296.6	1880719.7	0.0
			76	2843799.4	1838235.7	-291519.7	-33797.1	-840078.3	0.0
		MIN	68	-6736238.0	-797407.2	-489935.2	32389.2	-1654568.0	0.0
			585	-2772361.2	-1830670.5	315267.8	30578.1	1135266.6	0.0
			595	-2816883.8	-236803.8	329159.6	-64155.2	1175855.0	0.0
			76	-7196087.1	-386414.6	-478967.8	-56900.3	-1660854.7	0.0
1845	3	3 env SL~1 MAX	585	2696336.2	334272.8	-153812.8	70272.4	-1141421.2	0.0
			586	6930225.1	278159.5	418241.2	65118.6	1980452.2	0.0
			596	7189661.5	1248399.0	395967.8	-53205.4	1996388.2	0.0
			595	2756861.7	1362972.4	-143860.8	-41887.0	-1166291.6	0.0
		MIN	585	-6909456.9	-1248712.0	-389683.2	46368.1	-1868930.8	0.0
			586	-2686033.0	-1362670.5	187516.5	37505.6	1389859.8	0.0
			596	-2767164.8	-334192.6	181833.1	-70892.5	1432021.9	0.0
			595	-7210429.7	-278236.2	-359170.4	-62484.1	-1874544.7	0.0
1846	3	3 env SL~1 MAX	586	2635956.5	435052.6	-88.6	74534.1	-1400866.2	0.0
			69	6889267.4	176260.2	308853.0	66077.6	1996689.4	0.0
			77	7318423.3	1726277.6	267921.4	-55749.1	2011876.9	0.0
			596	2656442.4	908276.0	13359.2	-47221.0	-1419801.2	0.0
		MIN	586	-7037466.4	-1719326.1	-280156.1	51092.2	-1986026.5	0.0
			69	-2588320.9	-915233.8	33755.4	42146.8	1440511.4	0.0
			77	-2704078.0	-436726.0	24864.8	-73659.5	1449740.6	0.0
			596	-7170224.2	-174588.2	-231262.9	-64344.3	-1990005.5	0.0
1847	3	3 env SL~1 MAX	69	2563984.5	537478.6	158256.4	75266.6	-1443961.0	0.0
			587	6808516.4	82161.4	188826.5	63688.0	1911561.6	0.0
			597	7389540.8	2207604.6	130479.9	-54657.8	1925059.1	0.0
			77	2543247.0	489606.3	174996.9	-49743.3	-1446458.7	0.0
		MIN	69	-7119556.1	-2193513.8	-159646.3	50936.6	-2004056.0	0.0
			587	-2480154.6	-503699.0	-124578.5	44467.9	1358827.6	0.0
			597	-2627076.9	-540851.9	-136783.9	-73657.1	1367138.3	0.0
			77	-7078501.1	-78794.7	-94304.8	-62470.3	-2005533.5	0.0
1848	3	3 env SL~1 MAX	587	2480205.6	637656.3	322559.7	72226.0	-1363058.7	0.0
			588	6691688.3	109674.4	56279.4	58116.3	1727149.1	0.0
			598	7397376.2	2674417.7	-17463.5	-49645.6	1736493.9	0.0
			597	2417677.7	123884.4	342069.4	-45202.0	-1364078.6	0.0
		MIN	587	-7153520.4	-2653459.5	-26260.8	47123.7	-1920338.6	0.0
			588	-2362664.1	-144839.3	-288843.2	38597.0	1168444.0	0.0
			598	-2535219.2	-642619.9	-303895.1	-76028.4	1176077.9	0.0

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			597 -6935544.1	-116303.8	52800.2	-56986.5	-1919117.0	0.0	
1849	3	3 env SL~1 MAX	588 2384666.7	730939.2	494059.4	72608.3	-1173123.2	0.0	
			589 6545479.0	252442.2	-90776.7	49192.3	1577691.6	0.0	
			599 7333905.0	3103974.9	-177064.5	-40663.0	1601227.4	0.0	
			598 2280132.0	76685.9	515636.8	-34596.2	-1173290.8	0.0	
		MIN	588 -7138202.1	-3076876.8	122017.8	39212.7	-1737145.0	0.0	
			589 -2237454.1	-70343.4	-460314.5	28956.9	869965.1	0.0	
			599 -2427344.5	-737322.6	-477490.8	-73667.0	876908.0	0.0	
			598 -6741181.9	-261002.0	211178.6	-47600.7	-1731299.1	0.0	
1850	3	3 env SL~1 MAX	589 2277836.8	811610.6	673810.5	69419.4	-874952.4	0.0	
			590 6380650.8	363707.6	-254362.8	37155.2	1377868.2	0.0	
			600 7192633.2	3469356.7	-349424.1	-27636.3	1387230.5	0.0	
			599 2131352.0	126109.1	696448.4	-20655.3	-874224.6	0.0	
		MIN	589 -7075360.7	-3436907.5	287254.1	27227.8	-1601431.0	0.0	
			590 -2106818.5	-118756.3	-640099.1	16540.6	457435.0	0.0	
			600 -2302370.3	-819011.2	-662044.6	-65951.2	463819.5	0.0	
			599 -6497923.3	-373995.8	381888.1	-39475.1	-1582985.6	0.0	
1851	3	3 env SL~1 MAX	590 2161375.2	871541.4	862633.1	61416.0	-462561.6	0.0	
			70 6210950.8	437099.1	-436352.9	29313.3	1060457.6	0.0	
			78 6966233.5	3728801.5	-535591.8	-9405.1	1050314.3	0.0	
			600 1973432.4	150639.4	887276.0	-3380.1	-460966.2	0.0	
		MIN	590 -6967190.8	-3695722.6	471646.1	10461.0	-1401630.6	0.0	
			70 -1974898.8	-142881.4	-829021.3	-1753.6	-104842.2	0.0	
			78 -2159908.8	-879363.2	-858592.3	-51716.2	-98799.0	0.0	
			600 -6209993.6	-447432.7	565653.8	-29578.0	-1371010.1	0.0	
1852	3	3 env SL~1 MAX	70 2039838.9	913730.7	1060936.7	46834.3	99811.5	0.0	
			71 6052729.3	476534.4	-639253.2	18054.1	613461.7	0.0	
			79 6700434.4	3928011.0	-736444.7	14300.8	579321.9	0.0	
			78 1812580.2	155010.8	1092931.5	17544.8	102535.1	0.0	
		MIN	70 -6840264.9	-3883744.5	676185.8	-11167.8	-1082207.8	0.0	
			71 -1844858.2	-146496.1	-1027483.2	-25754.3	-798064.1	0.0	
			79 -2007560.9	-922152.0	-1065292.3	-33903.5	-791395.7	0.0	
			78 -5912898.9	-490935.2	764867.3	-15635.9	-1038446.6	0.0	
1853	3	3 env SL~1 MAX	71 1903663.8	944639.9	1270611.1	27697.2	792797.6	0.0	
			5072 5738645.6	610234.7	-863825.5	9832.0	29153.7	-1.8	
			5080 6438567.4	4100223.3	-954007.2	45961.5	-42048.5	-1.8	
			79 1650514.2	169517.8	1304696.9	41130.1	797704.3	0.0	

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			MIN	71	-6597247.8	-4128264.0	907244.0	-37523.9	-631845.1	0.0
				5072	-1700588.5	-172404.6	-1235178.6	-51063.5	-1627022.6	-2.6
				5080	-1853589.4	-941993.2	-1279155.3	1009.1	-1621670.6	-2.6
				79	-5579965.2	-599938.5	975944.0	206.9	-574419.8	0.0
1854	3	3 env SL~1	MAX	5073	2749925.3	2743290.6	-1112510.3	-88170.2	3228779.9	-1.8
				74	5494279.4	1440333.2	1474106.7	-61478.3	-1720797.2	0.0
				82	3733981.6	556218.5	1485807.8	115299.0	-1765824.7	0.0
				5081	3123118.0	6431358.0	-1213313.6	117650.0	3285822.3	-1.6
			MIN	5073	-3819987.1	-526841.9	-1447263.6	-109058.5	2640272.3	-2.5
				74	-3113654.5	-6312902.2	1155404.0	-84777.8	-2457609.1	0.0
				82	-2759388.9	-2861746.4	1235775.1	52469.6	-2503156.8	0.0
				5081	-5408273.9	-1469803.9	-1440760.1	84030.0	2681033.1	-2.5
1855	3	3 env SL~1	MAX	74	2786730.5	2935739.0	-1031617.0	-59781.6	2465894.1	0.0
				75	6000940.2	1360340.8	1279557.3	-37275.2	-889724.9	0.0
				83	4589410.4	621231.2	1299541.7	87211.9	-909251.5	0.0
				82	3235394.8	6018582.9	-1103629.8	85578.5	2465327.8	0.0
			MIN	74	-4366522.3	-598315.9	-1257408.4	-92153.6	1705647.8	0.0
				75	-3148029.8	-5927869.9	1064682.3	-63437.5	-1741020.7	0.0
				83	-2874095.5	-3026452.0	1135919.8	45165.3	-1761921.5	0.0
				82	-6223828.2	-1383314.8	-1249799.7	17782.3	1691900.0	0.0
1856	3	3 env SL~1	MAX	75	2816788.9	2708041.1	-946111.7	-30870.1	1750725.0	0.0
				591	6348550.9	1197324.7	1102730.8	-11055.0	-180293.4	0.0
				601	5151617.2	575373.6	1104502.1	58649.8	-188484.0	0.0
				83	3235968.2	5315389.6	-993447.8	50975.6	1725216.9	0.0
			MIN	75	-4883980.1	-557289.0	-1074552.6	-68370.0	882708.3	0.0
				591	-3140077.3	-5242309.6	977682.7	-39831.7	-1084945.1	0.0
				601	-2912679.7	-2781121.2	1027232.1	20370.4	-1091640.6	0.0
				83	-6616187.9	-1215461.0	-1060789.4	4298.2	854334.7	0.0
1857	3	3 env SL~1	MAX	591	2826315.4	2295314.7	-820889.4	-7394.4	1093434.3	0.0
				592	6565737.1	1011631.7	936370.5	9315.8	445038.1	0.0
				602	5529335.2	480876.4	929338.7	32896.0	443588.5	0.0
				601	3176633.9	4522936.3	-846572.9	22958.3	1054582.4	0.0
			MIN	591	-5321165.1	-467600.5	-906203.6	-45423.9	175586.8	0.0
				592	-3098513.0	-4468224.7	852297.9	-20049.6	-490030.9	0.0
				602	-2904436.3	-2350026.3	882991.6	-2056.2	-486296.5	0.0
				601	-6773907.2	-1024945.2	-891672.6	-13332.5	141278.1	0.0
1858	3	3 env SL~1	MAX	592	2817920.7	1779617.3	-683379.7	14680.1	495659.0	0.0
				593	6693260.0	823231.1	799289.4	25587.7	961990.4	0.0

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			603	5801358.6	361272.6	816750.2	10145.0	965274.2	0.0
			602	3085462.2	3721924.5	-696617.5	1907.3	451202.5	0.0
		MIN	592	-5689071.3	-351639.5	-770288.7	-22509.9	-449397.4	0.0
			593	-3033925.9	-3681249.5	714192.0	-2806.2	41942.8	0.0
			603	-2869457.0	-1820292.3	736529.6	-21415.1	54351.7	0.0
			602	-6805547.3	-832892.8	-780395.6	-28962.1	-483004.4	0.0
1859	3	3 env SL~1 MAX	593	2794991.5	1207466.5	-549503.7	33567.8	-39894.7	0.0
			594	6757392.6	639897.3	707224.8	38104.2	1375348.4	0.0
			604	6016069.5	228369.0	710060.6	-9873.5	1382885.1	0.0
			603	2978244.7	2940190.8	-552563.1	-14296.3	-85350.0	0.0
		MIN	593	-6000245.0	-221778.9	-678158.5	-875.1	-966689.2	0.0
			594	-2953479.6	-2911477.8	580253.8	12017.7	508593.9	0.0
			604	-2819943.3	-1236183.5	590727.1	-37283.9	528863.0	0.0
			603	-6773067.7	-646508.0	-673771.6	-41482.8	-996942.7	0.0
1860	3	3 env SL~1 MAX	594	2763703.0	600527.3	-417697.2	48946.5	-510449.5	0.0
			76	6779759.2	464560.3	611861.0	49839.1	1688115.6	0.0
			84	6208557.4	87768.3	600571.6	-27340.3	1699932.2	0.0
			604	2867508.5	2189374.9	-413675.9	-26987.3	-553718.2	0.0
		MIN	594	-6270696.3	-83731.9	-582247.2	18858.9	-1380596.9	0.0
			76	-2864464.4	-2170874.1	448707.4	24416.6	906972.1	0.0
			84	-2766747.1	-619028.2	450358.6	-49995.6	934445.9	0.0
			604	-6717620.3	-468610.5	-564830.1	-50739.3	-1406292.0	0.0
1861	3	3 env SL~1 MAX	76	2723920.4	75365.0	-286130.0	60630.1	-912772.1	0.0
			595	6770978.9	297693.9	511808.8	58121.9	1901668.0	0.0
			605	6397758.7	24754.6	486942.4	-41306.1	1917850.7	0.0
			84	2756237.1	1470595.1	-277279.0	-36417.6	-951386.3	0.0
		MIN	76	-6508852.8	-34037.5	-481397.1	36227.6	-1693891.8	0.0
			595	-2767524.1	-1461297.4	317531.5	34327.0	1233408.2	0.0
			605	-2712633.3	-78606.3	311369.0	-59777.4	1267222.2	0.0
			84	-6659884.8	-299483.3	-451998.8	-56844.7	-1714427.2	0.0
1862	3	3 env SL~1 MAX	595	2677489.0	210172.5	-146314.0	68517.5	-1242971.7	0.0
			596	6738018.8	138852.5	405361.4	62728.2	2015794.0	0.0
			606	6595203.7	690326.4	367736.3	-47146.8	2036292.0	0.0
			605	2647043.6	781468.9	-135032.7	-42816.6	-1274841.6	0.0
		MIN	595	-6721766.4	-690890.3	-374065.9	50856.5	-1907843.0	0.0
			596	-2664485.5	-780914.3	184505.8	41678.8	1442440.3	0.0
			606	-2660047.1	-210480.5	168586.9	-66725.8	1451267.9	0.0
			605	-6611456.1	-138534.9	-333676.5	-59933.8	-1922836.4	0.0

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1863	3	3	env SL~1	MAX	596	2625218.3	363951.1	5483.6	72508.6	-1445921.6	0.0	
					77	6682560.9	10860.4	290516.0	63655.7	2028679.1	0.0	
					85	6805031.3	1381935.1	241384.1	-49586.1	2053223.5	0.0	
					606	2540684.5	118738.3	14752.8	-45340.3	-1451402.7	0.0	
					MIN	596	-6912093.9	-1373697.1	-258361.5	55055.1	-2022176.7	0.0
					77	-2555912.2	-126983.5	33678.3	46400.0	1458820.7	0.0	
					85	-2609990.6	-366316.8	17976.1	-70817.8	1469706.4	0.0	
					606	-6575498.4	-13357.7	-208183.3	-60110.8	-2031332.0	0.0	
1864	3	3	env SL~1	MAX	77	2566809.0	524106.5	161905.8	72461.1	-1462102.6	0.0	
					597	6601940.1	504126.5	165017.3	60910.4	1939143.4	0.0	
					607	7024310.7	2103393.1	106178.8	-48344.8	1967465.6	0.0	
					85	2436136.4	164480.4	170035.8	-43315.5	-1463698.2	0.0	
					MIN	77	-7078098.6	-2085728.3	-132094.1	55347.6	-2035022.5	0.0
					597	-2441251.6	-159967.0	-122451.2	47971.8	1373220.4	0.0	
					607	-2561693.7	-528630.9	-137599.6	-71936.9	1385119.2	0.0	
					85	-6548152.1	-521791.3	-73746.7	-57519.0	-2038089.4	0.0	
1865	3	3	env SL~1	MAX	597	2500756.7	690937.9	324729.8	74614.1	-1376280.2	0.0	
					598	6488768.9	1106480.3	26412.2	54600.1	1744791.9	0.0	
					608	7241561.4	2857898.2	-39706.7	-42767.3	1775705.5	0.0	
					607	2330601.3	305134.2	331754.3	-37735.2	-1373113.8	0.0	
					MIN	597	-7212810.3	-2829624.0	7161.8	51910.5	-1945085.4	0.0
					598	-2318943.8	-298245.5	-284939.3	40518.8	1179436.3	0.0	
					608	-2512414.3	-697845.6	-299654.0	-73635.4	1191418.1	0.0	
					607	-6517520.0	-1134758.5	71488.0	-52105.3	-1942526.1	0.0	
1866	3	3	env SL~1	MAX	598	2424158.4	863927.0	495619.5	74381.9	-1182223.5	0.0	
					599	6329859.7	1673098.5	-127892.7	44556.0	1590366.8	0.0	
					609	7432629.6	3645762.9	-198184.5	-32522.2	1625154.4	0.0	
					608	2219192.3	437490.2	501811.8	-28510.9	-1174890.6	0.0	
					MIN	598	-7301283.6	-3604886.2	162005.1	44531.9	-1749986.8	0.0
					599	-2186470.7	-427864.9	-455291.8	29271.8	876727.8	0.0	
					609	-2456879.9	-873568.2	-470241.9	-72330.6	887377.5	0.0	
					608	-6461205.7	-1713975.2	229427.4	-43629.9	-1740605.7	0.0	
1867	3	3	env SL~1	MAX	599	2332590.3	1040794.4	675976.2	69112.2	-879411.2	0.0	
					600	6108383.4	2184450.9	-300604.6	37513.9	1351479.0	0.0	
					610	7558278.9	4457898.3	-371194.0	-16928.1	1375213.7	0.0	
					609	2094404.6	557779.4	685977.9	-15254.9	-868144.3	0.0	
					MIN	599	-7321525.9	-4402265.7	335119.1	33323.0	-1608608.6	0.0
					600	-2040630.7	-544821.4	-634665.4	14928.7	459354.3	0.0	

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				610	-2386364.3	-1053752.4	-654189.1	-66341.6	467139.1	0.0
				609	-6345136.4	-2240083.4	402034.9	-33658.6	-1582209.6	0.0
1868	3	3 env SL~1	MAX	600	2219670.2	1216403.3	866792.8	58015.2	-462063.2	0.0
				78	5807656.7	2598205.8	-494483.6	28461.0	985190.1	0.0
				86	7559310.5	5277208.6	-560530.8	5557.3	991546.6	0.0
				610	1944961.8	657106.0	884196.9	3489.4	-447051.4	0.0
			MIN	600	-7246003.2	-5200899.3	529390.4	17737.3	-1367699.3	0.0
				78	-1877497.0	-640089.2	-824487.9	-1775.2	-108267.7	0.0
				86	-2287135.0	-1233420.1	-853423.0	-54946.1	-105741.4	0.0
				610	-6120963.9	-2674515.2	590979.2	-23488.7	-1325634.4	0.0
1869	3	3 env SL~1	MAX	78	2074872.8	1369320.7	1074744.9	38891.1	104531.6	0.0
				79	5405849.4	2840283.4	-713421.1	13517.5	477176.1	0.0
				87	7305895.9	5971902.8	-767091.8	33621.6	461740.6	0.0
				86	1752396.7	714639.2	1100896.2	28426.8	121882.2	0.0
			MIN	78	-7015077.4	-5890918.0	745832.2	-3908.6	-997057.8	0.0
				79	-1694263.4	-694819.3	-1052372.7	-23838.7	-806186.3	0.0
				87	-2133006.1	-1389140.6	-1068787.3	-42522.5	-811297.4	0.0
				86	-5696459.6	-2921268.2	800035.9	-10847.6	-938784.4	0.0
1870	3	3 env SL~1	MAX	79	1901272.5	1455113.8	1323484.9	20179.0	799877.8	0.0
				5080	5065691.9	2509366.3	-954339.6	-997.9	-177750.0	-1.8
				5088	6620626.3	6327573.0	-981983.7	61376.6	-231411.7	-2.0
				87	1497902.4	676382.5	1316384.7	62070.9	817539.7	0.0
			MIN	79	-6679647.8	-6187137.0	992165.6	-31928.6	-482078.1	0.0
				5080	-1511981.2	-646178.8	-1297182.8	-45956.9	-1639933.5	-2.6
				5088	-1887193.7	-1485317.5	-1292272.6	2782.1	-1653737.3	-2.9
				87	-5006683.8	-2649823.7	1009512.9	-4135.2	-405984.2	0.0
1871	3	3 env SL~1	MAX	5081	2899698.5	5198051.8	-1180159.7	-84026.1	3284131.6	-1.6
				82	6545061.4	1700707.5	1455317.9	500.5	-1534667.9	0.0
				90	6145948.0	1237079.9	1547383.9	82016.5	-1397492.6	0.0
				5089	3884536.6	7169406.0	-1202025.2	7.5	3240224.6	-0.8
			MIN	5081	-4286876.9	-1210811.7	-1483889.6	-117640.4	2504051.6	-2.5
				82	-3435645.1	-7072978.7	1167174.4	-134941.7	-2448191.0	0.0
				90	-3348590.0	-5294405.0	1280365.8	14692.1	-2421720.9	0.0
				5089	-8404132.5	-1726975.7	-1508738.6	3.6	2194676.0	-2.0
1872	3	3 env SL~1	MAX	82	2794980.1	3901618.7	-1072716.0	-63153.2	2486020.0	0.0
				83	5896113.6	1231817.1	1273683.0	-17830.1	-750468.1	0.0
				91	4555766.0	904726.3	1402935.1	70890.1	-678121.9	0.0
				90	3262635.0	5289929.1	-1157872.6	-14692.1	2421720.9	0.0

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			MIN	82	-4218047.7	-890313.2	-1276740.1	-92482.5	1608592.6	0.0	
				83	-3184581.2	-5232124.2	1069351.9	-88721.7	-1705730.6	0.0	
				91	-2873033.9	-3959423.6	1235832.6	27144.4	-1704829.4	0.0	
				90	-6233831.9	-1246230.1	-1338069.0	-82016.5	1397492.6	0.0	
1873	3	3	env SL~1	MAX	83	2658150.3	2932760.0	-932578.4	-31553.6	1742435.3	0.0
					601	5289037.9	905438.2	1098787.8	-880.1	-62832.4	0.0
					611	3385643.7	661507.3	1245135.9	62528.0	-23032.8	0.0
					91	2787146.6	3957169.3	-1096126.4	-27144.4	1704829.4	0.0
				MIN	83	-4031361.3	-653466.5	-1085143.6	-59272.5	805384.9	0.0
					601	-2943780.4	-3923158.0	956839.3	-51427.1	-1024679.3	0.0
					611	-2501516.5	-2966771.2	1154265.1	32504.5	-1029660.6	0.0
					91	-4643320.2	-913479.0	-1197398.1	-70890.1	678121.9	0.0
1874	3	3	env SL~1	MAX	601	2515382.9	2174337.1	-792895.7	-5796.5	1061737.4	0.0
					602	4766327.1	664709.3	933769.4	15933.1	549888.4	0.0
					612	2534460.2	475767.1	1079534.3	53702.5	578033.0	0.0
					611	2415652.2	2966451.4	-968968.8	-32504.5	1029660.6	0.0
				MIN	601	-3828078.6	-470686.4	-906436.4	-34314.4	110038.3	0.0
					602	-2723200.4	-2943288.9	828674.4	-22027.7	-408631.2	0.0
					612	-2207834.7	-2197499.6	1014036.0	33460.1	-409305.0	0.0
					611	-3472708.7	-669790.0	-1043931.6	-62528.0	23032.8	0.0
1875	3	3	env SL~1	MAX	602	2377846.1	1567491.5	-656405.6	15085.2	443725.2	0.0
					603	4338097.4	480510.2	794206.0	31179.5	1059617.3	0.0
					613	1933636.9	329328.2	972130.3	44650.4	1086183.3	0.0
					612	2121960.3	2198885.9	-828489.1	-33460.1	409305.0	0.0
				MIN	602	-3650810.9	-326315.4	-766557.0	-12775.6	-510472.4	0.0
					603	-2525354.4	-2183514.0	701851.1	-1914.1	140483.6	0.0
					613	-1974452.1	-1582863.5	862783.0	31101.5	148661.3	0.0
					612	-2620923.4	-483523.0	-934424.0	-53702.5	-578033.0	0.0
1876	3	3	env SL~1	MAX	603	2252346.0	1062667.7	-521816.6	31718.4	-109485.4	0.0
					604	4009641.7	334838.0	698742.2	42971.8	1468420.0	0.0
					614	1536257.6	209261.7	852092.7	37110.3	1498352.7	0.0
					613	1888542.8	1585899.3	-676116.7	-31101.5	-148661.3	0.0
				MIN	603	-3526479.2	-207592.4	-661992.5	6065.4	-1027948.8	0.0
					604	-2351393.4	-1575645.6	574857.8	14177.4	619828.6	0.0
					614	-1789495.3	-1072921.4	702314.5	26313.3	638515.7	0.0
					613	-2019420.1	-336507.3	-823487.1	-44650.4	-1086183.3	0.0
1877	3	3	env SL~1	MAX	604	2143567.0	624496.9	-390773.8	45051.4	-594973.4	0.0

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				84	3781151.1	215128.1	600614.2	51319.3	1777516.8	0.0
				92	1311092.0	106347.4	718933.7	29695.5	1813040.9	0.0
				614	1703848.3	1077449.3	-516001.6	-26313.3	-638515.7	0.0
			MIN	604	-3470682.2	-105663.0	-556344.3	22683.4	-1445013.1	0.0
				84	-2202255.6	-1071000.2	449406.5	26547.7	1025995.1	0.0
				92	-1645159.6	-630946.0	536108.2	19737.2	1055314.4	0.0
				614	-1621560.9	-215818.7	-697848.2	-37110.3	-1498352.7	0.0
1878	3	3	env SL~1 MAX	84	2054631.3	223549.4	-261859.1	55521.0	-1009054.7	0.0
				605	3650146.0	112178.7	498351.3	56404.1	1987162.7	0.0
				615	1241183.4	13068.4	573407.3	20706.6	2029075.9	0.0
				92	1562233.4	636551.1	-349244.7	-19737.2	-1055314.4	0.0
			MIN	84	-3493468.5	-13135.0	-447997.4	37210.2	-1763021.8	0.0
				605	-2077455.4	-633107.1	321841.6	35541.9	1354877.3	0.0
				615	-1539409.2	-226993.4	364937.1	11885.1	1394006.3	0.0
				92	-1397860.9	-112112.1	-558406.0	-29695.5	-1813040.9	0.0
1879	3	3	env SL~1 MAX	605	1984982.8	77536.3	-125882.9	63307.1	-1347257.9	0.0
				606	3611507.9	18839.7	390077.4	58430.6	2096533.0	0.0
				616	1315184.8	166220.6	415778.7	10454.3	2144930.7	0.0
				615	1456405.7	233503.2	-173780.6	-11885.1	-1394006.3	0.0
			MIN	605	-3599521.5	-166957.3	-334996.6	45677.9	-1982177.0	0.0
				606	-1974295.3	-232733.0	185106.3	41481.1	1486225.6	0.0
				616	-1467093.2	-78282.5	179538.3	494.1	1510179.3	0.0
				615	-1327171.2	-18126.8	-405504.3	-20706.6	-2029075.9	0.0
1880	3	3	env SL~1 MAX	606	1935655.5	168910.9	24925.5	68406.0	-1486090.8	0.0
				85	3660940.5	156944.4	273570.1	57549.3	2103603.4	0.0
				93	1533174.2	570406.9	245960.7	-735.1	2158362.1	0.0
				616	1384005.9	73902.9	21474.0	-494.1	-1510179.3	0.0
			MIN	606	-3793724.9	-568440.7	-215101.0	48477.9	-2101493.1	0.0
				85	-1891616.6	-72528.4	35833.4	44632.3	1496515.9	0.0
				93	-1428044.8	-170285.4	-16681.6	-11784.3	1522409.6	0.0
				616	-1400389.8	-158908.9	-239074.5	-10454.3	-2144930.7	0.0
1881	3	3	env SL~1 MAX	85	1907517.1	268695.6	180049.6	70682.2	-1502524.0	0.0
				607	3793725.7	557454.0	146310.8	53892.3	2008934.9	0.0
				617	1904486.3	1013350.5	63651.1	-12513.8	2070406.1	0.0
				93	1344870.2	166671.6	223991.9	11784.3	-1522409.6	0.0
			MIN	85	-4080490.3	-1008318.1	-85828.9	47820.2	-2118737.6	0.0
				607	-1828134.3	-164597.7	-120188.8	43101.5	1399371.5	0.0
				617	-1424253.1	-270742.5	-218508.9	-24000.7	1423677.8	0.0
				93	-1617608.2	-562508.0	-58777.8	735.1	-2158362.1	0.0

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1882	3	3 env SL~1 MAX	607	1901310.7	384038.5	342229.3	70967.7	-1411376.9	0.0
			608	4004513.2	996106.5	5532.3	47401.1	1807379.1	0.0
			618	2449984.0	1525485.5	-131524.9	-20939.1	1876515.1	0.0
			617	1340991.1	267964.7	434007.5	24000.7	-1423677.8	0.0
		MIN	607	-4464982.2	-1516525.4	55496.2	42978.5	-2033874.5	0.0
			608	-1782257.2	-265054.7	-285148.4	37907.1	1190969.4	0.0
			618	-1460044.7	-386950.0	-426062.3	-36641.7	1209653.5	0.0
			617	-1989515.0	-1005066.6	135851.7	12513.8	-2070406.1	0.0
1883	3	3 env SL~1 MAX	608	1917589.9	522915.4	514265.3	71257.8	-1207496.9	0.0
			609	4282757.7	1502798.7	-151727.2	38900.3	1627360.8	0.0
			619	3200616.3	2144172.8	-339871.0	-27096.0	1685485.4	0.0
			618	1376699.1	384970.1	651537.1	36641.7	-1209653.5	0.0
		MIN	608	-4948816.2	-2130021.3	211697.2	33371.1	-1842478.9	0.0
			609	-1751775.9	-380880.1	-462031.9	27711.7	868989.6	0.0
			619	-1542513.1	-527005.4	-639175.6	-49408.0	876952.4	0.0
			618	-2534557.9	-1516950.2	345256.3	20939.1	-1876515.1	0.0
1884	3	3 env SL~1 MAX	609	1956376.0	696077.2	699023.8	67088.9	-888222.8	0.0
			610	4614307.4	2113594.3	-328546.6	31767.1	1347647.0	0.0
			620	4203931.5	2920313.6	-561435.2	-30657.2	1400274.2	0.0
			619	1459092.0	525930.0	876198.2	49408.0	-876952.4	0.0
		MIN	609	-5533688.1	-2898240.7	385634.0	18176.9	-1670305.6	0.0
			610	-1733191.6	-520222.3	-653974.4	13614.2	425834.7	0.0
			620	-1682276.5	-701785.0	-857174.2	-62485.6	416517.2	0.0
			619	-3284550.7	-2135667.2	569703.2	27096.0	-1685485.4	0.0
1885	3	3 env SL~1 MAX	610	2016716.9	918102.9	899456.0	58063.2	-445922.3	0.0
			86	4972834.4	2880765.2	-527904.2	21496.1	930265.8	0.0
			94	5529023.0	3917989.4	-796229.7	-29963.9	973335.4	0.0
			620	1598794.2	701660.2	1106980.3	62485.6	-416517.2	0.0
		MIN	610	-6214542.4	-3886774.2	580400.5	-4698.7	-1397226.3	0.0
			86	-1720887.3	-693581.5	-864262.2	-4568.9	-173265.8	0.0
			94	-1894623.8	-926181.6	-1079074.4	-74982.7	-208314.1	0.0
			620	-4287315.0	-2911980.4	809088.7	30657.2	-1400274.2	0.0
1886	3	3 env SL~1 MAX	86	2097723.8	1215492.9	1118534.4	44297.6	157125.0	0.0
			87	5329322.7	3839950.6	-752200.8	2279.9	360192.7	0.0
			95	7280709.0	5296886.2	-1042105.5	-21604.7	392510.6	0.0
			94	1811102.4	927058.1	1342437.4	74982.7	208314.1	0.0
		MIN	86	-6998052.4	-5226817.5	796513.4	-35092.1	-983027.9	0.0

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				87	-1706413.5	-912576.5	-1096216.0	-33342.7	-911045.9	0.0	
				95	-2202412.7	-1229974.4	-1301280.4	-89743.7	-981940.7	0.0	
				94	-5611979.4	-3910019.3	1063148.2	29963.9	-973335.4	0.0	
1887	3	3	env SL~1	MAX	87	2183556.2	1630411.7	1358126.1	69700.7	904803.5	0.0
					5088	5517837.7	5203110.6	-995679.7	-2771.0	-362635.8	-2.0
					5096	9635828.6	7239138.3	-1309736.8	6.6	-379031.8	-2.3
					95	2118884.7	1231919.7	1578379.3	89743.7	981940.7	0.0
				MIN	87	-7790259.8	-7152627.8	1056231.5	-72857.8	-415949.1	0.0
					5088	-1660787.0	-1213043.1	-1353042.7	-61373.2	-1796035.9	-2.9
					5096	-2641653.9	-1649288.3	-1548678.1	2.5	-1913615.0	-3.7
					95	-7363406.5	-5289621.1	1329318.0	21604.7	-392510.6	0.0
1888	3	4	env SL~1	MAX	5096	2599911.0	1650828.5	1693831.2	-2.5	1913615.0	3.7
					5088	1946482.1	2195186.9	1763289.1	-1.7	1804799.8	-6827.3
					4988	7007672.0	6945863.4	-1039324.1	0.0	-481857.1	-10005.2
					4996	9569849.9	9640761.3	1120975.8	0.0	-358481.0	79621.1
				MIN	5096	-9677169.1	-7236009.3	1440325.5	-6.6	379031.8	2.3
					5088	-6900352.9	-9350615.4	114611.2	-5.7	338648.5	-44464.0
					4988	-1951716.1	-1582605.3	-2814753.4	0.0	-5380866.8	-359486.0
					4996	-2594677.0	-2263410.2	-2094786.0	0.0	-6126698.6	-4468.3
1889	3	4	env SL~1	MAX	5088	1522459.1	507015.3	2475808.2	-1.7	1644973.4	44468.8
					5080	1600356.3	1323108.4	1487311.5	-2.0	1632527.1	-14488.0
					4980	5601239.5	2208344.6	-1086864.6	0.0	-586752.4	-33839.9
					4988	5312751.7	5496862.2	-1004850.8	0.0	-622096.3	130739.7
				MIN	5088	-5318551.7	-2176149.6	1056142.0	-5.7	255399.0	6831.4
					5080	-5595605.9	-5529098.7	873246.7	-5.7	183571.2	-65425.5
					4980	-1597833.0	-512079.0	-2147825.4	0.0	-4412386.5	-119374.6
					4988	-1524982.4	-1318040.6	-1388806.7	0.0	-4359455.3	22347.7
1890	3	4	env SL~1	MAX	5080	1690139.7	269222.5	1898060.3	-2.0	1629077.0	65430.4
					5072	1769739.8	998766.3	1439150.6	-1.9	1629065.7	-11843.0
					4972	6204408.0	1000848.0	-1128190.8	0.0	-479741.3	-27798.3
					4980	5990790.8	4087375.9	-942468.0	0.0	-503160.4	124210.7
				MIN	5080	-5984909.1	-1076349.4	1177184.7	-5.7	36227.4	14491.8
					5072	-6210289.7	-4011874.5	947583.3	-5.7	-35609.2	-71745.6
					4972	-1766569.2	-252142.1	-1889827.5	0.0	-4553753.6	-96850.7
					4980	-1693310.2	-1015822.5	-1418244.2	0.0	-4529683.9	19473.7
1891	3	4	env SL~1	MAX	5072	1828102.3	338636.3	1550472.8	-1.9	1626648.0	71750.5
					5064	1860738.3	713039.0	1391280.9	-2.1	1617381.1	-8462.3
					4964	6475400.5	365923.3	-939212.1	0.0	-402630.9	-24910.8

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				4972	6412462.3	2985205.4	-845659.2	0.0	-419415.6	109443.3	
				MIN	5072	-6411310.6	-357765.5	1008696.0	-5.7	-162976.9	11846.8
					5064	-6476552.2	-3009554.1	838851.7	-5.8	-221261.4	-74804.0
					4964	-1859096.0	-314248.1	-1503300.4	0.0	-4609194.6	-102245.1
					4972	-1829744.7	-713813.8	-1363527.4	0.0	-4609674.9	20813.0
1892	3	4	env SL~1	MAX	5064	1900907.8	1218993.0	1514196.9	-2.1	1626931.4	74809.0
					5056	1934362.4	558031.7	1469824.1	-1.9	1644587.0	-3427.6
					4956	6383827.1	218222.4	-942849.9	0.0	-375142.8	-23292.0
					4964	6482543.2	1809527.4	-915116.4	0.0	-375620.4	81687.8
				MIN	5064	-6492010.0	-208203.2	951191.1	-5.8	-354729.8	8466.1
					5056	-6374360.3	-1737966.7	969451.5	-5.7	-438646.0	-77917.8
					4956	-1932223.7	-1290683.5	-1456008.2	0.0	-4464834.8	-113786.7
					4964	-1903046.5	-567683.7	-1396925.8	0.0	-4524549.4	9012.5
1893	3	4	env SL~1	MAX	5056	1244621.1	1080586.2	995554.4	-1.9	1066604.9	77923.1
					5048	1084575.7	635810.9	978933.5	-1.7	925504.5	9543.9
					4948	2590219.6	248066.5	-396542.1	-1.7	-204216.6	-17763.4
					4956	3781108.2	2727223.2	-397916.4	0.0	-235496.1	19495.4
				MIN	5056	-3895971.6	-270762.6	537189.1	-5.8	-326457.0	3431.5
					5048	-2475356.2	-2902018.5	342024.5	-6.5	-322850.0	-55727.1
					4948	-1086660.6	-907514.2	-876478.0	-6.5	-2387793.4	-243085.8
					4956	-1242536.2	-611391.5	-1048178.5	0.0	-2649063.9	-84469.1
1894	3	4	env SL~1	MAX	5048	1283794.9	49717.0	2578901.8	-1.8	1240363.8	54445.6
					5040	945887.7	806936.8	2427324.8	-2.8	952350.1	29920.5
					4940	1692276.1	924372.3	-1361659.5	0.0	281057.7	-4805.2
					4948	2620690.3	3979357.3	-785249.8	-1.7	-3937.5	22785.1
				MIN	5048	-2636077.4	-940834.7	1088103.6	-6.6	-801527.9	2197.9
					5040	-1676889.0	-3922364.9	1138857.0	-6.6	-1143989.8	-14916.5
					4940	-947860.5	-40623.5	-2992772.0	0.0	-1910035.9	-110167.4
					4948	-1281822.1	-815869.1	-1930557.0	-6.6	-2529643.8	-31540.4
1895	3	4	env SL~1	MAX	5040	232680.9	1625295.0	2534820.2	-2.7	370028.6	14934.8
					5032	-4490.7	554575.9	2642065.6	-2.9	161911.5	56464.1
					4932	1507036.1	255167.1	-1426698.7	0.0	849063.5	17289.0
					4940	1369208.8	1466612.3	-1343727.9	0.0	687985.1	6376.5
				MIN	5040	-1370622.4	-245328.3	1331539.3	-6.4	-1441664.4	-29905.8
					5032	-1505622.4	-1438115.3	1501563.7	-6.8	-1761209.3	-427.0
					4932	943.8	-1653832.9	-2578287.6	0.0	-409538.5	-50844.3
					4940	-229134.0	-564136.4	-2529654.2	0.0	-610461.9	-48946.8

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1896	3	4	env SL~1	MAX	5032	-456521.0	3211887.5	2592108.3	-2.9	-226612.9	446.4
					5024	-414198.4	249226.3	3263303.8	-2.4	-425315.4	83196.5
					4924	1931659.0	671939.2	-1766694.6	0.0	1398386.1	34340.7
					4932	1890574.4	529680.0	-1745160.8	0.0	1244234.0	-7187.3
				MIN	5032	-1892770.5	-665735.5	1668414.4	-6.8	-2297866.4	-56448.5
					5024	-1929462.9	-515432.9	1832734.0	-6.3	-2558463.8	18886.4
					4924	425664.3	-3258261.9	-2674342.4	0.0	51145.9	-25254.3
					4932	459192.2	-202601.1	-3112125.6	0.0	-21705.8	-69010.6
1897	3	4	env SL~1	MAX	5024	-140329.2	5704989.6	2821682.2	-2.4	-600831.0	-18866.8
					5016	174662.5	2910453.7	4235309.7	-1.6	-586884.2	84604.9
					4916	1934634.5	1296610.0	-1772363.3	0.0	1679093.8	56837.7
					4924	2015997.1	439501.7	-2013273.6	0.0	1641038.8	-3072.8
				MIN	5024	-2018058.0	-1286691.7	1805926.2	-6.3	-2800461.6	-83181.0
					5016	-1932573.7	-449973.7	2047705.2	-5.5	-2807745.1	17101.3
					4916	-164320.4	-5784181.3	-2818395.4	0.0	97509.9	924.5
					4924	129987.1	-2830873.7	-4021498.5	0.0	115200.8	-65695.6
1898	3	4	env SL~1	MAX	5016	423023.3	9090536.6	2422357.6	-1.6	-304716.7	-17081.9
					5008	388236.8	6397693.9	2902801.7	2.5	-29908.9	35953.7
					4908	1373302.3	2246081.8	-43765.2	1.5	1406623.7	73040.1
					4916	1566866.0	1456148.8	-1638792.5	0.0	1549158.4	3205.5
				MIN	5016	-1573326.5	-2225296.6	825681.8	-5.5	-2500319.1	-84589.8
					5008	-1366841.8	-1476934.0	944437.0	-4.5	-2158310.5	2949.5
					4908	-386865.8	-9216899.0	-1863003.1	-4.9	-69727.7	-5214.0
					4916	-424394.4	-6271331.5	-3915907.9	0.0	291.3	-47708.7
1899	3	4	env SL~1	MAX	4996	6874564.8	3308738.7	2094786.0	0.0	6126698.6	191161.9
					4988	6063368.0	12126.1	1468867.1	0.0	5276036.4	-18201.0
					4888	-640904.0	819125.6	-832219.1	0.0	-117919.8	-5345.6
					4896	-511338.6	169793.3	626151.1	0.0	-70056.6	95291.4
				MIN	4996	507525.3	-819125.6	-1120975.8	0.0	358481.0	2175.2
					4988	644649.4	-169793.3	1225607.1	0.0	499358.6	-94786.9
					4888	-6085881.9	-3308738.7	-1518712.1	0.0	-1812829.9	-110452.4
					4896	-6852050.9	-12126.1	-1931000.3	0.0	-2096685.6	7860.5
1900	3	4	env SL~1	MAX	4988	5131728.5	1847880.9	2551221.4	0.0	4464285.7	111142.7
					4980	5104877.2	407659.7	1948082.3	0.0	4450967.4	-12482.8
					4880	-736478.6	390084.0	-1123236.8	0.0	-151640.5	-10117.6
					4888	-761712.6	1354775.8	-973038.9	0.0	-160913.8	80448.8
				MIN	4988	762470.8	-390084.0	1002928.4	0.0	604594.8	16128.9
					4980	735720.4	-1354775.8	1162291.4	0.0	575661.9	-111676.5
					4880	-5105155.4	-1847880.9	-1834577.6	0.0	-1492925.8	-78911.4

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				4888	-5131450.3	-407659.7	-2595782.0	0.0	-1493626.5	9206.5
1901	3	4	env SL~1 MAX	4980	5149362.4	2021836.8	1343956.5	0.0	4491103.1	108303.3
				4972	5201973.2	453763.4	1491386.0	0.0	4551850.9	-9559.0
				4872	-626542.3	358407.7	-972438.8	0.0	-117241.3	-8566.0
				4880	-661239.2	1239944.6	-1028816.8	0.0	-127988.5	83040.9
			MIN	4980	662195.3	-358407.7	996349.5	0.0	514250.9	14282.1
				4972	625586.2	-1239944.6	1067582.4	0.0	476818.9	-117905.4
				4872	-5200432.2	-2021836.8	-1331975.4	0.0	-1532355.3	-78997.6
				4880	-5150903.4	-453763.4	-1338049.4	0.0	-1515450.0	7291.8
1902	3	4	env SL~1 MAX	4972	5278812.6	1999988.7	1485230.3	0.0	4611577.6	113779.1
				4964	5280098.8	563289.6	1594307.0	0.0	4619680.8	-8394.6
				4864	-538341.1	249552.7	-884762.5	0.0	-91008.0	-6850.9
				4872	-558098.6	1254433.8	-1026745.6	0.0	-97064.9	84149.8
			MIN	4972	558647.1	-249552.7	952247.3	0.0	422338.0	11238.7
				4964	537792.6	-1254433.8	1021937.1	0.0	400756.2	-117189.4
				4864	-5279926.3	-1999988.7	-1440875.7	0.0	-1558238.3	-81361.6
				4872	-5278985.0	-563289.6	-1569717.7	0.0	-1557650.6	5985.4
1903	3	4	env SL~1 MAX	4964	5157437.1	1955380.2	1321639.8	0.0	4514063.3	117195.8
				4956	5034003.2	673057.8	1466863.4	0.0	4397445.8	-8516.0
				4856	-502261.7	150554.0	-786032.7	0.0	-83329.1	-6075.6
				4864	-506827.1	1323593.1	-965578.1	0.0	-83212.2	79647.8
			MIN	4964	506904.5	-150554.0	832391.4	0.0	377495.0	9343.0
				4956	502184.3	-1323593.1	981895.8	0.0	373476.9	-105783.2
				4856	-5037027.1	-1955380.2	-1350709.0	0.0	-1486601.4	-80152.2
				4864	-5154413.2	-673057.8	-1370535.6	0.0	-1522365.1	5527.8
1904	3	4	env SL~1 MAX	4956	3085167.3	2079224.6	960713.2	0.0	2716452.9	125430.7
				4948	2704324.7	565268.5	945336.9	-1.7	2284683.3	-173.4
				4848	-292508.0	250797.5	-256430.8	-1.9	38118.0	-6177.7
				4856	-319701.0	1209946.4	-590454.6	0.0	-10487.6	44541.4
			MIN	4956	321058.7	-250797.5	398324.3	0.0	237162.0	10573.0
				4948	291150.3	-1209946.4	506449.7	-6.5	202361.6	-47099.0
				4848	-2721407.9	-2079224.6	-854853.3	-6.3	-761239.7	-78332.5
				4856	-3068084.1	-565268.5	-1001365.4	0.0	-886815.7	1974.5
1905	3	4	env SL~1 MAX	4948	3136288.9	3157086.7	1895190.2	-1.7	2632746.0	73316.0
				4940	2360927.9	550352.1	2931817.9	0.0	1873781.7	16437.6
				4840	-185105.6	312702.9	-1223743.6	0.0	392871.8	9151.2
				4848	-412211.3	568684.1	-899669.5	-1.9	283565.2	31537.0

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				MIN	4948	412728.3	-312702.9	859568.5	-6.6	39263.2	6001.7
					4940	179091.7	-568684.1	1343896.0	0.0	-296346.1	-13302.7
					4840	-2374634.6	-3157086.7	-2506256.5	0.0	-533826.5	-28399.9
					4848	-3122582.3	-550352.1	-2240256.3	-6.3	-788896.4	-4341.0
1906	3	4	env SL~1 MAX	4940	907775.7	2378199.7	2592236.4	0.0	646716.1	25957.0	
				4932	646008.1	846624.2	2861372.7	0.0	382540.1	30468.8	
				4832	574398.8	24515.8	-1415213.3	0.0	524206.2	19191.5	
				4840	377995.6	829659.5	-1502097.5	0.0	462709.5	5163.6	
				MIN	4940	-372942.9	-24515.8	1361491.4	0.0	-672696.7	-13030.3
					4932	-579451.5	-829659.5	1618495.8	0.0	-865814.1	-523.9
					4832	-652948.7	-2378199.7	-2581039.0	0.0	-21889.6	-8622.4
					4840	-900835.0	-846624.2	-2803626.1	0.0	-107466.8	-18403.5
1907	3	4	env SL~1 MAX	4932	105070.2	2166210.5	2829040.6	0.0	28785.7	5948.3	
				4924	17988.4	873012.4	3156229.5	0.0	-53993.7	43733.6	
				4824	1195285.2	24500.4	-1765085.4	0.0	711088.9	29220.6	
				4832	1007223.6	1020129.1	-1733484.0	0.0	652366.1	-2333.5	
				MIN	4932	-1002404.8	-24500.4	1660227.0	0.0	-1227483.5	-27356.0
					4924	-1200104.0	-1020129.1	1829619.4	0.0	-1411591.2	5864.7
					4824	-20143.1	-2166210.5	-2941425.5	0.0	58683.2	-103.5
					4832	-98944.8	-873012.4	-2974900.5	0.0	32883.1	-28215.2
1908	3	4	env SL~1 MAX	4924	-52754.1	1643260.6	3539611.4	0.0	-112353.0	-3879.8	
				4916	-33726.8	694777.1	3865683.5	0.0	-93136.8	43271.8	
				4816	1506157.3	211513.9	-2010054.3	0.0	795968.3	36745.2	
				4824	1452882.1	1498182.1	-1898554.1	0.0	783239.8	-2858.2	
				MIN	4924	-1451889.0	-211513.9	2003007.6	0.0	-1627833.6	-44125.7
					4916	-1507150.5	-1498182.1	1980295.4	0.0	-1665151.5	2182.5
					4816	34250.1	-1643260.6	-3812690.5	0.0	74125.8	2668.0
					4824	52230.8	-694777.1	-3523660.5	0.0	81277.2	-32308.6
1909	3	4	env SL~1 MAX	4916	65144.8	867429.9	2868619.8	0.0	-4664.3	-3639.5	
				4908	136575.3	573213.0	1719559.0	1.5	69711.4	27812.9	
				4808	1272890.7	347412.3	-352835.5	-1.0	687052.2	35274.8	
				4816	1389811.0	2849340.9	-1243183.4	0.0	740564.3	286.3	
				MIN	4916	-1393977.3	-347412.3	1222066.8	0.0	-1563100.7	-51042.7
					4908	-1268724.4	-2849340.9	496451.6	-4.9	-1406663.8	-4477.8
					4808	-134598.0	-867429.9	-1659038.4	-5.7	13260.3	698.5
					4816	-67122.0	-573213.0	-2438386.7	0.0	38522.1	-27074.1
1910	3	4	env SL~1 MAX	4896	2346537.9	2945678.6	1931000.3	0.0	2096685.6	65193.8	
				4888	2059045.6	102029.2	1423113.6	0.0	1798648.4	-4370.9	

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				4788	-98745.3	722832.9	-810210.9	0.0	2148.5	-1736.1	
				4796	-51813.0	370968.7	246062.7	0.0	-36462.6	33302.2	
			MIN	4896	50497.2	-722832.9	-626151.1	0.0	70056.6	-105.7	
				4888	100061.1	-370968.7	1167581.7	0.0	119857.5	-32684.1	
				4788	-2066959.4	-2945678.6	-1488139.7	0.0	-623182.2	-37329.2	
				4796	-2338624.0	-102029.2	-1797030.2	0.0	-723907.0	2325.1	
1911	3	4	env SL~1	MAX	4888	1730571.5	1957213.9	2170490.9	0.0	1507808.1	37134.7
					4880	1714862.6	380892.1	1849064.2	0.0	1498999.6	-3240.1
					4780	-139546.3	418015.6	-1124484.6	0.0	49781.8	235.5
					4788	-145001.7	1260168.4	-1028122.2	0.0	44826.1	27916.5
			MIN	4888	145247.1	-418015.6	1066904.3	0.0	158976.2	3416.1	
				4880	139301.0	-1260168.4	1154646.6	0.0	149828.1	-38152.4	
				4780	-1715108.5	-1957213.9	-1702769.2	0.0	-505317.0	-26087.5	
				4788	-1730325.5	-380892.1	-2247842.0	0.0	-508671.0	2800.6	
1912	3	4	env SL~1	MAX	4880	1732406.2	1993943.3	1323562.8	0.0	1509376.2	35601.1
					4872	1751073.9	456235.7	1486128.0	0.0	1533643.3	-2159.8
					4772	-106125.3	352766.1	-967893.5	0.0	52773.4	798.3
					4780	-116074.3	1264771.6	-1042366.7	0.0	50727.1	28765.0
			MIN	4880	116425.6	-352766.1	1010029.9	0.0	129800.8	2102.2	
				4872	105774.0	-1264771.6	1062906.7	0.0	116309.5	-40613.4	
				4772	-1750491.2	-1993943.3	-1335184.0	0.0	-516599.0	-25925.3	
				4780	-1732988.9	-456235.7	-1405562.8	0.0	-511328.5	2104.7	
1913	3	4	env SL~1	MAX	4872	1786044.8	1993303.7	1415565.1	0.0	1556362.7	37673.8
					4864	1785594.2	558414.1	1528786.7	0.0	1560912.4	-1780.7
					4764	-80022.9	253149.4	-877184.0	0.0	56176.1	1027.2
					4772	-84221.3	1264694.3	-1012596.0	0.0	52334.7	29181.0
			MIN	4872	84413.6	-253149.4	936277.7	0.0	97996.7	1926.9	
				4864	79830.7	-1264694.3	1016178.8	0.0	90662.1	-40375.4	
				4764	-1785525.6	-1993303.7	-1378091.4	0.0	-524898.0	-26795.8	
				4772	-1786113.4	-558414.1	-1497316.4	0.0	-525817.0	1618.3	
1914	3	4	env SL~1	MAX	4864	1743791.2	1973482.8	1295937.0	0.0	1519691.0	39018.0
					4856	1694693.8	657617.8	1422002.3	0.0	1475386.2	-1810.2
					4756	-72219.7	162935.1	-787699.1	0.0	71938.3	1677.6
					4764	-71363.2	1304795.6	-968080.9	0.0	63333.9	27410.2
			MIN	4864	71398.9	-162935.1	834161.8	0.0	83558.1	1595.0	
				4856	72184.0	-1304795.6	965085.0	0.0	82062.8	-35928.1	
				4756	-1695880.4	-1973482.8	-1310263.2	0.0	-494904.2	-26286.0	
				4764	-1742604.7	-657617.8	-1353223.9	0.0	-510239.0	1429.6	

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1915	3	4	env	SL~1	MAX	4856	1027775.9	2071786.1	930072.1	0.0	898031.0	41544.1
						4848	889826.2	584105.9	937706.9	-1.9	744487.0	4844.4
						4748	-30466.0	231307.3	-274138.3	-1.9	93385.0	2473.8
						4756	-38305.3	1218225.5	-582640.6	0.0	75626.0	14847.8
					MIN	4856	38782.6	-231307.3	404780.1	0.0	12831.0	1470.2
						4848	29988.6	-1218225.5	537934.0	-6.3	-42246.9	-15092.7
						4748	-895946.5	-2071786.1	-838942.0	-6.2	-243209.2	-25403.5
						4756	-1021655.6	-584105.9	-979005.4	0.0	-289211.9	-2967.6
1916	3	4	env	SL~1	MAX	4848	984097.2	3046906.2	1823358.4	-1.9	805638.5	23070.6
						4840	698979.8	521068.1	2807087.3	0.0	528453.0	10848.9
						4740	203313.2	342707.2	-1257374.7	0.0	275229.7	8825.7
						4748	75699.3	605517.0	-936314.0	-2.0	236874.7	9841.5
					MIN	4848	-73629.4	-342707.2	912048.0	-6.3	-279460.6	-4734.6
						4840	-205383.1	-605517.0	1361692.1	0.0	-394238.6	-2322.4
						4740	-704016.9	-3046906.2	-2411500.5	0.0	-131921.2	-7444.4
						4748	-979060.1	-521068.1	-2135575.4	-6.3	-227388.3	-5403.5
1917	3	4	env	SL~1	MAX	4840	208295.2	2366742.3	2503162.2	0.0	112840.3	5586.8
						4832	111253.8	807363.1	2779206.1	0.0	17598.3	15471.9
						4732	408770.0	63382.6	-1413554.7	0.0	288608.7	12395.5
						4740	337124.6	847063.8	-1499173.5	0.0	266789.3	236.5
					MIN	4840	-335407.5	-63382.6	1364149.1	0.0	-461342.7	-11610.4
						4832	-410487.1	-847063.8	1602820.9	0.0	-526052.6	904.4
						4732	-113797.6	-2366742.3	-2504048.0	0.0	-15783.5	-1465.8
						4740	-205751.4	-807363.1	-2709376.4	0.0	-23110.6	-10062.9
1918	3	4	env	SL~1	MAX	4832	-48571.2	2129762.2	2776733.4	0.0	-30352.6	1049.9
						4824	-74065.4	843562.0	3098402.0	0.0	-60101.4	19958.1
						4724	622459.0	51873.6	-1744968.5	0.0	350883.1	15786.0
						4732	553925.7	1061316.9	-1697614.6	0.0	330139.7	-1407.0
					MIN	4832	-552297.4	-51873.6	1647610.1	0.0	-650519.6	-16495.5
						4824	-624087.2	-1061316.9	1797125.3	0.0	-711825.9	3194.3
						4724	73285.2	-2129762.2	-2896589.2	0.0	14496.2	-79.6
						4732	49351.3	-843562.0	-2909602.3	0.0	4930.9	-13375.1
1919	3	4	env	SL~1	MAX	4824	-97031.0	1593596.3	3366684.0	0.0	-79858.9	-1905.7
						4816	-87330.3	701278.1	3543060.7	0.0	-72767.4	19370.8
						4716	721134.8	202118.9	-1892505.3	0.0	375697.2	18263.8
						4724	702602.1	1564593.3	-1824009.1	0.0	371801.3	-1620.2
					MIN	4824	-702384.4	-202118.9	1927040.4	0.0	-782502.8	-22284.2
						4816	-721352.5	-1564593.3	1861641.1	0.0	-789576.6	1852.4

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				4716	87518.4	-1593596.3	-3508959.2	0.0	21732.1	960.4
				4724	96843.0	-701278.1	-3331841.5	0.0	24118.3	-14565.2
1920	3	4	env SL~1 MAX	4816	-49325.9	1014211.1	2708016.4	0.0	-39880.5	-1802.6
				4808	-20897.8	636632.2	1719374.2	-1.0	-13276.3	13702.1
				4708	630026.8	280577.6	-520515.1	-1.8	330901.9	17414.7
				4716	669180.4	2605188.0	-1251347.7	0.0	350688.2	-513.2
			MIN	4816	-670761.0	-280577.6	1218009.0	0.0	-746956.0	-24292.7
				4808	-628446.2	-2605188.0	712356.3	-5.7	-687091.6	-531.0
				4708	21597.5	-1014211.1	-1636522.8	-6.0	1916.4	274.8
				4716	48626.2	-636632.2	-2356202.7	0.0	10569.2	-12525.9
1921	3	4	env SL~1 MAX	4796	739933.6	2667771.2	1797030.2	0.0	723907.0	22468.0
				4788	635758.5	164919.9	1408639.2	0.0	618996.6	438.4
				4688	57132.3	654423.4	-809030.8	0.0	12215.5	1047.7
				4696	75899.2	638681.6	-46287.9	0.0	-1999.3	13123.2
			MIN	4796	-76327.1	-654423.4	-246062.7	0.0	36462.6	1071.0
				4788	-56704.3	-638681.6	1122509.2	0.0	-1806.0	-12315.2
				4688	-638570.7	-2667771.2	-1452707.0	0.0	-258535.0	-13165.9
				4696	-737121.5	-164919.9	-1684018.4	0.0	-295571.0	1199.9
1922	3	4	env SL~1 MAX	4788	522397.1	2017056.0	1889313.6	0.0	512856.6	12528.9
				4780	513311.6	360125.4	1752747.6	0.0	508062.4	-80.5
				4680	37902.3	439157.2	-1117860.1	0.0	29174.5	2649.7
				4688	38343.6	1211959.9	-1060464.4	0.0	25952.7	11130.0
			MIN	4788	-38226.2	-439157.2	1106036.6	0.0	-45168.6	-2653.3
				4780	-38019.6	-1211959.9	1145191.2	0.0	-47451.0	-14030.4
				4680	-513483.4	-2017056.0	-1589146.7	0.0	-212259.5	-9044.0
				4688	-522225.4	-360125.4	-1983970.5	0.0	-216250.7	478.2
1923	3	4	env SL~1 MAX	4780	523445.7	1972418.7	1355584.3	0.0	508583.1	11727.9
				4772	528493.2	451492.7	1469471.2	0.0	517836.4	-200.5
				4672	45520.3	354873.9	-960805.0	0.0	30315.8	2798.5
				4680	43991.9	1285280.2	-1043950.2	0.0	28556.5	11312.9
			MIN	4780	-43825.5	-354873.9	1012392.3	0.0	-53057.8	-3055.3
				4772	-45686.6	-1285280.2	1055039.3	0.0	-50860.7	-14910.7
				4672	-528306.2	-1972418.7	-1325365.4	0.0	-212210.0	-8837.4
				4680	-523632.7	-451492.7	-1430746.2	0.0	-212204.8	425.9
1924	3	4	env SL~1 MAX	4772	546699.8	1979150.8	1363029.1	0.0	524579.6	12429.5
				4764	544712.0	549600.0	1473601.9	0.0	526487.9	-24.2
				4664	50683.8	260675.9	-872565.4	0.0	31314.9	2815.6
				4672	51338.5	1281875.0	-1001577.9	0.0	28840.3	11388.3

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				MIN	4772	-51233.2	-260675.9	925450.2	0.0	-54247.5	-2988.6
					4764	-50789.1	-1281875.0	1011369.4	0.0	-54151.8	-14761.9
					4664	-544717.1	-1979150.8	-1328008.2	0.0	-211808.1	-9068.3
					4672	-546694.7	-549600.0	-1439678.9	0.0	-214153.3	367.6
1925	3	4	env SL~1	MAX	4764	533609.2	1980022.6	1270850.0	0.0	508649.1	12877.6
					4756	512778.9	641201.3	1378851.0	0.0	491546.9	705.5
					4656	64584.7	176867.8	-785067.3	0.0	37138.2	2991.9
					4664	51760.4	1298606.0	-953046.6	0.0	32806.2	10615.4
				MIN	4764	-51707.2	-176867.8	833895.5	0.0	-65358.1	-2973.8
					4756	-64793.3	-1298606.0	938919.7	0.0	-71542.2	-12968.3
					4656	-513272.7	-1980022.6	-1272018.0	0.0	-196515.5	-8772.8
					4664	-533115.5	-641201.3	-1330330.6	0.0	-204507.0	29.2
1926	3	4	env SL~1	MAX	4756	302651.5	2062276.1	910417.6	0.0	292569.2	13489.5
					4748	251273.6	594977.7	945409.3	-1.9	237869.5	3092.3
					4648	90750.7	220438.1	-331420.6	-2.0	41927.1	3376.2
					4656	70374.2	1226769.2	-579478.2	0.0	34413.2	6105.5
				MIN	4756	-69604.0	-220438.1	430039.1	0.0	-76022.1	-3063.1
					4748	-91520.9	-1226769.2	575054.2	-6.2	-93636.4	-5585.4
					4648	-253494.8	-2062276.1	-840194.2	-6.2	-98340.4	-8247.2
					4656	-300430.3	-594977.7	-964171.7	0.0	-116320.6	-1397.3
1927	3	4	env SL~1	MAX	4748	237302.8	2933058.5	1806625.0	-2.0	232465.8	7025.6
					4740	131195.2	486977.8	2707771.5	0.0	130842.4	5404.6
					4640	280734.2	376872.0	-1311270.7	0.0	113720.5	5341.0
					4648	235338.2	646209.9	-1034423.4	-2.0	98554.3	3985.0
				MIN	4748	-234621.3	-376872.0	1025974.5	-6.3	-236648.5	-4942.0
					4740	-281451.1	-646209.9	1399771.0	0.0	-274518.3	-919.9
					4640	-133081.5	-2933058.5	-2341754.1	0.0	-80744.4	-2212.6
					4648	-235416.5	-486977.8	-2086015.6	-6.3	-98251.2	-2500.7
1928	3	4	env SL~1	MAX	4740	-16288.2	2346577.6	2413105.4	0.0	23822.8	2046.7
					4732	-53723.1	767449.3	2696226.7	0.0	14559.8	6837.6
					4632	300701.4	103191.0	-1409028.6	0.0	115787.9	6713.3
					4640	274278.6	873404.6	-1475994.2	0.0	106735.8	928.9
				MIN	4740	-273691.5	-103191.0	1356777.2	0.0	-267500.7	-7436.7
					4732	-301288.5	-873404.6	1564383.0	0.0	-288032.2	-62.9
					4632	52758.0	-2346577.6	-2429109.7	0.0	-50751.9	-1932.6
					4640	17253.4	-767449.3	-2611278.4	0.0	-54438.4	-3996.5
1929	3	4	env SL~1	MAX	4732	-73353.0	2087115.1	2717423.5	0.0	-3707.2	1391.1

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				4724	-80446.3	811988.5	3020259.6	0.0	-15292.1	8346.8
				4624	368954.6	81501.1	-1722907.5	0.0	138292.0	7881.9
				4632	343651.8	1109361.5	-1660219.4	0.0	129677.4	212.4
			MIN	4732	-343098.7	-81501.1	1636160.9	0.0	-330716.2	-9093.2
				4724	-369507.6	-1109361.5	1758723.0	0.0	-349971.0	842.1
				4624	80125.9	-2087115.1	-2833547.5	0.0	-35204.7	-1316.2
				4632	73673.3	-811988.5	-2835191.6	0.0	-39705.3	-5140.5
1930	3	4	env SL~1 MAX	4724	-86898.8	1557672.9	3208171.1	0.0	-23322.4	218.2
				4716	-81366.2	703808.0	3285076.4	0.0	-21629.2	7971.6
				4616	394157.8	196909.6	-1800649.4	0.0	147168.3	8728.3
				4624	387600.4	1614621.4	-1758450.7	0.0	144644.8	27.4
			MIN	4724	-387567.1	-196909.6	1861375.5	0.0	-372713.4	-11091.4
				4716	-394191.1	-1614621.4	1769263.3	0.0	-371867.9	441.0
				4616	81395.6	-1557672.9	-3264883.7	0.0	-28301.4	-849.3
				4624	86869.4	-703808.0	-3159419.8	0.0	-28355.6	-5488.4
1931	3	4	env SL~1 MAX	4716	-65835.2	1123914.3	2580085.5	0.0	-10672.1	154.6
				4708	-53485.9	690323.0	1737681.5	-1.8	-1932.3	5929.9
				4608	355160.6	224377.0	-687897.8	-2.0	130423.0	8295.0
				4616	367080.8	2421743.9	-1263882.1	0.0	136737.9	324.6
			MIN	4716	-367674.0	-224377.0	1237212.5	0.0	-354517.5	-11603.6
				4708	-354567.4	-2421743.9	877907.7	-6.0	-330941.6	-339.7
				4608	53699.3	-1123914.3	-1662622.4	-6.1	-31337.6	-972.4
				4616	65621.8	-690323.0	-2287285.9	0.0	-29115.3	-4761.1
1932	3	4	env SL~1 MAX	4696	185483.7	2458441.7	1684018.4	0.0	295571.0	8961.5
				4688	145022.1	209096.7	1384569.7	0.0	258159.8	-1499.9
				4588	167860.9	605273.9	-819427.3	0.0	-84273.9	-474.7
				4596	150293.2	839806.1	-272641.2	0.0	-91325.5	7712.5
			MIN	4696	-149902.0	-605273.9	46287.9	0.0	1999.3	194.2
				4688	-168252.1	-839806.1	1086458.6	0.0	-10664.2	-6824.7
				4588	-146062.4	-2458441.7	-1413750.2	0.0	-176369.8	-6110.5
				4596	-184443.4	-209096.7	-1585893.8	0.0	-191599.8	3191.7
1933	3	4	env SL~1 MAX	4688	108625.5	2048885.7	1679811.6	0.0	216625.9	5301.5
				4680	102493.5	344440.1	1662506.9	0.0	214058.3	-1670.8
				4580	180590.5	454619.1	-1079765.9	0.0	-73948.9	246.5
				4588	176286.8	1189302.5	-1076435.2	0.0	-77973.2	6892.0
			MIN	4688	-176211.6	-454619.1	1127067.0	0.0	-27504.1	-1217.2
				4680	-180665.6	-1189302.5	1133765.4	0.0	-27265.2	-7273.2
				4580	-102629.8	-2048885.7	-1490202.4	0.0	-154457.6	-4592.4
				4588	-108489.2	-344440.1	-1783172.1	0.0	-158923.2	2912.5

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1934 3 4 env SL~1 MAX 4680 111115.9 1959070.1 1357386.0 0.0 210406.1 4825.7
4672 110415.9 443334.5 1444932.4 0.0 213588.0 -1664.9
4572 174300.1 360755.0 -951637.7 0.0 -69001.5 386.9
4580 171281.1 1298921.9 -1037604.0 0.0 -72226.0 6781.3

MIN 4680 -171257.0 -360755.0 1006865.7 0.0 -30465.8 -1414.6
4672 -174324.2 -1298921.9 1045052.4 0.0 -28455.8 -7476.6
4572 -110401.0 -1959070.1 -1305251.2 0.0 -148900.5 -4315.3
4580 -111130.8 -443334.5 -1428123.2 0.0 -151517.4 2779.6

1935 3 4 env SL~1 MAX 4672 122329.6 1965977.8 1320111.9 0.0 212775.4 4952.0
4664 119107.9 539209.0 1426118.5 0.0 213249.9 -1560.4
4564 167756.0 269717.9 -868987.5 0.0 -64268.2 487.5
4572 164136.1 1298009.4 -992458.5 0.0 -67801.1 6660.7

MIN 4672 -164090.7 -269717.9 917330.5 0.0 -30700.3 -1434.5
4664 -167801.3 -1298009.4 1006791.8 0.0 -29451.2 -7301.2
4564 -119164.7 -1965977.8 -1285354.5 0.0 -143507.7 -4145.9
4572 -122272.8 -539209.0 -1391931.8 0.0 -147037.3 2670.9

1936 3 4 env SL~1 MAX 4664 119943.6 1983567.0 1246320.8 0.0 203065.2 4993.1
4656 109458.3 625738.7 1339020.6 0.0 196202.9 -1238.7
4556 167053.2 190141.4 -781861.0 0.0 -57660.3 645.1
4564 161138.8 1295848.0 -919102.4 0.0 -61903.3 6217.4

MIN 4664 -161031.3 -190141.4 832859.7 0.0 -34669.8 -1468.4
4656 -167160.8 -1295848.0 910870.1 0.0 -35844.5 -6485.7
4556 -109703.8 -1983567.0 -1236836.0 0.0 -132381.5 -3881.2
4564 -119698.1 -625738.7 -1305822.1 0.0 -138086.7 2449.8

1937 3 4 env SL~1 MAX 4656 58282.1 2051888.0 897041.8 0.0 116633.3 4920.9
4648 37524.6 598353.9 956567.5 -2.0 97317.4 -478.5
4548 132076.5 216805.3 -408450.7 -2.0 -33297.7 990.5
4556 123284.1 1235006.9 -578004.7 0.0 -38019.3 4618.9

MIN 4656 -122981.1 -216805.3 466484.9 0.0 -35706.9 -1690.5
4648 -132379.6 -1235006.9 586690.3 -6.2 -40872.4 -3878.2
4548 -38370.3 -2051888.0 -848185.0 -6.2 -78760.3 -3667.1
4556 -57436.4 -598353.9 -952943.0 0.0 -84926.1 1968.7

1938 3 4 env SL~1 MAX 4648 -1658.3 2828924.9 1816864.5 -2.0 99262.0 2985.1
4640 -42749.4 453161.6 2627380.3 0.0 80066.7 692.7
4540 265270.2 410257.0 -1375013.7 0.0 -38389.4 1573.0
4548 249173.5 680570.7 -1161906.0 -2.0 -47591.3 3439.7

MIN 4648 -248877.4 -410257.0 1167024.0 -6.3 -99634.6 -2139.5

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				4640	-265566.2	-680570.7	1449947.0	0.0	-112333.3	-2115.8	
				4540	41993.3	-2828924.9	-2287884.6	0.0	-125831.8	-3103.4	
				4548	2414.3	-453161.6	-2068303.7	-6.3	-130067.5	1237.7	
1939	3	4	env SL~1	MAX	4640	-58429.6	2324835.9	2325652.2	0.0	55116.1	2760.0
					4632	-58993.3	728307.5	2613494.7	0.0	49885.6	1130.6
					4532	228745.6	142410.2	-1403097.8	0.0	-15199.3	2297.5
					4540	218292.0	901525.2	-1435159.2	0.0	-21166.0	2540.4
				MIN	4640	-218048.6	-142410.2	1346050.8	0.0	-108123.0	-3244.2
					4632	-228989.0	-901525.2	1526449.5	0.0	-114421.0	-1628.2
					4532	58833.1	-2324835.9	-2354967.6	0.0	-87508.3	-2869.4
					4540	58589.8	-728307.5	-2515235.3	0.0	-90558.2	694.0
1940	3	4	env SL~1	MAX	4632	-63833.8	2047161.4	2650806.5	0.0	40571.5	2372.2
					4624	-65145.5	780624.2	2930389.3	0.0	34525.1	1727.3
					4524	245726.1	111165.3	-1699611.9	0.0	-2545.1	2815.4
					4532	235629.4	1155325.3	-1622128.3	0.0	-8317.1	2003.3
				MIN	4632	-235399.0	-111165.3	1624168.3	0.0	-131044.3	-3892.0
					4624	-245956.5	-1155325.3	1717801.7	0.0	-136878.6	-1032.0
					4524	64964.0	-2047161.4	-2758002.8	0.0	-75867.1	-2474.4
					4532	64015.3	-780624.2	-2754249.1	0.0	-79211.9	180.2
1941	3	4	env SL~1	MAX	4624	-65800.1	1535733.0	3062578.0	0.0	29006.0	1810.7
					4616	-62655.4	704791.5	3075948.2	0.0	27845.8	1613.9
					4516	246212.1	193599.8	-1730332.0	0.0	5266.9	3229.5
					4524	243342.5	1648736.4	-1702010.6	0.0	1625.1	1679.1
				MIN	4624	-243303.7	-193599.8	1804049.2	0.0	-146058.2	-4677.1
					4616	-246250.8	-1648736.4	1698209.1	0.0	-144367.5	-1035.9
					4516	62601.3	-1535733.0	-3064783.5	0.0	-67385.6	-2136.2
					4524	65854.2	-704791.5	-3004798.7	0.0	-69087.8	-26.6
1942	3	4	env SL~1	MAX	4616	-55516.8	1204761.4	2476221.5	0.0	29585.8	1623.2
					4608	-49904.8	735669.5	1759904.0	-2.0	31320.1	1004.2
					4508	227123.5	176443.7	-847257.6	-2.0	4794.6	3095.2
					4516	229021.7	2277365.7	-1279220.5	0.0	2966.5	1529.5
				MIN	4616	-229204.1	-176443.7	1271130.1	0.0	-139538.7	-4838.1
					4608	-226941.1	-2277365.7	978654.0	-6.1	-130462.9	-1196.2
					4508	49921.1	-1204761.4	-1729962.1	-6.1	-62639.0	-2008.7
					4516	55499.4	-735669.5	-2229901.6	0.0	-63468.6	80.7
1943	3	4	env SL~1	MAX	4596	2518.4	2301171.7	1585893.8	0.0	191599.8	5558.9
					4588	-16283.8	239534.3	1353680.8	0.0	177479.0	-4959.5
					4488	211507.7	570261.5	-836149.9	0.0	-162947.1	-3789.4

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1948	3	4	env SL~1	MAX	4556	-18504.6	2039575.5	886511.5	0.0	84028.1	4238.8
					4548	-28583.4	594924.3	964781.1	-2.0	78298.2	-3553.8
					4448	133655.3	219269.7	-491867.1	-2.0	-84207.3	-1874.6
					4456	128567.0	1244512.8	-575814.0	0.0	-88317.7	5699.0
				MIN	4556	-128378.6	-219269.7	508023.7	0.0	36303.2	1084.5
					4548	-133843.6	-1244512.8	598077.1	-6.2	34923.2	-4838.6
					4448	28208.6	-2039575.5	-856517.1	-6.2	-109166.3	-4439.2
					4456	18879.4	-594924.3	-941525.2	0.0	-113930.5	4065.0
1949	3	4	env SL~1	MAX	4548	-59175.9	2737925.7	1836512.1	-2.0	130516.8	3919.2
					4540	-66123.5	420932.6	2560021.0	0.0	125390.3	-3182.0
					4440	236708.1	441494.5	-1441216.2	0.0	-126245.3	-1164.8
					4448	230335.8	706129.0	-1297157.3	-2.0	-137798.4	4953.3
				MIN	4548	-230129.3	-441494.5	1313008.4	-6.3	45940.2	1086.3
					4540	-236914.5	-706129.0	1505416.4	0.0	40120.9	-3534.1
					4440	65983.4	-2737925.7	-2243863.7	0.0	-173551.4	-3935.1
					4448	59401.1	-420932.6	-2064613.0	-6.3	-183006.0	3829.0
1950	3	4	env SL~1	MAX	4540	-50209.1	2302968.7	2243099.0	0.0	90999.6	3566.6
					4532	-49877.7	690468.9	2531406.3	0.0	87002.8	-2816.7
					4432	185547.2	180599.4	-1396939.3	0.0	-81483.3	-310.0
					4440	180103.9	929879.2	-1396539.9	0.0	-87976.9	4598.7
				MIN	4540	-179927.8	-180599.4	1335814.6	0.0	19434.5	188.1
					4532	-185723.3	-929879.2	1489609.7	0.0	16952.2	-3319.6
					4432	49731.3	-2302968.7	-2281532.4	0.0	-120883.7	-3626.3
					4440	50355.5	-690468.9	-2424028.8	0.0	-127275.9	3408.9
1951	3	4	env SL~1	MAX	4532	-49530.1	2011448.2	2577810.5	0.0	79717.4	3209.5
					4524	-49449.0	750094.6	2833596.6	0.0	75437.6	-2403.6
					4424	184802.9	140237.3	-1675929.3	0.0	-67933.2	190.5
					4432	179430.7	1197534.2	-1583667.8	0.0	-74215.6	4177.6
				MIN	4532	-179259.1	-140237.3	1611254.2	0.0	6564.2	-402.8
					4524	-184974.4	-1197534.2	1676093.2	0.0	4225.4	-2934.7
					4424	49295.2	-2011448.2	-2674241.6	0.0	-107718.9	-3249.0
					4432	49684.0	-750094.6	-2668221.4	0.0	-114022.7	3044.5
1952	3	4	env SL~1	MAX	4524	-47845.4	1523697.3	2929204.8	0.0	69517.3	2800.2
					4516	-46385.3	704720.3	2904590.9	0.0	66966.1	-2137.4
					4416	177435.3	191796.3	-1678371.0	0.0	-56507.7	635.0
					4424	175007.9	1671452.8	-1654038.8	0.0	-61999.6	3881.6
				MIN	4524	-174909.1	-191796.3	1752134.9	0.0	-3305.4	-1007.2
					4516	-177534.1	-1671452.8	1644536.5	0.0	-2715.6	-2731.7
					4416	46281.8	-1523697.3	-2898994.0	0.0	-96266.4	-2913.6

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				4424	47948.9	-704720.3	-2865857.7	0.0	-101835.9	2716.3	
1953	3	4	env SL~1	MAX	4516	-42443.0	1262027.7	2390094.3	0.0	63888.1	2529.1
					4508	-40254.4	774174.8	1777770.2	-2.0	62621.2	-1938.1
					4408	166635.2	134844.8	-992728.6	-2.0	-49843.6	785.4
					4416	164074.0	2163366.6	-1295713.2	0.0	-53395.8	3632.9
				MIN	4516	-164056.7	-134844.8	1313273.3	0.0	-5517.8	-1274.2
					4508	-166652.5	-2163366.6	1058939.3	-6.1	-4812.6	-2576.8
					4408	40184.8	-1262027.7	-1771498.7	-6.1	-89816.2	-2667.6
					4416	42512.6	-774174.8	-2181283.2	0.0	-93310.7	2480.4
1954	3	4	env SL~1	MAX	4496	-47223.1	2182603.4	1498216.1	0.0	211491.1	6625.4
					4488	-56163.5	259383.2	1317865.4	0.0	208263.3	-6475.7
					4388	223646.8	546115.8	-856023.3	0.0	-194194.9	-4420.9
					4396	215255.7	1103571.8	-588683.4	0.0	-198746.2	11477.3
				MIN	4496	-215060.8	-546115.8	449491.4	0.0	168094.9	4375.2
					4488	-223841.8	-1103571.8	1030018.9	0.0	164968.1	-9765.3
					4388	56011.2	-2182603.4	-1329564.8	0.0	-333679.0	-7443.1
					4396	47375.4	-259383.2	-1418081.2	0.0	-340273.1	7082.7
1955	3	4	env SL~1	MAX	4488	-53120.8	2067506.2	1402047.4	0.0	197123.9	6373.0
					4480	-58129.7	322407.7	1502774.5	0.0	195984.9	-6151.5
					4380	218496.8	474987.9	-1013457.7	0.0	-184415.3	-3971.5
					4388	214964.0	1183875.7	-1076083.2	0.0	-189787.0	11185.9
				MIN	4488	-214781.7	-474987.9	1075809.2	0.0	155437.6	3784.6
					4480	-218679.1	-1183875.7	1089287.7	0.0	154332.1	-9513.6
					4380	58001.1	-2067506.2	-1326643.5	0.0	-318053.7	-6811.4
					4388	53249.3	-322407.7	-1509234.4	0.0	-326101.1	6809.7
1956	3	4	env SL~1	MAX	4480	-50816.7	1946349.4	1307710.1	0.0	186841.3	6027.1
					4472	-56073.5	422340.0	1379543.7	0.0	185877.9	-5808.1
					4372	208832.3	377837.0	-929043.5	0.0	-174945.4	-3696.4
					4380	204725.8	1314738.6	-985393.5	0.0	-179853.7	10700.8
				MIN	4480	-204558.5	-377837.0	981635.3	0.0	146862.4	3454.0
					4472	-208999.5	-1314738.6	994744.5	0.0	146029.4	-9117.2
					4372	55959.6	-1946349.4	-1244548.2	0.0	-302386.4	-6395.1
					4380	50930.7	-422340.0	-1373761.6	0.0	-309851.9	6445.4
1957	3	4	env SL~1	MAX	4472	-49014.9	1944681.0	1248371.8	0.0	176858.0	5670.3
					4464	-54224.6	516410.2	1345713.0	0.0	175818.5	-5489.9
					4364	199633.5	289671.5	-863351.9	0.0	-165692.5	-3407.1
					4372	195614.9	1324325.9	-913610.3	0.0	-170715.6	10272.4

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			MIN	4472	-195443.4	-289671.5	905129.3	0.0	138762.9	3189.9
				4464	-199805.0	-1324325.9	934212.7	0.0	137852.3	-8738.0
				4364	54106.8	-1944681.0	-1212775.6	0.0	-286994.4	-5952.8
				4372	49132.7	-516410.2	-1312365.2	0.0	-294596.9	6109.5
1958	3	4	env SL~1 MAX	4464	-47613.8	1986884.2	1198890.4	0.0	166422.9	5324.5
				4456	-53269.6	598307.9	1268929.4	0.0	165058.4	-5176.5
				4356	191286.6	213686.5	-777577.1	0.0	-156168.2	-3082.2
				4364	186837.5	1294524.1	-853217.9	0.0	-161260.5	9815.6
			MIN	4464	-186659.4	-213686.5	831071.8	0.0	130149.1	2924.0
				4456	-191464.7	-1294524.1	854888.1	0.0	128851.3	-8322.4
				4356	53142.8	-1986884.2	-1174946.6	0.0	-271434.3	-5516.7
				4364	47740.7	-598307.9	-1257375.6	0.0	-279043.8	5773.2
1959	3	4	env SL~1 MAX	4456	-33981.0	2024561.1	876307.3	0.0	111797.0	4920.4
				4448	-38869.8	585702.9	966536.9	-2.0	111267.8	-4967.6
				4348	133626.6	226990.5	-572192.5	-2.0	-105126.3	-2446.1
				4356	129345.3	1256468.4	-571229.4	0.0	-109603.5	9594.1
			MIN	4456	-129139.3	-226990.5	549579.7	0.0	86677.1	2309.3
				4448	-133832.6	-1256468.4	605351.4	-6.2	85820.9	-8197.9
				4348	38721.7	-2024561.1	-862152.4	-6.2	-184589.2	-5072.6
				4356	34144.5	-585702.9	-927834.7	0.0	-190780.2	5491.6
1960	3	4	env SL~1 MAX	4448	-62280.0	2659475.1	1854824.4	-2.0	180879.1	4681.8
				4440	-62696.8	390022.4	2501288.9	0.0	175661.8	-4400.2
				4340	224552.5	470811.1	-1504458.9	0.0	-169278.8	-2232.1
				4348	220632.5	723158.8	-1319074.5	-2.1	-177482.1	8631.2
			MIN	4448	-220398.4	-470811.1	1413067.1	-6.3	135999.3	2336.8
				4440	-224786.6	-723158.8	1519251.4	0.0	128177.1	-7011.6
				4340	62528.8	-2659475.1	-2205655.1	0.0	-301137.8	-4654.3
				4348	62458.0	-390022.4	-2062401.7	-6.3	-313239.4	5090.6
1961	3	4	env SL~1 MAX	4440	-45203.5	2281215.0	2166603.6	0.0	125165.5	4187.3
				4432	-45286.7	654124.9	2450191.3	0.0	123039.3	-4067.9
				4332	168742.6	217602.9	-1391395.7	0.0	-119939.8	-1472.5
				4340	164056.7	958163.4	-1361205.2	0.0	-125546.5	8211.6
			MIN	4440	-163852.2	-217602.9	1328214.1	0.0	86040.5	1317.0
				4432	-168947.2	-958163.4	1454136.6	0.0	83509.8	-6811.2
				4332	45124.3	-2281215.0	-2208949.8	0.0	-216385.7	-4177.6
				4340	45365.9	-654124.9	-2338901.1	0.0	-224565.5	4641.4
1962	3	4	env SL~1 MAX	4432	-41779.4	1979448.7	2499562.6	0.0	111867.0	3786.2
				4424	-41933.6	720465.9	2732671.3	0.0	109732.1	-3678.5

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1967 3 4 env SL~1 MAX 4380 -70023.1 1941963.2 1267985.0 0.0 307320.5 8976.4
 4372 -76604.2 410478.2 1341006.7 0.0 305100.9 -7406.5
 4272 233599.7 387921.3 -916274.6 0.0 -217157.8 -4630.2
 4280 227325.0 1321408.3 -934220.8 0.0 -222706.0 15400.7

MIN 4380 -227089.1 -387921.3 964768.3 0.0 177916.6 4406.2
 4372 -233835.6 -1321408.3 947460.1 0.0 177025.6 -13546.4
 4272 76476.4 -1941963.2 -1207812.8 0.0 -434851.7 -9979.6
 4280 70150.8 -410478.2 -1332433.2 0.0 -444521.9 8164.0

1968 3 4 env SL~1 MAX 4372 -68746.2 1935150.5 1215906.6 0.0 291882.4 8425.3
 4364 -75159.8 504330.2 1309993.7 0.0 289639.3 -7044.9
 4264 225342.6 300282.4 -861593.3 0.0 -207003.3 -4305.5
 4272 219295.4 1336105.9 -872380.7 0.0 -212698.9 14815.7

MIN 4372 -219055.3 -300282.4 900304.5 0.0 168635.3 4096.0
 4364 -225582.7 -1336105.9 895107.9 0.0 167721.2 -13004.4
 4264 75028.6 -1935150.5 -1180545.6 0.0 -414592.7 -9370.4
 4272 68877.4 -504330.2 -1276410.7 0.0 -424448.6 7794.9

1969 3 4 env SL~1 MAX 4364 -67455.9 1986243.3 1175898.5 0.0 276398.9 7890.1
 4356 -74171.4 585835.3 1237394.0 0.0 274146.0 -6687.6
 4256 217747.5 224394.6 -775892.4 0.0 -196965.1 -4000.2
 4264 211272.1 1296249.2 -821557.5 0.0 -202525.4 14200.6

MIN 4364 -211037.7 -224394.6 830713.5 0.0 159231.8 3796.0
 4356 -217981.9 -1296249.2 827569.1 0.0 158232.8 -12448.0
 4256 74041.3 -1986243.3 -1147127.7 0.0 -394730.1 -8797.2
 4264 67586.1 -585835.3 -1234131.8 0.0 -404288.6 7416.1

1970 3 4 env SL~1 MAX 4356 -46218.0 2006778.1 864589.4 0.0 188068.5 6843.8
 4348 -50422.5 571889.3 959827.3 -2.0 187305.6 -6523.6
 4248 149381.5 238419.9 -641879.1 -2.1 -132433.2 -3274.7
 4256 145220.4 1271259.4 -563169.8 0.0 -138401.3 14013.1

MIN 4356 -144921.2 -238419.9 586705.4 0.0 107538.8 3111.3
 4348 -149680.7 -1271259.4 606211.4 -6.2 107201.4 -12359.7
 4248 50216.0 -2006778.1 -861080.3 -6.2 -268499.4 -7717.2
 4256 46411.3 -571889.3 -910519.9 0.0 -277498.4 7224.1

1971 3 4 env SL~1 MAX 4348 -75771.9 2589701.6 1865161.6 -2.1 310498.1 7056.6
 4340 -78589.2 361053.4 2447869.6 0.0 303779.2 -5683.5
 4240 244656.9 499267.1 -1515877.6 0.0 -214330.2 -3282.0
 4248 240563.9 732929.9 -1316499.6 -2.1 -223783.0 12628.2

MIN 4348 -240256.5 -499267.1 1412885.9 -6.3 175418.0 3321.4
 4340 -244964.4 -732929.9 1499542.6 0.0 171307.9 -10742.3

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			4240	78384.4	-2589701.6	-2170581.4	0.0	-439636.0	-7525.8
			4248	75955.3	-361053.4	-2054393.3	-6.3	-455665.1	6536.9
1972	3	4 env SL~1 MAX	4340	-54452.7	2259807.8	2096686.6	0.0	221924.1	5911.2
			4332	-54931.5	619364.5	2370070.1	0.0	219103.7	-5335.3
			4232	181358.6	253370.7	-1387143.3	0.0	-153192.6	-2621.1
			4240	175642.9	986125.2	-1329712.2	0.0	-159865.6	12052.6
		MIN	4340	-175375.5	-253370.7	1324691.8	0.0	123517.3	2447.1
			4332	-181626.0	-986125.2	1420198.8	0.0	122031.2	-10463.8
			4232	54729.3	-2259807.8	-2137369.1	0.0	-318568.3	-6535.5
			4240	54655.0	-619364.5	-2260443.6	0.0	-329222.8	6039.1
1973	3	4 env SL~1 MAX	4332	-47568.5	1950223.6	2416956.6	0.0	204521.9	5291.1
			4324	-47971.4	691586.7	2629098.2	0.0	201549.1	-4863.1
			4224	171488.9	196980.0	-1605603.8	0.0	-139757.9	-2102.6
			4232	165931.9	1272854.0	-1506111.3	0.0	-146586.3	11383.0
		MIN	4332	-165656.3	-196980.0	1581102.4	0.0	112340.7	1966.9
			4324	-171764.5	-1272854.0	1593289.0	0.0	110778.2	-9840.0
			4224	47764.0	-1950223.6	-2492705.5	0.0	-295288.7	-5839.8
			4232	47775.9	-691586.7	-2484405.3	0.0	-306205.0	5533.3
1974	3	4 env SL~1 MAX	4324	-42583.8	1512356.1	2696632.5	0.0	187930.3	4681.0
			4316	-44657.3	700156.4	2646159.8	0.0	186084.8	-4448.1
			4216	161921.0	193923.0	-1602683.6	0.0	-128931.8	-1754.3
			4224	156109.1	1700230.7	-1580123.5	0.0	-134354.8	10697.4
		MIN	4324	-155881.2	-193923.0	1667111.9	0.0	101982.3	1527.6
			4316	-162148.9	-1700230.7	1578371.6	0.0	101376.7	-9300.6
			4216	44514.1	-1512356.1	-2646895.6	0.0	-274284.7	-5255.7
			4224	42727.0	-700156.4	-2626952.7	0.0	-283923.0	4976.8
1975	3	4 env SL~1 MAX	4316	-42237.2	1323493.8	2254098.1	0.0	172562.4	4224.3
			4308	-45052.8	838570.6	1784570.3	-2.0	169561.6	-4102.2
			4208	157087.9	66256.1	-1143684.6	-2.0	-121049.5	-1504.0
			4216	149214.2	1995978.8	-1328287.9	0.0	-125609.1	10049.5
		MIN	4316	-148970.4	-66256.1	1369399.8	0.0	91611.6	1275.0
			4308	-157331.7	-1995978.8	1165249.1	-6.1	89985.8	-8660.4
			4208	44922.1	-1323493.8	-1793968.2	-6.1	-255120.6	-4734.1
			4216	42367.9	-838570.6	-2101996.2	0.0	-264403.4	4608.5
1976	3	4 env SL~1 MAX	4296	-114908.4	2023713.4	1342268.8	0.0	483091.3	14595.3
			4288	-126360.0	274216.6	1237220.8	0.0	479467.6	-10387.0
			4188	312672.6	523048.2	-889710.8	0.0	-309078.4	-7066.3
			4196	297628.7	1254320.1	-789059.1	0.0	-313502.0	22412.4

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				MIN	4296	-297393.7	-523048.2	699622.9	0.0	242204.0	6532.7
					4288	-312907.6	-1254320.1	925450.5	0.0	240641.8	-20096.8
					4188	126241.2	-2023713.4	-1242322.9	0.0	-653903.4	-16063.2
					4196	115027.2	-274216.6	-1268222.6	0.0	-662121.6	11429.8
1977	3	4	env SL~1	MAX	4288	-120828.8	2057483.3	1236111.2	0.0	461819.7	13737.0
					4280	-127983.2	305364.2	1368085.2	0.0	458688.6	-10036.9
					4180	310217.5	489270.4	-957228.4	0.0	-298872.3	-6562.9
					4188	302376.0	1202643.6	-959958.5	0.0	-305688.5	22091.8
				MIN	4288	-302057.9	-489270.4	1010050.2	0.0	230631.7	6064.5
					4280	-310535.6	-1202643.6	974042.3	0.0	229825.4	-19619.1
					4180	127831.9	-2057483.3	-1195709.6	0.0	-631199.7	-15061.9
					4188	120980.1	-305364.2	-1339671.8	0.0	-644102.3	11235.0
1978	3	4	env SL~1	MAX	4280	-118761.1	1936576.2	1222974.5	0.0	441327.8	13075.0
					4272	-127096.3	397700.8	1299890.2	0.0	438285.1	-9608.2
					4172	303507.3	398901.5	-902796.6	0.0	-288257.2	-6278.0
					4180	293767.6	1329309.5	-881341.7	0.0	-294178.0	21243.2
				MIN	4280	-293479.9	-398901.5	946015.7	0.0	220412.8	5755.9
					4272	-303795.1	-1329309.5	899525.8	0.0	219630.0	-18872.9
					4172	126963.2	-1936576.2	-1168589.0	0.0	-607039.3	-14407.4
					4180	118894.1	-397700.8	-1285861.0	0.0	-618495.3	10743.7
1979	3	4	env SL~1	MAX	4272	-118876.2	1925199.6	1184600.7	0.0	421015.2	12380.6
					4264	-126866.8	491656.1	1276069.1	0.0	417898.2	-9227.0
					4164	297996.8	311453.8	-860867.4	0.0	-277849.0	-5929.3
					4172	288716.0	1348216.7	-831929.0	0.0	-284086.7	20549.5
				MIN	4272	-288418.8	-311453.8	896250.6	0.0	210226.6	5421.1
					4264	-298293.9	-1348216.7	857002.2	0.0	209382.9	-18194.9
					4164	126726.3	-1925199.6	-1150225.4	0.0	-583430.4	-13663.2
					4172	119016.7	-491656.1	-1241500.5	0.0	-595287.5	10373.9
1980	3	4	env SL~1	MAX	4264	-118953.1	1983567.3	1153363.9	0.0	400983.0	11727.7
					4256	-127534.5	573709.7	1210083.7	0.0	398268.4	-8858.6
					4156	294222.4	234879.9	-774078.3	0.0	-268420.4	-5652.0
					4164	283879.4	1300072.4	-790718.0	0.0	-274000.3	19793.0
				MIN	4264	-283613.1	-234879.9	830848.6	0.0	200145.7	5110.2
					4256	-294488.7	-1300072.4	800740.6	0.0	199517.5	-17520.8
					4156	127411.3	-1983567.3	-1120770.1	0.0	-561682.0	-13039.3
					4164	119076.3	-573709.7	-1211541.3	0.0	-572386.8	9967.4
1981	3	4	env SL~1	MAX	4256	-80659.7	1986761.6	850008.5	0.0	273960.1	10140.7

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				4248	-83498.5	554755.2	960004.5	-2.1	272100.0	-8776.6	
				4148	198317.6	252201.8	-693668.0	-2.1	-178161.1	-4399.1	
				4156	195514.7	1288643.9	-550957.3	0.0	-187803.1	19842.6	
			MIN	4256	-195011.0	-252201.8	615215.7	0.0	135848.8	4112.7	
				4248	-198821.4	-1288643.9	599107.7	-6.2	135040.5	-17497.0	
				4148	83178.1	-1986761.6	-851461.7	-6.2	-379789.4	-11172.9	
				4156	80980.0	-554755.2	-896574.2	0.0	-394365.3	10032.9	
1982	3	4	env SL~1 MAX	4248	-123299.0	2525806.8	1862996.0	-2.1	452040.4	10422.4	
				4240	-128795.4	331823.4	2397285.9	0.0	442991.9	-7456.4	
				4140	319288.1	528499.0	-1496091.3	0.0	-285947.0	-4496.1	
				4148	314377.1	761329.1	-1303410.9	-2.1	-298007.2	17637.9	
			MIN	4248	-313967.1	-528499.0	1400760.9	-6.3	221187.0	4397.6	
				4240	-319698.1	-761329.1	1478792.8	0.0	216762.5	-15155.6	
				4140	128572.6	-2525806.8	-2136919.2	0.0	-620373.3	-11015.7	
				4148	123521.8	-331823.4	-2035306.2	-6.3	-641656.8	8756.0	
1983	3	4	env SL~1 MAX	4240	-87319.8	2239129.4	2033739.2	0.0	325866.8	8928.0	
				4232	-93228.0	586213.5	2291312.4	0.0	322069.5	-7034.5	
				4132	237143.3	287953.4	-1384914.9	0.0	-204545.8	-3677.9	
				4140	229503.5	1013404.9	-1302540.2	0.0	-213194.7	16843.3	
			MIN	4240	-229156.3	-287953.4	1326847.9	0.0	157433.4	3488.5	
				4232	-237490.4	-1013404.9	1387969.9	0.0	155739.8	-14770.8	
				4132	93022.8	-2239129.4	-2066952.4	0.0	-452254.1	-9748.3	
				4140	87525.1	-586213.5	-2189155.1	0.0	-465948.5	8146.3	
1984	3	4	env SL~1 MAX	4232	-78879.6	1922812.3	2330461.9	0.0	302703.9	8095.9	
				4224	-79838.7	663174.8	2523334.7	0.0	298455.7	-6378.2	
				4124	224081.5	225534.3	-1563655.8	0.0	-185655.9	-3100.3	
				4132	217241.3	1307846.7	-1466805.4	0.0	-194954.2	15990.1	
			MIN	4232	-216865.1	-225534.3	1540806.8	0.0	144039.1	2998.2	
				4224	-224457.6	-1307846.7	1552330.7	0.0	142056.5	-13943.8	
				4124	79537.0	-1922812.3	-2397503.1	0.0	-421026.7	-8785.4	
				4132	79103.4	-663174.8	-2387349.6	0.0	-435732.3	7419.7	
1985	3	4	env SL~1 MAX	4224	-71023.8	1506469.6	2596323.5	0.0	280756.1	7371.3	
				4216	-75756.9	694171.2	2550317.6	0.0	278523.8	-5826.8	
				4116	216878.8	199488.4	-1580860.7	0.0	-174625.3	-2939.0	
				4124	206841.1	1713217.2	-1552692.5	0.0	-179560.6	14981.9	
			MIN	4224	-206589.3	-199488.4	1633396.6	0.0	132056.2	2637.5	
				4216	-217130.6	-1713217.2	1562833.0	0.0	131926.6	-13214.5	
				4116	75628.3	-1506469.6	-2554048.5	0.0	-397114.7	-8230.6	
				4124	71152.3	-694171.2	-2523648.5	0.0	-407569.6	6513.7	

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1986 3 4 env SL~1 MAX 4216 -74783.9 1361236.4 2198574.2 0.0 260164.3 6740.5
 4208 -80293.5 869117.5 1769373.0 -2.0 255081.6 -5464.0
 4108 212970.6 34647.5 -1154767.6 -2.1 -167230.4 -2708.7
 4116 203140.3 1931314.3 -1343690.6 0.0 -172357.2 14334.5

MIN 4216 -202774.1 -34647.5 1368138.5 0.0 122614.4 2435.0
 4208 -213336.9 -1931314.3 1192996.0 -6.1 121045.8 -12384.1
 4108 80155.6 -1361236.4 -1778068.1 -6.2 -371435.3 -7369.7
 4116 74915.9 -869117.5 -2068888.5 0.0 -384808.2 6183.1

1987 3 4 env SL~1 MAX 4196 -235669.0 1969893.0 1268222.6 0.0 662121.6 20511.1
 4188 -250671.9 270390.1 1193286.6 0.0 659147.6 -13875.0
 4088 462148.1 522636.4 -844687.7 0.0 -452315.7 -10607.4
 4096 438025.0 1304991.4 -763506.9 0.0 -455456.9 30591.6

MIN 4196 -437856.0 -522636.4 789059.1 0.0 313502.0 9244.7
 4188 -462317.1 -1304991.4 879725.8 0.0 312598.1 -27496.6
 4088 250591.6 -1969893.0 -1199009.2 0.0 -918538.6 -22996.5
 4096 235749.3 -270390.1 -1193556.0 0.0 -924080.8 15527.2

1988 3 4 env SL~1 MAX 4188 -246632.0 2047659.0 1177420.0 0.0 638858.2 19569.9
 4180 -255556.6 296711.6 1307608.0 0.0 635248.5 -13724.7
 4080 468786.5 496156.1 -921743.5 0.0 -443628.0 -10047.5
 4088 456606.3 1215702.6 -899010.4 0.0 -450950.8 30604.2

MIN 4188 -456242.5 -496156.1 969943.5 0.0 302168.8 8774.8
 4180 -469150.3 -1215702.6 913486.8 0.0 301559.2 -27079.7
 4080 255399.2 -2047659.0 -1138283.4 0.0 -897671.2 -21782.2
 4088 246789.4 -296711.6 -1277944.1 0.0 -912392.1 15565.2

1989 3 4 env SL~1 MAX 4180 -246880.4 1928760.5 1174614.6 0.0 614446.6 18856.3
 4172 -257991.0 383562.8 1256758.1 0.0 611400.2 -13351.1
 4072 469607.7 411105.6 -888807.0 0.0 -434826.8 -9848.3
 4080 453736.4 1339762.7 -827127.0 0.0 -440239.4 29614.6

MIN 4180 -453447.2 -411105.6 925596.2 0.0 291491.1 8488.6
 4172 -469896.9 -1339762.7 851092.2 0.0 291170.4 -26231.0
 4072 257877.2 -1928760.5 -1127825.6 0.0 -874544.6 -21196.6
 4080 246994.2 -383562.8 -1235138.6 0.0 -886072.3 15121.2

1990 3 4 env SL~1 MAX 4172 -250911.4 1913810.1 1154192.7 0.0 590926.7 18100.8
 4164 -261165.4 478002.0 1243234.6 0.0 587512.7 -13048.4
 4064 472197.8 323539.5 -861208.7 0.0 -425984.6 -9502.3
 4072 457475.4 1361718.2 -792109.6 0.0 -432328.7 28962.1

MIN 4172 -457155.5 -323539.5 893055.8 0.0 281173.6 8164.0

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				4164	-472517.7	-1361718.2	819668.0	0.0	280561.9	-25503.4	
				4064	261027.4	-1913810.1	-1121450.9	0.0	-852083.4	-20405.4	
				4072	251049.5	-478002.0	-1207032.4	0.0	-864791.7	14884.6	
1991	3	4	env SL~1	MAX	4164	-255444.5	1978230.5	1131385.8	0.0	568304.5	17468.7
					4156	-267648.5	561401.1	1195634.2	0.0	566419.4	-12766.0
					4056	480864.7	245702.5	-772965.6	0.0	-420983.8	-9404.4
					4064	462669.0	1306626.3	-760690.1	0.0	-424899.2	28122.3
				MIN	4164	-462458.3	-245702.5	831884.0	0.0	271287.4	7910.7
					4156	-481075.4	-1306626.3	774669.8	0.0	271637.5	-24817.6
					4056	267577.7	-1978230.5	-1095853.3	0.0	-836227.0	-20013.3
					4064	255515.3	-561401.1	-1189535.9	0.0	-844960.2	14515.0
1992	3	4	env SL~1	MAX	4156	-173096.4	1965459.6	831535.1	0.0	389627.9	14843.0
					4148	-170224.1	535611.6	949651.6	-2.1	384736.5	-13019.9
					4048	316836.1	267093.2	-695485.5	-2.2	-272947.4	-6779.0
					4056	320538.8	1308007.0	-534138.9	0.0	-292016.1	29044.9
				MIN	4156	-319552.9	-267093.2	630818.3	0.0	184586.0	6190.5
					4148	-317822.0	-1308007.0	582548.6	-6.2	181537.8	-25026.3
					4048	169546.2	-1965459.6	-831720.1	-6.3	-558118.7	-16291.2
					4056	173774.4	-535611.6	-888260.5	0.0	-585392.0	15376.0
1993	3	4	env SL~1	MAX	4148	-252721.0	2464377.0	1844314.7	-2.1	636686.7	15226.6
					4140	-255483.3	299268.0	2347567.9	0.0	624619.3	-10613.4
					4040	501155.7	560739.1	-1473444.0	0.0	-430225.7	-7034.3
					4048	496182.5	824828.6	-1276799.7	-2.2	-447573.7	25015.7
				MIN	4148	-495631.1	-560739.1	1374222.5	-6.3	294642.4	6522.4
					4140	-501707.1	-824828.6	1456072.6	0.0	288822.1	-21325.2
					4040	255170.1	-2464377.0	-2103612.9	0.0	-905104.5	-16376.9
					4048	253034.1	-299268.0	-2000213.2	-6.3	-933826.4	12568.2
1994	3	4	env SL~1	MAX	4140	-177676.4	2219531.7	1978506.4	0.0	461702.6	13285.5
					4132	-182090.4	554623.2	2214285.1	0.0	456824.1	-10066.2
					4032	375313.4	321548.8	-1357170.3	0.0	-306814.9	-5875.9
					4040	365177.2	1039719.1	-1280429.9	0.0	-319552.4	23893.1
				MIN	4140	-364734.7	-321548.8	1337295.3	0.0	210319.6	5311.0
					4132	-375755.9	-1039719.1	1357717.6	0.0	207682.8	-20799.8
					4032	181785.3	-2219531.7	-1997984.2	0.0	-664987.7	-14782.7
					4040	177981.5	-554623.2	-2125863.3	0.0	-682406.4	12007.2
1995	3	4	env SL~1	MAX	4132	-157551.2	1896146.0	2240016.8	0.0	431162.3	12149.7
					4124	-160256.9	634814.4	2414855.7	0.0	425017.0	-8970.1
					4024	355597.8	254286.2	-1520307.9	0.0	-274709.2	-4890.8

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			4032	348304.3	1342583.5	-1426534.0	0.0	-289541.5	22849.0		
			MIN	4132	-347771.8	-254286.2	1498638.2	0.0	191817.2	4560.0	
				4124	-356130.3	-1342583.5	1510880.1	0.0	188369.7	-19706.8	
				4024	159894.2	-1896146.0	-2299460.9	0.0	-621584.3	-13371.1	
				4032	157913.9	-634814.4	-2286467.6	0.0	-642271.6	11008.4	
1996	3	4	env SL~1	MAX	4124	-147119.8	1496486.4	2506295.9	0.0	403579.4	11409.5
					4116	-160807.2	684054.6	2474137.4	0.0	402525.0	-8133.0
					4016	357250.7	209836.6	-1570624.1	0.0	-265691.1	-5161.9
					4024	338392.8	1729320.7	-1530911.4	0.0	-267589.7	21248.4
				MIN	4124	-338224.0	-209836.6	1605468.2	0.0	176846.8	4230.8
					4116	-357419.5	-1729320.7	1558743.7	0.0	178093.0	-18787.8
					4016	160794.2	-1496486.4	-2482087.3	0.0	-600773.3	-13261.3
					4024	147132.7	-684054.6	-2429402.0	0.0	-608224.6	9205.2
1997	3	4	env SL~1	MAX	4116	-159958.7	1420459.5	2148799.7	0.0	379397.8	10560.4
					4108	-172793.9	902105.7	1739245.3	-2.1	371397.3	-7870.2
					4008	352818.3	190.4	-1147407.6	-2.3	-261657.4	-4860.1
					4016	343036.2	1873947.1	-1358604.0	0.0	-267178.5	21046.5
				MIN	4116	-342466.5	-190.4	1365807.5	0.0	168889.5	4085.9
					4108	-353387.9	-1873947.1	1202880.5	-6.2	167227.1	-17862.2
					4008	172651.3	-1420459.5	-1742636.2	-6.3	-566552.5	-11689.8
					4016	160101.2	-902105.7	-2039390.2	0.0	-587258.3	9123.8
1998	3	4	env SL~1	MAX	4096	-546620.8	1925745.1	1193556.0	0.0	924080.8	30201.2
					4088	-568931.4	258309.6	1147368.3	0.0	924981.8	-20766.1
					3088	819306.1	530100.2	-802020.0	0.0	-779856.1	-18983.5
					3096	794815.4	1346309.7	-736817.5	0.0	-778048.9	43437.2
				MIN	4096	-794794.2	-530100.2	763506.9	0.0	455456.9	15428.8
					4088	-819318.1	-1346309.7	838007.0	0.0	456357.5	-38866.2
					3088	568985.1	-1925745.1	-1156348.4	0.0	-1380663.0	-35322.1
					3096	546567.1	-258309.6	-1115631.9	0.0	-1373882.3	24127.0
1999	3	4	env SL~1	MAX	4088	-571575.0	2035188.5	1155691.2	0.0	905948.9	29410.7
					4080	-583344.1	286961.2	1249940.8	0.0	902729.4	-20817.7
					3080	836243.0	503784.0	-855099.5	0.0	-777716.2	-18356.7
					3088	820892.3	1230697.7	-841856.5	0.0	-784805.9	44660.8
				MIN	4088	-820728.8	-503784.0	905691.1	0.0	446909.1	15037.3
					4080	-836590.6	-1230697.7	853941.2	0.0	446722.4	-38911.9
					3080	583199.7	-2035188.5	-1095437.8	0.0	-1375715.5	-33905.7
					3088	571719.4	-286961.2	-1226204.7	0.0	-1390012.2	24658.0

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2000	3	4	env SL~1	MAX	4080	-579194.7	1916499.6	1124126.2	0.0	881014.1	28888.3
					4072	-595839.9	367121.4	1211554.3	0.0	880017.3	-20511.3
					3072	859895.1	425344.1	-862861.4	0.0	-776867.5	-18485.2
					3080	833531.2	1354663.0	-771647.5	0.0	-779049.5	43637.8
				MIN	4080	-833540.0	-425344.1	894929.3	0.0	437145.0	14882.2
					4072	-860034.3	-1354663.0	802256.0	0.0	438231.0	-38144.6
					3072	595818.2	-1916499.6	-1086411.2	0.0	-1367257.9	-33879.4
					3080	579216.4	-367121.4	-1180846.5	0.0	-1373275.7	24192.7
2001	3	4	env SL~1	MAX	4072	-594449.4	1899293.2	1124762.6	0.0	859319.1	28308.8
					4064	-608507.0	462626.5	1210632.0	0.0	856861.8	-20340.3
					3064	885753.7	337197.7	-862238.6	0.0	-774635.5	-18201.6
					3072	860713.8	1378312.5	-752782.5	0.0	-779885.7	43484.2
				MIN	4072	-860467.3	-337197.7	890905.9	0.0	428924.5	14662.3
					4064	-886000.2	-1378312.5	782691.3	0.0	428884.6	-37626.3
					3064	608402.0	-1899293.2	-1093909.1	0.0	-1358857.1	-33277.7
					3072	594554.4	-462626.5	-1172541.6	0.0	-1368819.5	24258.3
2002	3	4	env SL~1	MAX	4064	-612332.8	1968669.5	1110250.1	0.0	840181.8	28119.6
					4056	-633195.8	547977.5	1181896.8	0.0	842833.0	-20252.5
					3056	932354.2	257799.5	-775527.3	0.0	-785942.1	-18770.5
					3064	895681.7	1317402.0	-731533.8	0.0	-782729.1	42708.0
				MIN	4064	-895800.6	-257799.5	834889.8	0.0	421999.2	14676.6
					4056	-932235.3	-1317402.0	750146.3	0.0	425303.3	-37256.2
					3056	633325.2	-1968669.5	-1073022.8	0.0	-1372545.8	-34000.2
					3064	612203.5	-547977.5	-1168049.0	0.0	-1369206.5	23879.9
2003	3	4	env SL~1	MAX	4056	-415293.9	1943962.7	808298.2	0.0	578786.0	23112.5
					4048	-394467.7	515825.4	923986.7	-2.2	565350.0	-20972.7
					3048	598292.6	281841.5	-664191.1	-2.3	-494930.0	-12386.3
					3056	624292.3	1328691.9	-512323.3	0.0	-539471.0	46362.4
				MIN	4056	-622055.9	-281841.5	628764.0	0.0	287696.6	11092.2
					4048	-600529.0	-1328691.9	554401.8	-6.3	277717.5	-38204.0
					3048	392796.6	-1943962.7	-801515.4	-6.2	-896345.4	-25440.1
					3056	416965.0	-515825.4	-872495.0	0.0	-955871.0	26623.8
2004	3	4	env SL~1	MAX	4048	-587383.1	2400563.4	1804129.3	-2.2	926574.0	23667.8
					4040	-581591.1	260504.9	2298233.0	0.0	910343.2	-16269.4
					3040	927321.2	599119.5	-1447697.9	0.0	-762251.4	-13086.9
					3048	925231.9	891859.7	-1232357.3	-2.3	-791171.9	37765.0
				MIN	4048	-924466.9	-599119.5	1329717.0	-6.3	442816.2	11438.2
					4040	-928086.2	-891859.7	1430389.6	0.0	433576.2	-31506.6
					3040	581075.3	-2400563.4	-2070079.0	0.0	-1434741.8	-26401.2

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				3048	587898.9	-260504.9	-1944859.7	-6.3	-1475112.3	20294.5		
2005	3	4	env SL~1 MAX	4040	-412652.6	2200837.7	1932641.3	0.0	677167.8	21136.4		
				4032	-410959.3	524396.9	2139499.5	0.0	671049.9	-15661.9		
				3032	700557.2	354627.5	-1325987.2	0.0	-540855.3	-11140.3		
				3040	687578.8	1065375.5	-1264718.9	0.0	-563199.8	36076.6		
			MIN	4040	-687017.5	-354627.5	1323484.3	0.0	316201.9	9578.9		
				4032	-701118.5	-1065375.5	1329898.1	0.0	310844.7	-30761.6		
				3032	410409.6	-2200837.7	-1931082.1	0.0	-1065007.4	-24426.8		
				3040	413202.3	-524396.9	-2072114.7	0.0	-1087172.3	19206.3		
2006	3	4	env SL~1 MAX	4032	-361185.9	1868545.8	2144952.3	0.0	636209.4	19481.2		
				4024	-354094.6	605859.0	2301981.0	0.0	626475.9	-14357.7		
				3024	663893.9	283945.7	-1474357.6	0.0	-474493.4	-9085.2		
				3032	659927.2	1379005.9	-1384256.7	0.0	-503163.4	34873.6		
			MIN	4032	-659096.2	-283945.7	1453806.2	0.0	285511.7	8167.5		
				4024	-664724.8	-1379005.9	1467484.4	0.0	277878.5	-29271.6		
				3024	353374.2	-1868545.8	-2197501.1	0.0	-998630.4	-22085.8		
				3032	361906.4	-605859.0	-2180488.2	0.0	-1030768.0	17874.2		
2007	3	4	env SL~1 MAX	4024	-337844.4	1478554.2	2426881.9	0.0	603333.0	19068.6		
				4016	-363466.8	667672.6	2418098.8	0.0	607650.6	-12899.1		
				3016	693666.9	227167.5	-1574116.0	0.0	-474397.5	-10679.1		
				3024	653696.9	1752291.4	-1514526.0	0.0	-465771.2	31929.7		
			MIN	4024	-653927.9	-227167.5	1583734.9	0.0	264420.4	8012.2		
				4016	-693435.9	-1752291.4	1567583.5	0.0	269572.2	-28170.0		
				3016	363740.2	-1478554.2	-2432764.3	0.0	-999327.0	-23661.5		
				3024	337570.9	-667672.6	-2343272.4	0.0	-992004.8	14883.2		
2008	3	4	env SL~1 MAX	4016	-375350.7	1476941.7	2103378.7	0.0	580380.9	17878.4		
				4008	-391343.0	940651.3	1690845.0	-2.3	566516.3	-13062.4		
				3008	684985.9	-39992.4	-1117159.8	-2.7	-481761.9	-10191.0		
				3016	682283.4	1820443.5	-1373271.6	0.0	-487233.9	33486.3		
			MIN	4016	-681272.8	39992.4	1361644.7	0.0	263297.4	8069.2		
				4008	-685996.4	-1820443.5	1191463.1	-6.3	261655.0	-27425.7		
				3008	391201.8	-1476941.7	-1683051.2	-6.6	-950858.3	-20293.7		
				3016	375491.9	-940651.3	-2013294.6	0.0	-987915.7	15666.2		
2009	3	4	env SL~1 MAX	3096	-1358877.7	1884631.1	1115631.9	0.0	1373882.3	49007.5		
				3088	-1398604.8	236376.2	1142850.3	0.0	1388099.9	-36600.2		
				1088	2031020.6	547819.8	-762142.4	-2.2	-1588467.0	-40061.9		
				1096	1987556.4	1385322.5	-711989.7	-0.3	-1570937.5	66785.4		

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				MIN	3096	-1987937.1	-547819.8	736817.5	0.0	778048.9	30663.1
					3088	-2030639.9	-1385322.5	799991.0	0.0	784313.6	-59220.4
					1088	1399076.9	-1884631.1	-1115072.4	-6.3	-2317333.8	-60980.3
					1096	1358405.5	-236376.2	-1037380.3	-4.8	-2269977.0	44295.7
2010	3	4	env SL~1	MAX	3088	-1422429.1	2017423.6	1144291.8	0.0	1382575.2	49079.0
					3080	-1439483.0	274861.3	1193432.2	0.0	1381813.2	-37278.3
					1080	2079452.6	513267.6	-788420.4	-1.9	-1607110.0	-39332.6
					1088	2055794.5	1250172.0	-787387.0	-2.2	-1611922.3	71756.4
				MIN	3088	-2055761.3	-513267.6	843885.6	0.0	780348.5	30605.0
					3080	-2079485.8	-1250172.0	794598.2	0.0	781159.8	-60872.5
					1080	1439403.6	-2017423.6	-1076872.8	-5.9	-2368069.5	-59379.3
					1088	1422508.5	-274861.3	-1181687.8	-6.3	-2375461.3	46292.3
2011	3	4	env SL~1	MAX	3080	-1451293.5	1895446.9	1079916.2	0.0	1367178.0	49455.8
					3072	-1481079.0	346509.7	1164123.1	0.0	1373940.6	-37254.8
					1072	2144943.8	443259.8	-807870.0	-2.0	-1631930.9	-40503.6
					1080	2102675.1	1378127.4	-714601.3	-1.9	-1622822.7	70971.8
				MIN	3080	-2103142.0	-443259.8	832148.8	0.0	775605.9	30901.9
					3072	-2144476.9	-1378127.4	752998.8	0.0	780815.3	-60716.9
					1072	1481363.2	-1895446.9	-1060229.1	-5.9	-2413462.3	-61353.5
					1080	1451009.4	-346509.7	-1122549.2	-5.9	-2397274.7	45831.6
2012	3	4	env SL~1	MAX	3072	-1498011.8	1877737.0	1099029.1	0.0	1362136.8	49715.8
					3064	-1519304.5	444079.0	1176794.1	0.0	1363662.2	-37536.9
					1064	2213127.5	353704.9	-831510.9	-2.1	-1649721.2	-40394.8
					1072	2179514.7	1401807.0	-713658.4	-2.0	-1650943.9	72677.0
				MIN	3072	-2179699.5	-353704.9	862645.1	0.0	775937.9	31040.9
					3064	-2212942.7	-1401807.0	745200.5	0.0	777198.2	-61155.3
					1064	1519305.3	-1877737.0	-1067853.4	-6.0	-2454640.2	-61537.0
					1072	1498011.1	-444079.0	-1137512.2	-5.9	-2451983.2	46888.1
2013	3	4	env SL~1	MAX	3064	-1554449.0	1950517.6	1090558.1	0.0	1364401.4	51228.8
					3056	-1598994.3	531442.2	1170697.2	0.0	1382478.2	-38085.8
					1056	2342917.2	272978.0	-788608.1	-2.2	-1713185.7	-43157.4
					1064	2275725.9	1336407.6	-703326.9	-2.1	-1685852.2	72278.0
				MIN	3064	-2276967.8	-272978.0	842257.4	0.0	780166.4	31963.1
					3056	-2341675.2	-1336407.6	728780.2	0.0	792502.2	-62046.7
					1056	1599781.5	-1950517.6	-1054001.7	-6.2	-2567688.5	-66067.7
					1064	1553661.8	-531442.2	-1146871.0	-6.0	-2521399.6	46440.4
2014	3	4	env SL~1	MAX	3056	-1055040.6	1922705.2	779436.5	0.0	945938.6	40126.6
					3048	-981147.1	496741.7	879957.4	-2.3	908091.0	-40157.2

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				1048	1466262.0	295169.7	-616258.7	-2.3	-1049825.1	-26238.8
				1056	1574817.1	1350806.2	-484978.1	-2.2	-1165149.1	84066.7
			MIN	3056	-1569022.3	-295169.7	603649.5	0.0	532910.9	23319.2
				3048	-1472056.8	-1350806.2	511001.4	-6.2	502771.3	-65209.4
				1048	976688.5	-1922705.2	-756615.9	-6.1	-1629110.6	-44236.4
				1056	1059499.2	-496741.7	-848461.5	-6.3	-1775801.4	54701.7
2015	3	4	env SL~1 MAX	3048	-1457690.3	2325818.1	1734819.2	-2.3	1463348.2	41032.9
				3040	-1428303.9	211136.6	2247399.1	0.0	1440810.2	-29332.5
				1040	2104103.8	649835.9	-1418648.7	-1.9	-1582565.1	-28359.0
				1048	2175234.2	971853.7	-1162831.8	-2.3	-1638301.0	63200.7
			MIN	3048	-2172788.3	-649835.9	1261273.6	-6.3	783344.1	23629.2
				3040	-2105610.2	-971853.7	1400258.3	0.0	766050.4	-51070.4
				1040	1427316.7	-2325818.1	-2036151.7	-6.1	-2560701.1	-47991.3
				1048	1458677.4	-211136.6	-1861807.1	-6.2	-2621210.5	38610.4
2016	3	4	env SL~1 MAX	3040	-1024969.3	2180899.5	1899553.5	0.0	1081103.9	37669.1
				3032	-1004091.6	494870.5	2067586.4	0.0	1073338.3	-27839.7
				1032	1492472.9	388333.0	-1296999.1	-1.8	-1117113.9	-24402.8
				1040	1483215.9	1092747.1	-1257719.7	-1.8	-1163988.5	60432.1
			MIN	3040	-1480714.9	-388333.0	1312158.6	0.0	559400.8	20251.7
				3032	-1493198.0	-1092747.1	1305236.6	0.0	546537.2	-49920.3
				1032	1002906.1	-2180899.5	-1867634.5	-5.8	-1922722.7	-45565.2
				1040	1026154.8	-494870.5	-2030561.4	-6.0	-1951496.9	36267.2
2017	3	4	env SL~1 MAX	3032	-887415.5	1836199.3	2043983.9	0.0	1022437.1	34916.7
				3024	-850322.5	575052.6	2181356.0	0.0	1004230.4	-25017.6
				1024	1409166.5	315829.6	-1423787.2	-2.0	-958271.0	-19432.0
				1032	1420920.1	1421398.7	-1338109.1	-1.8	-1023784.0	59223.3
			MIN	3032	-1419398.1	-315829.6	1405007.3	0.0	497481.5	17083.0
				3024	-1410688.4	-1421398.7	1419565.4	0.0	478133.5	-47706.1
				1024	848638.5	-1836199.3	-2089582.9	-5.9	-1803635.9	-40943.8
				1032	889099.5	-575052.6	-2066813.1	-5.8	-1862123.4	33441.3
2018	3	4	env SL~1 MAX	3024	-829451.4	1445823.6	2359417.5	0.0	986404.9	35866.4
				3016	-886689.4	641340.4	2384882.1	0.0	1007965.5	-23306.1
				1016	1522710.1	255035.7	-1595838.0	-2.2	-987606.6	-24894.3
				1024	1427514.8	1788513.1	-1503483.4	-2.0	-946858.0	52803.4
			MIN	3024	-1429070.1	-255035.7	1569318.2	0.0	462131.1	17534.1
				3016	-1521154.8	-1788513.1	1592679.5	0.0	478401.9	-46464.0
				1016	887820.9	-1445823.6	-2410941.6	-6.1	-1879927.6	-47816.1
				1024	828319.9	-641340.4	-2264414.0	-5.9	-1823114.8	26584.6

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2019 3 4 env SL~1 MAX 3016 -936501.5 1533543.5 2061176.8 0.0 979277.2 33983.0
3008 -957243.9 988265.1 1617916.0 -2.7 950825.6 -24529.9
1008 1497918.3 -89229.7 -1055610.7 -3.9 -1028674.2 -23855.3
1016 1524563.0 1768658.3 -1387769.3 -2.2 -1033111.1 59950.2

MIN 3016 -1522428.4 89229.7 1354708.1 0.0 483229.5 18196.8
3008 -1500052.9 -1768658.3 1151348.2 -6.6 481761.6 -46731.7
1008 957126.7 -1533543.5 -1590409.9 -7.9 -1800754.0 -39501.4
1016 936618.6 -988265.1 -1990261.9 -6.1 -1879869.3 30611.1

2020 3 5 env SL~1 MAX 5089 8452257.5 1722251.4 1614687.0 -3.6 -2194676.0 2.0
5081 5686864.7 2270911.7 1833453.7 -1.4 -2464158.7 85888.9
4981 3167018.1 6890087.4 -1069681.5 0.0 6161550.6 404143.2
4989 3836264.3 9599879.7 1157448.9 0.0 6862440.8 -44341.3

MIN 5089 -3833430.9 -7172790.5 1257985.5 -7.5 -3240224.6 0.8
5081 -3169851.5 -9317176.7 170986.0 -5.4 -3275201.0 68070.8
4981 -5804178.9 -1654861.0 -2872242.1 0.0 1174742.3 50273.7
4989 -8334943.4 -2338302.1 -2078465.0 0.0 1019730.3 -123611.7

2021 3 5 env SL~1 MAX 5081 4110594.5 403045.5 2657437.8 -1.4 -2720926.0 -68066.5
5073 4410660.2 1231816.9 1546994.4 -1.8 -2661699.4 106426.7
4973 2796254.5 2340931.7 -1160341.6 0.0 5283252.7 155716.6
4981 2749029.7 5594827.0 -1151634.5 0.0 5212261.5 -57450.1

MIN 5081 -2747029.9 -2321907.6 1169726.9 -5.4 -3294752.9 -85885.5
5073 -2798254.3 -5613851.0 965657.9 -5.4 -3230433.7 75508.7
4973 -4416981.2 -410190.6 -2294118.2 0.0 1330197.1 64617.1
4981 -4104273.5 -1224584.3 -1485975.3 0.0 1363237.0 -167750.5

2022 3 5 env SL~1 MAX 5073 4877964.3 177197.5 1988127.8 -1.8 -2514572.8 -75503.7
5065 5197950.1 917370.2 1481423.4 -1.7 -2465533.1 114288.4
4965 2910932.6 1262318.6 -1176929.8 0.0 5532506.0 129523.7
4973 2862195.4 4376965.7 -907370.8 0.0 5470117.0 -54672.7

MIN 5073 -2860324.1 -1322584.0 1216991.6 -5.4 -3110922.0 -106421.9
5065 -2912803.9 -4316938.7 938198.6 -5.3 -3063603.8 74791.2
4965 -5189397.7 -162888.1 -1990493.3 0.0 1252755.4 62097.5
4973 -4886516.7 -931646.7 -1451064.0 0.0 1267456.4 -168134.9

2023 3 5 env SL~1 MAX 5065 5536956.6 95377.5 1726617.2 -1.7 -2387769.4 -74786.3
5057 5733394.8 599825.3 1440984.0 -1.7 -2363637.2 117182.8
4957 2972988.6 481646.9 -1058752.4 0.0 5780231.2 136560.1
4965 2957835.3 3140061.1 -904719.0 0.0 5719292.0 -56570.2

MIN 5065 -2957269.9 -484935.2 1120655.6 -5.3 -3034428.8 -114283.5
5057 -2973554.0 -3135792.6 905492.1 -5.3 -3037089.3 75210.4

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			4957	-5726894.6	-99645.0	-1672216.1	0.0	1215734.1	58267.1
			4965	-5543456.9	-600035.9	-1409927.9	0.0	1222409.3	-162920.1
2024	3	5 env SL~1 MAX	5057	5983728.1	592129.6	1664650.2	-1.7	-2278926.8	-75205.5
			5049	6171575.8	476842.1	1494207.7	-1.6	-2234662.4	119395.6
			4949	3033022.5	322206.7	-987783.4	0.0	5985855.4	141637.0
			4957	3007711.6	2594964.4	-865680.6	0.0	5937624.3	-55262.1
		MIN	5057	-3006761.1	-327487.9	1027978.8	-5.3	-3049003.5	-117177.9
			5049	-3033973.0	-2575782.9	888161.5	-5.1	-3058009.4	76156.4
			4949	-6165909.7	-611803.3	-1662720.6	0.0	1193486.0	57776.9
			4957	-5989394.2	-480218.2	-1419735.4	0.0	1199252.2	-164255.1
2025	3	5 env SL~1 MAX	5049	4636366.6	1152268.4	1173161.5	-1.6	-1536884.2	-76151.3
			5041	4747889.7	360038.9	1027367.7	-1.5	-1485117.6	113826.3
			4941	2172798.1	454881.9	-649743.0	0.0	4389539.3	148445.8
			4949	2183502.3	2091272.7	-572554.5	0.0	4387587.4	-51368.1
		MIN	5049	-2182329.9	-457616.7	698020.3	-5.2	-2188234.3	-119390.6
			5041	-2173970.6	-2089792.9	569578.5	-5.0	-2154925.6	71899.7
			4941	-4741266.7	-1153430.7	-1108587.6	0.0	821956.8	58630.9
			4949	-4642989.5	-357821.6	-1037124.2	0.0	836302.6	-160004.7
2026	3	5 env SL~1 MAX	5041	8750857.7	1468210.0	1679396.7	-1.5	-2387578.2	-71894.6
			5033	8966126.1	154216.3	1533047.7	-1.7	-2227698.0	105698.0
			4933	3643256.4	631902.7	-854929.8	0.0	7737507.3	149913.6
			4941	3708129.1	1748450.0	-900079.8	0.0	7756178.6	-50401.7
		MIN	5041	-3709353.4	-625856.1	987377.0	-5.1	-3654754.6	-113821.3
			5033	-3642116.8	-1730672.2	847684.0	-5.3	-3547468.1	63566.0
			4933	-8963562.3	-1485450.9	-1522449.2	0.0	1306633.2	52984.0
			4941	-8753353.6	-160799.7	-1602325.6	0.0	1358027.4	-153410.7
2027	3	5 env SL~1 MAX	5033	7192506.9	2355068.0	1205172.5	-1.7	-1581217.7	-63562.5
			5025	7182261.6	104105.2	1302846.4	-1.7	-1534164.2	104828.7
			4925	2761795.9	685631.5	-524357.7	0.0	6017120.7	151787.7
			4933	2775915.3	901581.5	-580725.2	0.0	6027439.8	-50550.0
		MIN	5033	-2776230.0	-682292.9	562756.0	-5.1	-2697142.1	-105693.1
			5025	-2761481.2	-896220.9	605003.3	-5.2	-2698480.8	60268.9
			4925	-7183636.9	-2360349.2	-1203022.9	0.0	986062.0	48032.4
			4933	-7191131.7	-107520.4	-1225009.0	0.0	982980.7	-145628.7
2028	3	5 env SL~1 MAX	5025	7082354.4	3710580.7	1292012.4	-1.7	-1465952.2	-60265.3
			5017	6908082.4	704506.3	1579829.1	-1.8	-1433310.7	97557.1
			4917	2641340.7	1031133.6	-358352.3	0.0	5923183.9	162320.9
			4925	2705058.4	275810.9	-617797.4	0.0	5949859.7	-53107.1

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			MIN	5025	-2707353.2	-1015869.0	445060.6	-5.2	-2679615.9	-104823.9
				5017	-2639045.8	-291075.5	593765.5	-5.4	-2663400.9	54801.8
				4917	-6913003.9	-3772431.6	-1243070.5	0.0	1012828.6	44551.6
				4925	-7077432.9	-642486.3	-1601244.5	0.0	1006141.7	-137151.6
2029	3	5 env SL~1 MAX	5017	6644559.4	5189599.3	1306410.8	-1.8	-1385975.1	-54798.2	
			5009	6450104.4	1875282.5	2228630.1	-1.7	-1352623.8	68477.1	
			4909	2479024.8	1312543.4	-469541.1	0.0	5741968.0	166866.9	
			4917	2540887.9	522791.9	-679539.5	0.0	5800736.9	-51852.6	
			MIN	5017	-2542584.3	-1315705.9	357336.0	-5.4	-2633410.2	-97552.2
				5009	-2477328.3	-519629.4	843168.2	-5.5	-2623618.5	39413.3
				4909	-6442467.7	-5170615.0	-1239146.1	0.0	1065600.2	46318.0
				4917	-6652196.1	-1894266.8	-1877676.2	0.0	1049190.7	-158471.8
2030	3	5 env SL~1 MAX	5009	8182483.6	9289818.8	1500298.8	-1.7	-1173443.5	-39409.5	
			5001	1.10e+007	7146148.4	1090948.1	-0.3	-1022406.2	3.8	
			4901	3483670.6	2324865.0	1713612.2	0.0	7381552.0	106896.4	
			4909	2846700.5	1666685.8	-704049.7	0.0	6690741.2	-27783.7	
			MIN	5009	-2845412.2	-2256579.8	-297134.6	-5.5	-2687679.4	-68472.2
				5001	-3484958.8	-1734971.0	182996.4	-4.7	-2704806.0	2.3
				4901	-1.09e+007	-9580874.6	-1680397.6	0.0	653445.4	40698.1
				4909	-8295040.6	-6855092.5	-2427672.8	0.0	831375.9	-395146.9
2031	3	5 env SL~1 MAX	4989	-1049628.6	3212264.4	2078465.0	0.0	-1019730.3	-17842.9	
			4981	-1214522.3	-11156.4	1507190.9	0.0	-1196759.5	117102.0	
			4881	6491446.2	922728.8	-886993.0	0.0	2361783.2	132116.1	
			4889	7200553.7	220968.3	695356.8	0.0	2628559.4	-23849.2	
			MIN	4989	-7221814.4	-922728.8	-1157448.9	-0.0	-6862440.8	-212902.6
				4981	-6470185.5	-220968.3	1225375.8	-0.0	-6057851.8	39295.0
				4881	1209856.6	-3212264.4	-1565258.6	0.0	481625.5	19240.1
				4889	1054294.2	11156.4	-1880142.8	0.0	423543.6	-113024.6
2032	3	5 env SL~1 MAX	4981	-1384530.8	1474558.8	2715783.8	0.0	-1341219.9	-34910.9	
			4973	-1364896.0	80357.5	1949389.9	0.0	-1320608.2	134941.8	
			4873	5616136.2	723618.5	-1220446.6	0.0	2072045.1	102774.1	
			4881	5611285.4	1727368.8	-983431.2	0.0	2063203.3	-26063.7	
			MIN	4981	-5610993.3	-723618.5	1118533.9	-0.0	-5315960.4	-137047.9
				4973	-5616428.2	-1727368.8	1154485.0	-0.0	-5321836.3	33519.0
				4873	1365487.5	-1474558.8	-1956679.0	0.0	530127.4	25321.8
				4881	1383939.3	-80357.5	-2639550.7	0.0	539324.3	-99614.4
2033	3	5 env SL~1 MAX	4973	-1320117.1	1533929.8	1459706.5	0.0	-1277045.4	-33469.5	

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			4965	-1294905.0	17286.5	1524211.2	0.0	-1252944.2	145284.5
			4865	5839445.0	815577.0	-1087898.7	0.0	2150515.5	104386.4
			4873	5734375.9	1741646.6	-931901.0	0.0	2115815.2	-24627.6
		MIN	4973	-5731575.2	-815577.0	1085318.0	-0.0	-5431533.4	-135209.1
			4965	-5842245.8	-1741646.6	997158.1	-0.0	-5537968.6	31560.1
			4865	1295555.4	-1533929.8	-1525102.1	0.0	503391.2	24190.8
			4873	1319466.7	-17286.5	-1324141.8	0.0	512064.8	-104358.6
2034	3	5 env SL~1 MAX	4965	-1262829.1	1304717.9	1669118.5	0.0	-1222220.4	-31273.9
			4957	-1254535.8	18952.7	1460483.2	0.0	-1215251.2	150289.3
			4857	6122493.9	824484.4	-1042899.7	0.0	2241934.5	109698.8
			4865	6045514.5	1976898.8	-920790.4	0.0	2215559.9	-23962.9
		MIN	4965	-6043460.3	-824484.4	1126111.8	-0.0	-5713829.4	-143709.8
			4957	-6124548.1	-1976898.8	900254.6	-0.0	-5790969.9	31390.2
			4857	1254744.0	-1304717.9	-1536701.5	0.0	487987.4	23095.5
			4865	1262620.9	-18952.7	-1523956.1	0.0	491510.4	-108868.2
2035	3	5 env SL~1 MAX	4957	-1240440.9	1238015.2	1522369.2	0.0	-1199735.2	-30735.0
			4949	-1231113.2	-13272.2	1434396.1	0.0	-1191930.2	154709.6
			4849	6343762.3	850770.2	-984938.9	0.0	2314321.8	113656.0
			4857	6279131.8	2038728.0	-791953.8	0.0	2292269.9	-23490.2
		MIN	4957	-6277432.5	-850770.2	1024178.3	-0.0	-5926885.7	-149717.0
			4949	-6345461.7	-2038728.0	815390.8	-0.0	-5990465.5	30742.2
			4849	1231339.9	-1238015.2	-1530534.6	0.0	478301.9	22665.3
			4857	1240214.2	13272.2	-1357286.8	0.0	481921.8	-112518.6
2036	3	5 env SL~1 MAX	4949	-864307.6	1242797.2	1166855.6	0.0	-837858.5	-30764.8
			4941	-845833.9	35289.6	963638.3	0.0	-818588.7	154373.5
			4841	4656250.4	775507.4	-699744.9	0.0	1695167.3	116186.7
			4849	4644694.0	2011483.5	-496241.8	0.0	1691373.7	-21853.3
		MIN	4949	-4644351.4	-775507.4	744947.1	-0.0	-4382977.3	-155626.6
			4941	-4656593.0	-2011483.5	496341.0	-0.0	-4390360.7	28158.6
			4841	846622.8	-1242797.2	-1109009.2	0.0	329759.5	22402.4
			4849	863518.6	-35289.6	-971653.2	0.0	336230.7	-114040.3
2037	3	5 env SL~1 MAX	4941	-1400928.1	974198.6	1747274.9	0.0	-1361395.6	-28720.4
			4933	-1344249.8	-165549.1	1456388.6	0.0	-1306274.7	152908.3
			4833	8207012.8	1035583.4	-923118.2	0.0	2985007.9	116086.4
			4841	8219600.6	2362562.5	-783453.4	0.0	2990768.3	-20709.3
		MIN	4941	-8219964.9	-1035583.4	1053481.8	-0.0	-7755357.2	-156790.5
			4933	-8206648.5	-2362562.5	733141.1	-0.0	-7734165.9	25024.4
			4833	1345268.6	-974198.6	-1581885.8	0.0	528751.0	19711.2
			4841	1399909.3	165549.1	-1533721.3	0.0	549003.8	-113882.7

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2038	3	5 env SL~1 MAX	4933	-1011694.9	1266261.8	1290682.7	0.0	-983339.1	-24679.4
			4925	-1013484.6	129868.4	1284048.3	0.0	-987098.4	151801.7
			4825	6386623.0	749119.1	-685450.1	0.0	2322022.0	115650.5
			4833	6392226.9	2085939.4	-474288.6	0.0	2324730.2	-19624.2
		MIN	4933	-6392553.0	-749119.1	702513.9	-0.0	-6030781.1	-155848.2
			4925	-6386296.8	-2085939.4	519901.1	-0.0	-6017055.0	26038.9
			4825	1013408.4	-1266261.8	-1372483.7	0.0	398800.6	18539.5
			4833	1011771.1	-129868.4	-1133303.3	0.0	398720.4	-112780.5
2039	3	5 env SL~1 MAX	4925	-1038832.8	1148361.2	1350681.1	0.0	-1005105.3	-24576.3
			4917	-1054275.1	215279.2	1141642.8	0.0	-1022485.2	146217.6
			4817	6248085.5	652043.4	-497921.2	0.0	2275971.0	114309.3
			4825	6299733.3	2196858.2	-415816.3	0.0	2293573.0	-20302.2
		MIN	4925	-6301333.4	-652043.4	622254.1	-0.0	-5949925.4	-156088.6
			4917	-6246485.4	-2196858.2	354159.7	-0.0	-5886897.1	27556.2
			4817	1053850.3	-1148361.2	-1170770.2	0.0	409679.2	18854.6
			4825	1039257.6	-215279.2	-1154960.9	0.0	405652.9	-110210.2
2040	3	5 env SL~1 MAX	4917	-1076609.9	1265928.1	1714032.8	0.0	-1039534.1	-26173.6
			4909	-1075828.5	228784.9	2330111.9	0.0	-1042179.2	148328.6
			4809	6208501.2	598694.0	-800222.9	0.0	2248375.4	111537.5
			4817	6190103.9	1994262.7	-543574.0	0.0	2249956.2	-20532.9
		MIN	4917	-6190033.2	-598694.0	683732.0	-0.0	-5837023.7	-149840.9
			4909	-6208571.9	-1994262.7	767216.0	-0.0	-5842166.8	27329.0
			4809	1075759.5	-1265928.1	-2408060.5	0.0	417961.6	19626.3
			4817	1076678.9	-228784.9	-1567140.2	0.0	417131.1	-109770.3
2041	3	5 env SL~1 MAX	4909	-863579.7	-130305.0	1179161.5	0.0	-854796.8	-30691.1
			4901	-671447.5	640402.0	1680397.6	0.0	-653445.4	222902.4
			4801	7800934.4	276691.5	1161319.0	0.0	2806490.4	125070.1
			4809	7088002.9	3503833.8	-135292.8	0.0	2542427.8	-13105.3
		MIN	4909	-7067065.5	-276691.5	390787.7	-0.0	-6590542.4	-133456.5
			4901	-7821871.8	-3503833.8	-1713612.2	-0.0	-7381552.0	8210.7
			4801	676791.8	130305.0	-1570582.2	0.0	275624.6	16294.0
			4809	858235.4	-640402.0	-1220032.9	0.0	343581.1	-138989.1
2042	3	5 env SL~1 MAX	4889	-513270.2	2803458.0	1880142.8	0.0	-423543.6	-7071.5
			4881	-568258.0	-50789.9	1388520.3	0.0	-485479.4	45878.6
			4781	2529310.1	869702.6	-824896.2	0.0	910818.8	51422.8
			4789	2777424.1	514231.5	361980.7	0.0	1003397.9	-9059.4
		MIN	4889	-2784895.8	-869702.6	-695356.8	-0.0	-2628559.4	-81220.6

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				4881	-2521838.4	-514231.5	1083123.2	-0.0	-2344929.5	15372.1	
				4781	566616.6	-2803458.0	-1501963.1	0.0	150886.8	6665.6	
				4789	514911.6	50789.9	-1697755.9	0.0	130283.6	-42906.0	
2043	3	5	env SL~1	MAX	4881	-626586.1	1564841.0	2300686.0	0.0	-535470.4	-13002.3
					4873	-617798.7	25566.4	1827197.1	0.0	-529279.0	51607.0
					4773	2207043.4	780075.2	-1205107.7	0.0	806228.5	41095.9
					4781	2209340.3	1653902.7	-1004191.0	0.0	803117.5	-9913.5
				MIN	4881	-2209374.9	-780075.2	1158031.0	-0.0	-2080057.0	-54740.1
					4873	-2207018.8	-1653902.7	1120211.7	-0.0	-2075810.6	13463.4
					4773	617977.8	-1564841.0	-1807662.9	0.0	170458.7	8820.8
					4781	626415.1	-25566.4	-2251276.2	0.0	173288.2	-37982.0
2044	3	5	env SL~1	MAX	4873	-600369.1	1474588.0	1453623.8	0.0	-512913.2	-12595.8
					4865	-587506.3	-10460.5	1473553.6	0.0	-503880.3	55562.6
					4765	2279964.1	841389.7	-1067285.9	0.0	834256.3	41492.6
					4773	2239631.8	1802159.2	-888024.7	0.0	819862.4	-9441.3
				MIN	4873	-2238583.0	-841389.7	1095425.6	-0.0	-2112049.7	-53526.7
					4865	-2281012.9	-1802159.2	922561.4	-0.0	-2150509.5	12690.6
					4765	587747.6	-1474588.0	-1493477.1	0.0	162845.5	8478.7
					4773	600127.8	10460.5	-1364756.2	0.0	165970.1	-39665.2
2045	3	5	env SL~1	MAX	4865	-573305.3	1288140.1	1575504.7	0.0	-491021.4	-11758.6
					4857	-566903.0	-18615.1	1399572.1	0.0	-488545.0	57352.3
					4757	2379406.3	861847.8	-1017321.7	0.0	868263.8	43440.4
					4765	2350190.7	2000229.2	-830897.2	0.0	857312.6	-9223.3
				MIN	4865	-2349441.4	-861847.8	1086127.7	-0.0	-2215565.8	-56665.4
					4857	-2380155.6	-2000229.2	824767.5	-0.0	-2242329.4	12628.0
					4757	566974.8	-1288140.1	-1482035.2	0.0	159026.5	8094.8
					4765	573233.5	18615.1	-1424097.6	0.0	160169.3	-41341.0
2046	3	5	env SL~1	MAX	4857	-559412.9	1198369.7	1494416.2	0.0	-481364.1	-11558.2
					4849	-552478.6	-52022.0	1375731.0	0.0	-478415.5	58949.9
					4749	2455219.7	888704.5	-966205.7	0.0	894897.8	44850.4
					4757	2430519.6	2083383.5	-725732.2	0.0	885510.2	-9071.9
				MIN	4857	-2429899.3	-888704.5	1010086.0	-0.0	-2291875.0	-58781.1
					4849	-2455839.9	-2083383.5	744528.4	-0.0	-2313698.0	12368.5
					4749	552561.7	-1198369.7	-1485364.2	0.0	157286.3	7962.0
					4757	559329.8	52022.0	-1315839.0	0.0	158522.7	-42687.4
2047	3	5	env SL~1	MAX	4849	-388812.7	1227042.1	1126456.8	0.0	-336117.1	-11491.1
					4841	-379875.0	18198.3	921774.9	0.0	-329400.2	58737.7
					4741	1797996.1	793990.4	-693869.6	0.0	655707.2	45881.1

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				4749	1792249.9	2036399.7	-437791.8	0.0	652845.5	-8555.2	
				MIN	4849	-1792120.1	-793990.4	736652.3	-0.0	-1691997.5	-60969.8
					4841	-1798125.9	-2036399.7	440310.4	-0.0	-1693659.0	11482.9
					4741	380157.9	-1227042.1	-1074764.8	0.0	108902.9	7825.8
					4749	388529.8	-18198.3	-923635.4	0.0	111416.1	-43171.9
2048	3	5	env SL~1 MAX	4841	-634471.2	944740.5	1720955.5	0.0	-549363.0	-10853.5	
					4833	-609177.5	-196566.9	1447434.6	0.0	-529120.7	58391.4
					4733	3162930.9	1072585.5	-926465.7	0.0	1156261.0	45608.1
					4741	3166924.2	2402257.4	-723365.1	0.0	1156415.8	-8049.4
				MIN	4841	-3167052.9	-1072585.5	1042887.9	-0.0	-2992276.7	-61133.0
					4833	-3162802.2	-2402257.4	686994.2	-0.0	-2983104.7	10224.8
					4733	609543.3	-944740.5	-1579920.1	0.0	175692.0	6992.7
					4741	634105.4	196566.9	-1500413.5	0.0	182511.8	-43326.4
2049	3	5	env SL~1 MAX	4833	-459167.2	1213024.5	1267754.4	0.0	-398350.8	-9322.9	
					4825	-456282.4	95234.4	1198978.8	0.0	-399604.0	57879.7
					4725	2457383.5	789731.5	-680556.3	0.0	900714.2	45594.9
					4733	2458226.5	2149292.5	-428891.6	0.0	900332.0	-7739.2
				MIN	4833	-2458341.9	-789731.5	710412.5	-0.0	-2326633.5	-60952.4
					4825	-2457268.0	-2149292.5	461711.7	-0.0	-2320366.9	10625.2
					4725	456255.5	-1213024.5	-1304765.9	0.0	133928.9	6533.9
					4733	459194.1	-95234.4	-1093023.2	0.0	133828.1	-42851.4
2050	3	5	env SL~1 MAX	4825	-463384.9	1139209.1	1328465.9	0.0	-404849.5	-9256.9	
					4817	-465828.9	176429.7	1088333.9	0.0	-411482.3	55754.9
					4717	2400727.9	694267.9	-551413.4	0.0	884257.1	45053.3
					4725	2419025.4	2210449.1	-385155.8	0.0	889624.7	-8017.3
				MIN	4825	-2419630.7	-694267.9	639554.7	-0.0	-2295228.1	-60979.5
					4817	-2400122.6	-2210449.1	359690.9	-0.0	-2270094.2	11196.0
					4717	465663.5	-1139209.1	-1201419.9	0.0	139934.1	6675.2
					4725	463550.3	-176429.7	-1130461.5	0.0	138228.0	-41907.3
2051	3	5	env SL~1 MAX	4817	-470724.8	1118374.1	1623709.5	0.0	-415328.1	-9878.3	
					4809	-465917.3	217726.8	1920061.5	0.0	-415055.9	56993.5
					4709	2390064.9	613360.1	-822714.8	0.0	879153.0	44094.6
					4717	2378010.8	2162830.0	-474621.9	0.0	876509.1	-8077.4
				MIN	4817	-2377849.1	-613360.1	681804.3	-0.0	-2255833.1	-58499.4
					4809	-2390226.7	-2162830.0	678208.7	-0.0	-2261339.5	10978.7
					4709	465923.7	-1118374.1	-2047554.1	0.0	143930.7	6963.6
					4717	470718.4	-217726.8	-1427272.9	0.0	143981.4	-41922.6

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2052	3	5 env SL~1 MAX	4809	-387398.8	202765.7	1197936.5	0.0	-346486.8	-11352.4
			4801	-316048.4	528679.2	1570582.2	0.0	-275624.6	83132.3
			4701	2952738.2	295027.3	716603.6	0.0	1077981.3	48946.4
			4709	2699831.8	3160996.0	-119018.2	0.0	984192.8	-5444.5
		MIN	4809	-2692473.1	-295027.3	379049.3	-0.0	-2529463.7	-53169.3
			4801	-2960096.8	-3160996.0	-1161319.0	-0.0	-2806490.4	4244.2
			4701	317923.2	-202765.7	-1495763.4	0.0	95543.6	5790.6
			4709	385524.0	-528679.2	-1203811.4	0.0	119154.6	-52339.2
2053	3	5 env SL~1 MAX	4789	-273979.7	2513814.4	1697755.9	0.0	-130283.6	-952.1
			4781	-290837.2	1269.4	1332750.5	0.0	-152836.7	16781.9
			4681	1041724.6	811730.8	-780379.7	0.0	312218.5	19723.3
			4689	1126602.5	798179.9	120173.8	0.0	343046.0	-1741.4
		MIN	4789	-1129196.4	-811730.8	-361980.7	0.0	-1003397.9	-31108.8
			4781	-1039130.8	-798179.9	959067.0	0.0	-903235.1	4606.1
			4681	290226.5	-2513814.4	-1428412.7	0.0	-19218.5	274.2
			4689	274590.4	-1269.4	-1533149.7	0.0	-27470.0	-14754.9
2054	3	5 env SL~1 MAX	4781	-309717.4	1635234.2	1986198.9	0.0	-171338.3	-3084.7
			4773	-304956.6	11155.2	1710306.8	0.0	-170606.4	18665.5
			4673	921975.3	798097.2	-1145302.1	0.0	277179.9	16200.4
			4681	923367.3	1601950.4	-1013087.0	0.0	274280.7	-2172.4
		MIN	4781	-923389.3	-798097.2	1172339.1	0.0	-810701.3	-21957.0
			4773	-921953.3	-1601950.4	1032276.7	0.0	-806292.4	4059.4
			4673	304968.2	-1635234.2	-1670765.4	0.0	-7900.5	1128.2
			4681	309705.8	-11155.2	-1956796.4	0.0	-8005.0	-12988.7
2055	3	5 env SL~1 MAX	4773	-297369.8	1455056.9	1462112.3	0.0	-165822.4	-3069.6
			4765	-290795.5	-9926.9	1421738.2	0.0	-163479.0	20245.8
			4665	943133.5	839939.1	-1030789.2	0.0	290181.6	16354.7
			4673	927246.1	1825889.7	-839042.1	0.0	282630.1	-2105.4
		MIN	4773	-926824.7	-839939.1	1075215.9	0.0	-819798.5	-21391.6
			4765	-943554.9	-1825889.7	857291.7	0.0	-833007.6	3845.2
			4665	290844.2	-1455056.9	-1448552.2	0.0	-6373.6	1130.3
			4673	297321.2	9926.9	-1366354.2	0.0	-6206.5	-13693.9
2056	3	5 env SL~1 MAX	4765	-283929.9	1289597.5	1495836.6	0.0	-159535.7	-2840.1
			4757	-279822.1	-23918.2	1342714.0	0.0	-159688.2	20958.9
			4657	975657.9	867463.5	-980997.8	0.0	305840.3	17157.2
			4665	964140.7	2005652.0	-758696.5	0.0	299620.9	-2134.1
		MIN	4765	-963837.1	-867463.5	1040891.3	0.0	-858561.3	-22623.5
			4757	-975961.5	-2005652.0	761479.4	0.0	-867118.5	3910.6
			4657	279805.6	-1289597.5	-1425956.7	0.0	-3587.4	1095.9

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			4665	283946.4	23918.2	-1343649.9	0.0	-4174.4	-14397.8
2057	3	5 env SL~1 MAX	4757	-275474.2	1186206.0	1455160.1	0.0	-157861.1	-2854.0
			4749	-270472.7	-58351.7	1321520.7	0.0	-157785.5	21608.3
			4649	999956.6	896870.6	-935546.5	0.0	318703.2	17750.0
			4657	989289.0	2104779.1	-669006.6	0.0	313060.6	-2187.4
		MIN	4757	-989033.2	-896870.6	981574.5	0.0	-886655.5	-23451.9
			4749	-1000215.0	-2104779.1	685655.0	0.0	-893409.7	3896.5
			4649	270463.6	-1186206.0	-1436297.7	0.0	-46.8	1156.5
			4657	275485.4	58351.7	-1271439.1	0.0	-580.8	-14976.9
2058	3	5 env SL~1 MAX	4749	-190926.5	1226832.8	1087478.9	0.0	-110917.0	-2864.0
			4741	-185965.6	21625.9	887101.6	0.0	-109235.6	21494.0
			4641	729560.0	791220.0	-677747.6	0.0	235634.0	18304.6
			4649	725568.8	2042912.9	-392739.0	0.0	232861.2	-2112.0
		MIN	4749	-725493.7	-791220.0	718342.6	0.0	-654333.6	-24428.8
			4741	-729635.2	-2042912.9	397445.3	0.0	-653907.0	3659.0
			4641	186035.0	-1226832.8	-1040927.2	0.0	644.7	1131.1
			4649	190857.2	-21625.9	-883821.8	0.0	1224.5	-15159.0
2059	3	5 env SL~1 MAX	4741	-313423.9	942979.4	1688076.7	0.0	-182179.1	-2785.1
			4733	-300709.2	-189292.7	1431027.1	0.0	-176278.5	21658.0
			4633	1279101.6	1069177.2	-914440.5	0.0	419472.1	18057.5
			4641	1279035.2	2410471.7	-673974.2	0.0	416643.6	-1957.8
		MIN	4741	-1279045.3	-1069177.2	1019789.3	0.0	-1158216.0	-24277.3
			4733	-1279091.5	-2410471.7	648676.7	0.0	-1154316.8	3246.2
			4633	300796.9	-942979.4	-1563833.7	0.0	1091.7	1077.4
			4641	313336.2	189292.7	-1467213.7	0.0	1680.5	-15473.1
2060	3	5 env SL~1 MAX	4733	-227030.1	1190904.2	1241916.3	0.0	-133241.5	-2294.8
			4725	-223374.0	92024.2	1136627.4	0.0	-134697.6	21428.9
			4625	991226.6	795805.4	-669565.6	0.0	330337.2	18262.1
			4633	989689.5	2177949.5	-396206.4	0.0	327971.5	-2000.0
		MIN	4733	-989698.9	-795805.4	706680.6	0.0	-902276.2	-24418.7
			4725	-991217.2	-2177949.5	421767.8	0.0	-898770.3	3496.6
			4625	223325.0	-1190904.2	-1249907.9	0.0	4048.1	962.4
			4633	227079.1	-92024.2	-1059691.7	0.0	3032.0	-15307.9
2061	3	5 env SL~1 MAX	4725	-224527.4	1139745.3	1298600.1	0.0	-137459.2	-2347.1
			4717	-222909.2	171358.2	1099050.9	0.0	-140995.2	20700.5
			4617	966976.7	700388.4	-578845.6	0.0	326948.1	18133.7
			4625	971940.0	2212994.8	-363372.0	0.0	326830.1	-2199.9

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			MIN	4725	-972135.6	-700388.4	643944.3	0.0	-891217.1	-24487.7
				4717	-966781.2	-2212994.8	360949.6	0.0	-881345.5	3785.2
				4617	222806.2	-1139745.3	-1227778.7	0.0	10483.7	1122.0
				4625	224630.3	-171358.2	-1100928.2	0.0	8830.4	-15047.2
2062	3	5 env SL~1 MAX		4717	-222929.9	1038582.3	1529641.9	0.0	-142920.3	-2668.0
				4709	-218280.2	228382.2	1615869.5	0.0	-143473.3	21375.6
				4609	962437.8	606400.5	-735866.2	0.0	329232.3	17901.2
				4617	954945.3	2258648.8	-419970.7	0.0	325308.1	-2307.9
			MIN	4717	-954807.2	-606400.5	665085.6	0.0	-879420.7	-23579.1
				4709	-962575.8	-2258648.8	553427.6	0.0	-882604.7	3739.3
				4609	218252.9	-1038582.3	-1770834.6	0.0	15839.6	1327.2
				4617	222957.1	-228382.2	-1305732.8	0.0	15019.9	-15191.9
2063	3	5 env SL~1 MAX		4709	-188408.9	461293.1	1203392.8	0.0	-119612.0	-3245.0
				4701	-160355.5	463599.0	1495763.4	0.0	-95543.6	30644.1
				4601	1161071.8	359853.3	356180.3	0.0	401599.3	19681.8
				4609	1069140.0	2892460.3	-134847.6	0.0	366986.3	-1476.9
			MIN	4709	-1066523.2	-359853.3	388305.3	0.0	-980741.1	-21859.3
				4701	-1163688.5	-2892460.3	-716603.6	0.0	-1077981.3	1444.4
				4601	160977.1	-461293.1	-1441291.1	0.0	2954.0	1020.5
				4609	187787.3	-463599.0	-1188921.0	0.0	10208.9	-19011.6
2064	3	5 env SL~1 MAX		4689	-157144.7	2312777.5	1533149.7	0.0	27470.0	2698.6
				4681	-161691.4	57123.9	1273556.9	0.0	18105.6	4163.5
				4581	471786.8	751183.5	-747850.4	0.0	42280.9	6452.9
				4589	497390.0	996779.8	-56876.2	0.0	50814.0	2355.5
			MIN	4689	-498251.7	-751183.5	-120173.8	0.0	-343046.0	-10999.3
				4681	-470925.1	-996779.8	850292.3	0.0	-307982.2	-838.2
				4581	161418.3	-2312777.5	-1350271.4	0.0	-115978.0	-3224.9
				4589	157417.8	-57123.9	-1387491.2	0.0	-120503.8	-2597.4
2065	3	5 env SL~1 MAX		4681	-166872.9	1695712.0	1743785.2	0.0	9117.8	1823.3
				4673	-164040.6	26618.8	1601230.1	0.0	7528.0	4678.2
				4573	436482.9	785959.6	-1068085.6	0.0	34159.5	5405.3
				4581	436988.2	1557102.7	-990527.5	0.0	30224.5	2050.5
			MIN	4681	-437043.5	-785959.6	1167310.3	0.0	-278517.0	-7977.3
				4673	-436427.6	-1557102.7	950200.5	0.0	-276011.8	-871.0
				4573	163975.3	-1695712.0	-1544608.5	0.0	-105979.5	-2758.1
				4581	166938.2	-26618.8	-1731462.8	0.0	-107763.3	-2023.5
2066	3	5 env SL~1 MAX		4673	-159915.5	1465299.8	1435889.5	0.0	6579.1	1655.2
				4665	-156229.3	12472.7	1368675.2	0.0	5811.6	5415.0

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			4565	429862.3	819059.9	-982315.1	0.0	43689.4	5566.1
			4573	421210.4	1822533.0	-788311.8	0.0	38007.4	1909.0
		MIN	4673	-421001.4	-819059.9	1034143.7	0.0	-283798.3	-7820.0
			4665	-430071.3	-1822533.0	799159.6	0.0	-288501.7	-813.5
			4565	156183.5	-1465299.8	-1393178.0	0.0	-99431.9	-2577.3
			4573	159961.2	-12472.7	-1342442.7	0.0	-101050.6	-2432.5
2067	3	5 env SL~1 MAX	4665	-152179.0	1308141.9	1423526.9	0.0	4736.5	1589.0
			4657	-149418.0	-4883.7	1289208.1	0.0	3017.4	5796.9
			4557	438483.4	849543.8	-936136.8	0.0	54314.1	6004.0
			4565	431607.9	1995533.4	-699047.8	0.0	49102.4	1741.2
		MIN	4665	-431444.5	-849543.8	990326.1	0.0	-301300.9	-8400.8
			4657	-438646.8	-1995533.4	707534.8	0.0	-304199.1	-646.1
			4557	149347.3	-1308141.9	-1367908.9	0.0	-92473.0	-2418.4
			4565	152249.7	4883.7	-1275882.1	0.0	-94380.5	-2829.9
2068	3	5 env SL~1 MAX	4657	-146291.7	1196751.1	1408187.8	0.0	1150.9	1429.1
			4649	-143422.9	-40068.3	1271334.4	0.0	-464.7	6159.5
			4549	443623.4	881164.7	-895830.0	0.0	63908.3	6358.5
			4557	437338.1	2102812.6	-620128.0	0.0	58915.6	1563.4
		MIN	4657	-437192.3	-881164.7	942469.6	0.0	-314701.8	-8822.9
			4649	-443769.1	-2102812.6	636164.8	0.0	-316938.3	-509.6
			4549	143354.6	-1196751.1	-1384233.7	0.0	-85237.8	-2223.6
			4557	146360.0	40068.3	-1226344.5	0.0	-87119.1	-3184.6
2069	3	5 env SL~1 MAX	4649	-101012.8	1240345.3	1048785.1	0.0	-713.0	1303.0
			4641	-98637.2	40627.5	857970.0	0.0	-1097.4	6095.8
			4541	321330.4	770774.0	-653558.7	0.0	51186.4	6795.0
			4549	317470.4	2033661.8	-357865.2	0.0	48018.2	1419.4
		MIN	4649	-317396.7	-770774.0	692120.6	0.0	-234626.0	-9436.8
			4641	-321404.0	-2033661.8	364604.6	0.0	-233754.4	-488.3
			4541	98610.1	-1240345.3	-1006681.3	0.0	-57891.9	-2141.6
			4549	101039.9	-40627.5	-850242.3	0.0	-58427.3	-3274.0
2070	3	5 env SL~1 MAX	4641	-166692.3	965716.5	1650170.8	0.0	-1227.7	1158.1
			4633	-160493.1	-152953.8	1410604.2	0.0	-1632.4	6556.8
			4533	559195.3	1033933.3	-890924.5	0.0	97827.3	6603.5
			4541	556946.6	2391674.7	-632961.7	0.0	92874.1	1366.5
		MIN	4641	-556887.3	-1033933.3	987117.1	0.0	-418523.1	-9183.8
			4633	-559254.6	-2391674.7	616820.5	0.0	-417549.7	-455.4
			4533	160454.9	-965716.5	-1537755.8	0.0	-93899.0	-1872.4
			4541	166730.5	152953.8	-1434962.7	0.0	-96625.3	-3734.7

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2071	3	5 env SL~1 MAX	4633	-120748.4	1194252.4	1212921.2	0.0	-2491.4	1172.0
			4625	-118401.9	113144.6	1089097.2	0.0	-4666.6	6477.3
			4525	430615.8	775562.9	-653023.3	0.0	82695.7	6957.1
			4533	427678.8	2178892.3	-373103.3	0.0	78925.0	1141.7
		MIN	4633	-427630.2	-775562.9	693826.4	0.0	-329893.9	-9534.5
			4625	-430660.5	-2178892.3	394976.5	0.0	-328374.6	-220.5
			4525	118317.4	-1194252.4	-1201778.1	0.0	-65926.6	-1777.2
			4533	120829.9	-113144.6	-1031296.3	0.0	-67968.0	-3732.3
2072	3	5 env SL~1 MAX	4625	-117307.4	1152834.6	1261739.0	0.0	-8211.9	1000.9
			4617	-115422.8	191591.0	1097606.5	0.0	-11170.8	6339.5
			4517	418571.6	679187.9	-587065.8	0.0	86149.6	7040.8
			4525	417564.4	2201840.0	-348366.8	0.0	83263.5	913.0
		MIN	4625	-417585.6	-679187.9	637961.1	0.0	-328792.7	-9676.0
			4617	-418546.8	-2201840.0	360147.9	0.0	-324656.5	25.5
			4517	115317.9	-1152834.6	-1222282.8	0.0	-57669.2	-1547.4
			4525	117409.4	-191591.0	-1068118.7	0.0	-59952.6	-3784.7
2073	3	5 env SL~1 MAX	4617	-114046.3	1008807.0	1435905.0	0.0	-14332.7	726.9
			4609	-110710.3	256732.2	1389445.0	0.0	-16094.4	6765.6
			4509	414081.4	578563.8	-659497.5	0.0	92475.3	7121.0
			4517	408119.0	2299335.7	-377842.0	0.0	87769.6	728.4
		MIN	4617	-407998.6	-578563.8	638668.4	0.0	-327599.7	-9458.5
			4609	-414198.1	-2299335.7	461347.4	0.0	-328778.3	128.5
			4509	110635.8	-1008807.0	-1555538.6	0.0	-49867.3	-1301.6
			4517	114117.9	-256732.2	-1200867.4	0.0	-51812.6	-3996.2
2074	3	5 env SL~1 MAX	4609	-98603.3	666057.6	1197364.0	0.0	-9954.1	372.0
			4601	-86852.8	432135.0	1441291.1	0.0	-2954.0	10184.1
			4501	484257.1	389556.6	63106.6	0.0	122048.7	7830.2
			4509	447177.6	2677482.8	-169968.7	0.0	107535.0	858.0
		MIN	4609	-446211.7	-389556.6	409366.4	0.0	-367440.3	-8975.2
			4601	-485223.0	-2677482.8	-356180.3	0.0	-401599.3	-536.3
			4501	87009.0	-666057.6	-1396526.0	0.0	-48547.8	-1240.0
			4509	98447.0	-432135.0	-1173185.1	0.0	-47650.9	-5548.7
2075	3	5 env SL~1 MAX	4589	-93894.4	2178808.0	1387491.2	0.0	120503.8	4857.0
			4581	-95334.4	115095.7	1214504.4	0.0	115330.3	-2262.4
			4481	313993.0	688550.1	-724035.8	0.0	-93848.6	419.0
			4489	312694.5	1129067.9	-191270.1	0.0	-93532.6	5082.1
		MIN	4589	-312727.1	-688550.1	56876.2	0.0	-50814.0	-2334.1
			4581	-313960.4	-1129067.9	755895.8	0.0	-39041.0	-4064.4

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			4481	95163.3	-2178808.0	-1271815.1	0.0	-173690.1	-5155.0
			4489	94065.5	-115095.7	-1261236.5	0.0	-177429.3	3285.5
2076	3	5 env SL~1 MAX	4581	-95688.6	1754345.2	1552776.1	0.0	108411.0	4361.7
			4573	-94387.1	63232.5	1500847.4	0.0	105657.2	-1930.2
			4473	298581.5	751057.5	-988045.9	0.0	-90708.6	308.6
			4481	297464.2	1510977.0	-894710.0	0.0	-95571.9	5086.6
		MIN	4581	-297399.0	-751057.5	1067394.7	0.0	-33464.4	-1517.1
			4573	-298646.7	-1510977.0	878037.6	0.0	-32418.1	-3884.6
			4473	94277.9	-1754345.2	-1427504.6	0.0	-163042.5	-4769.4
			4481	95797.9	-63232.5	-1557174.9	0.0	-166105.5	3395.6
2077	3	5 env SL~1 MAX	4573	-91223.9	1498500.3	1386203.9	0.0	101372.9	4087.5
			4565	-89572.0	50858.6	1314588.8	0.0	99029.7	-1467.3
			4465	286769.3	781199.1	-924542.6	0.0	-80779.8	533.5
			4473	283994.5	1795860.6	-737933.1	0.0	-86188.7	4820.9
		MIN	4573	-283905.1	-781199.1	978359.8	0.0	-39748.8	-1597.5
			4565	-286858.7	-1795860.6	746792.2	0.0	-41681.6	-3665.2
			4465	89473.0	-1498500.3	-1329625.5	0.0	-153442.2	-4483.8
			4473	91323.0	-50858.6	-1302223.2	0.0	-156389.6	3041.4
2078	3	5 env SL~1 MAX	4565	-86381.0	1342675.2	1354471.2	0.0	94782.7	3860.7
			4557	-85055.7	31653.8	1238458.0	0.0	92070.3	-1157.0
			4457	276297.6	814488.9	-884251.2	0.0	-70415.6	888.3
			4465	273818.5	1968721.8	-648660.9	0.0	-75703.9	4586.5
		MIN	4565	-273733.1	-814488.9	934570.7	0.0	-51110.2	-1988.8
			4557	-276383.0	-1968721.8	661017.8	0.0	-52337.0	-3405.9
			4457	84946.5	-1342675.2	-1307589.3	0.0	-143723.4	-4208.6
			4465	86490.1	-31653.8	-1216396.0	0.0	-146789.5	2711.7
2079	3	5 env SL~1 MAX	4557	-82174.1	1226568.4	1355795.4	0.0	87521.8	3597.7
			4549	-80798.4	-3999.7	1224747.7	0.0	84855.9	-849.2
			4449	265314.6	846943.0	-848950.9	0.0	-60386.2	1207.9
			4457	262904.6	2080829.1	-577901.1	0.0	-65593.1	4351.2
		MIN	4557	-262822.9	-846943.0	895247.0	0.0	-60892.8	-2316.3
			4549	-265396.3	-2080829.1	594281.3	0.0	-61882.9	-3158.1
			4449	80690.1	-1226568.4	-1329769.7	0.0	-133897.4	-3920.0
			4457	82282.4	3999.7	-1181829.3	0.0	-136950.4	2391.5
2080	3	5 env SL~1 MAX	4549	-56300.4	1265808.6	1009728.3	0.0	58809.2	3350.1
			4541	-55384.9	70715.2	833261.3	0.0	57530.6	-889.0
			4441	185286.1	737611.0	-622771.9	0.0	-37842.2	1657.3
			4449	182264.7	2010777.0	-331023.4	0.0	-41328.3	4343.2

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				MIN	4549	-182203.8	-737611.0	659413.8	0.0	-50043.7	-2873.0
					4541	-185346.9	-2010777.0	339682.8	0.0	-49119.8	-3028.9
					4441	55307.2	-1265808.6	-971609.7	0.0	-91189.1	-3741.7
					4449	56378.1	-70715.2	-821548.3	0.0	-92610.2	2302.4
2081	3	5	env SL~1	MAX	4541	-93017.6	1010279.4	1608382.8	0.0	96986.6	3145.3
					4533	-90145.7	-95804.8	1388363.6	0.0	93507.5	-208.3
					4433	308862.5	975841.1	-858530.5	0.0	-55894.0	1505.6
					4441	308973.3	2349182.4	-598765.9	0.0	-62292.7	3758.6
				MIN	4541	-308897.6	-975841.1	946837.6	0.0	-94940.7	-2576.1
					4533	-308938.2	-2349182.4	590510.2	0.0	-95753.6	-2714.4
					4433	90041.2	-1010279.4	-1504493.7	0.0	-148065.0	-3348.7
					4441	93122.0	95804.8	-1404196.2	0.0	-152923.1	1719.4
2082	3	5	env SL~1	MAX	4533	-67070.4	1219003.7	1180688.6	0.0	68359.6	2892.7
					4525	-65974.3	152115.5	1051193.9	0.0	65500.8	-217.9
					4425	228188.9	736073.7	-631257.0	0.0	-34596.1	1979.9
					4433	226350.2	2156907.9	-357472.0	0.0	-39256.7	3727.3
				MIN	4533	-226283.5	-736073.7	673517.6	0.0	-80998.7	-3088.5
					4525	-228255.6	-2156907.9	377887.8	0.0	-80576.4	-2456.8
					4425	65863.4	-1219003.7	-1156468.5	0.0	-105382.1	-3108.2
					4433	67181.3	-152115.5	-1006469.9	0.0	-108464.0	1627.0
2083	3	5	env SL~1	MAX	4525	-64000.7	1179791.1	1218702.9	0.0	60378.4	2628.5
					4517	-63184.8	229834.8	1078515.7	0.0	57237.8	-99.5
					4417	215175.4	638389.1	-581097.4	0.0	-27140.4	2190.2
					4425	213321.9	2175824.5	-338915.4	0.0	-31455.3	3528.0
				MIN	4525	-213260.6	-638389.1	623502.3	0.0	-85382.7	-3306.0
					4517	-215236.7	-2175824.5	359186.8	0.0	-84026.7	-2166.2
					4417	63066.0	-1179791.1	-1194886.5	0.0	-95306.1	-2810.8
					4425	64119.5	-229834.8	-1033388.1	0.0	-98458.2	1426.1
2084	3	5	env SL~1	MAX	4517	-60843.7	1016393.1	1344634.5	0.0	52244.0	2324.0
					4509	-59433.0	298423.1	1220137.6	0.0	49527.5	244.5
					4409	202262.1	534921.4	-591157.9	0.0	-18074.7	2432.7
					4417	200383.4	2298699.7	-346693.6	0.0	-23353.2	3332.3
				MIN	4517	-200300.1	-534921.4	605721.0	0.0	-89892.5	-3407.6
					4509	-202345.4	-2298699.7	394807.0	0.0	-90581.7	-1945.1
					4409	59323.7	-1016393.1	-1385124.1	0.0	-85287.2	-2500.8
					4417	60953.0	-298423.1	-1110704.1	0.0	-89265.9	1175.4
2085	3	5	env SL~1	MAX	4509	-53415.1	832313.6	1181034.4	0.0	47990.7	1994.8

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			4501	-49055.6	424189.2	1396526.0	0.0	48547.8	1679.4
			4401	221470.1	394441.4	-174808.7	0.0	-2044.4	2792.4
			4409	203772.3	2501211.9	-214817.2	0.0	-9968.2	2886.9
		MIN	4509	-203356.7	-394441.4	434659.2	0.0	-109428.5	-3367.8
			4501	-221880.9	-2501211.9	-63106.6	0.0	-122048.7	-1980.8
			4401	49029.9	-832313.6	-1353967.1	0.0	-77838.8	-2272.8
			4409	53436.9	-424189.2	-1154649.4	0.0	-79759.4	370.7
2086	3	5 env SL~1 MAX	4489	-54105.8	2096336.9	1261236.5	0.0	177429.3	6071.3
			4481	-55819.0	174145.0	1158202.8	0.0	173559.0	-5707.4
			4381	246210.7	624967.1	-672549.6	0.0	-163737.3	-2586.1
			4389	240660.8	1210342.2	-299454.5	0.0	-166995.7	10411.8
		MIN	4489	-240555.0	-624967.1	191270.1	0.0	93532.6	1750.2
			4481	-246316.5	-1210342.2	676305.2	0.0	96647.2	-8711.9
			4381	55673.2	-2096336.9	-1196050.1	0.0	-304819.1	-6320.0
			4389	54251.6	-174145.0	-1154445.2	0.0	-310233.5	6313.4
2087	3	5 env SL~1 MAX	4481	-54333.4	1815763.7	1398185.8	0.0	166236.6	5662.3
			4473	-54523.3	114587.5	1408909.9	0.0	163006.8	-5436.9
			4373	236086.7	699966.2	-905069.8	0.0	-156120.8	-2307.7
			4381	233217.8	1459515.0	-817107.9	0.0	-161158.0	10211.8
		MIN	4481	-233057.1	-699966.2	970745.9	0.0	92773.3	1741.0
			4473	-236247.4	-1459515.0	814108.3	0.0	92584.7	-8467.3
			4373	54385.8	-1815763.7	-1317766.6	0.0	-291135.7	-5825.2
			4381	54471.0	-114587.5	-1420385.2	0.0	-298888.9	6024.8
2088	3	5 env SL~1 MAX	4473	-51159.1	1549260.1	1320817.9	0.0	156425.4	5319.0
			4465	-51257.1	100760.9	1259720.1	0.0	153384.5	-5110.1
			4365	225472.9	730852.8	-859311.9	0.0	-147027.6	-2012.5
			4373	221426.4	1751094.1	-689245.5	0.0	-151936.4	9745.1
		MIN	4473	-221259.9	-730852.8	911870.8	0.0	84312.7	1517.4
			4465	-225639.4	-1751094.1	699363.0	0.0	82840.0	-8059.7
			4365	51124.4	-1549260.1	-1259794.7	0.0	-275794.3	-5436.3
			4373	51291.8	-100760.9	-1251799.3	0.0	-283261.9	5690.8
2089	3	5 env SL~1 MAX	4465	-47886.0	1391328.4	1286301.4	0.0	146847.2	4995.8
			4457	-48069.8	80648.8	1189865.3	0.0	143663.6	-4783.3
			4357	215805.7	766013.0	-826368.1	0.0	-136063.0	-1641.3
			4365	211964.2	1926779.2	-605455.4	0.0	-142127.3	9323.7
		MIN	4465	-211799.3	-766013.0	873840.5	0.0	73643.7	1148.9
			4457	-215970.5	-1926779.2	620659.4	0.0	72445.5	-7700.4
			4357	47932.5	-1391328.4	-1244981.8	0.0	-260612.1	-5056.6
			4365	48023.3	-80648.8	-1162240.8	0.0	-268114.5	5359.4

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2090 3 5 env SL~1 MAX 4457 -44762.7 1272384.9 1299553.4 0.0 137010.2 4658.8
4449 -44921.3 44754.8 1181241.7 0.0 133845.7 -4451.0
4349 205947.4 799384.5 -796142.7 0.0 -124673.2 -1286.5
4357 202080.0 2042165.9 -541473.8 0.0 -130726.1 8896.8

MIN 4457 -201917.2 -799384.5 841492.9 0.0 63563.2 807.8
4449 -206110.2 -2042165.9 558799.9 0.0 62438.4 -7338.5
4349 44784.2 -1272384.9 -1273410.1 0.0 -245528.4 -4700.2
4357 44899.8 -44754.8 -1138441.0 0.0 -252968.9 5020.5

2091 3 5 env SL~1 MAX 4449 -30128.8 1302906.7 970076.4 0.0 92661.9 4299.5
4441 -30520.4 108504.9 812099.8 0.0 91144.6 -4320.6
4341 143342.6 698165.0 -586362.4 0.0 -83272.5 -775.2
4349 139161.6 1976367.1 -310790.2 0.0 -87431.3 8726.6

MIN 4449 -139031.2 -698165.0 621174.3 0.0 39276.0 197.4
4441 -143473.0 -1976367.1 321279.6 0.0 39907.3 -7345.1
4341 30413.3 -1302906.7 -935653.3 0.0 -168309.8 -4433.1
4349 30235.8 -108504.9 -796691.4 0.0 -173343.1 4721.7

2092 3 5 env SL~1 MAX 4441 -49542.4 1073537.6 1563706.1 0.0 152967.7 4109.2
4433 -49147.7 -24011.0 1365884.3 0.0 148008.1 -3611.3
4333 237543.5 901456.1 -819005.1 0.0 -133790.7 -921.7
4341 235330.9 2286450.7 -570347.8 0.0 -141498.6 7920.7

MIN 4441 -235156.2 -901456.1 900258.2 0.0 60227.6 536.3
4433 -237718.2 -2286450.7 569146.1 0.0 57950.8 -6370.7
4333 49005.7 -1073537.6 -1466093.2 0.0 -277644.2 -4014.4
4341 49684.4 24011.0 -1375800.7 0.0 -288140.3 4402.7

2093 3 5 env SL~1 MAX 4433 -35251.0 1261488.8 1145365.4 0.0 108520.9 3683.9
4425 -35665.6 204021.5 1019423.1 0.0 105312.3 -3573.3
4325 174950.5 682561.8 -604462.4 0.0 -93659.5 -344.2
4333 171330.4 2116057.4 -347912.3 0.0 -99214.1 7658.7

MIN 4433 -171172.7 -682561.8 646856.5 0.0 37199.9 -112.6
4425 -175108.2 -2116057.4 368194.7 0.0 36695.3 -6300.9
4325 35532.0 -1261488.8 -1111658.6 0.0 -200879.2 -3661.5
4333 35384.6 -204021.5 -985498.2 0.0 -208284.2 4031.3

2094 3 5 env SL~1 MAX 4425 -33053.7 1220252.7 1170433.5 0.0 98528.0 3353.0
4417 -33566.9 280696.7 1048745.1 0.0 95396.0 -3253.2
4317 164617.3 583563.8 -564592.3 0.0 -83980.7 -49.2
4325 160836.2 2135293.4 -334335.4 0.0 -89443.3 7242.7

MIN 4425 -160682.0 -583563.8 601977.7 0.0 29356.1 -397.5

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				4417	-164771.5	-2135293.4	359626.4	0.0	29142.8	-5955.8	
				4317	33429.9	-1220252.7	-1152601.2	0.0	-186267.8	-3312.7	
				4325	33190.8	-280696.7	-997633.4	0.0	-193527.5	3706.9	
2095	3	5 env SL~1	MAX	4417	-30544.6	1051609.2	1256845.4	0.0	88457.1	3001.1	
				4409	-30616.8	350014.5	1092606.3	0.0	86549.6	-2950.5	
				4309	153341.1	479303.6	-528383.3	0.0	-73005.8	296.8	
				4317	150086.7	2267210.6	-325262.1	0.0	-79173.4	6853.8	
			MIN	4417	-149920.7	-479303.6	568164.6	0.0	21350.8	-665.5	
				4409	-153507.2	-2267210.6	348157.2	0.0	20399.0	-5613.8	
				4309	30478.8	-1051609.2	-1247421.2	0.0	-170856.0	-2941.8	
				4317	30682.6	-350014.5	-1033086.6	0.0	-178600.8	3390.2	
2096	3	5 env SL~1	MAX	4409	-26511.9	970647.2	1155081.8	0.0	79775.7	2649.3	
				4401	-26052.7	432810.9	1353967.1	0.0	77838.8	-2221.5	
				4301	150200.0	381437.4	-361225.2	0.0	-60769.4	569.1	
				4309	142949.3	2353183.1	-262114.8	0.0	-67051.1	6282.8	
			MIN	4409	-142761.7	-381437.4	457818.0	0.0	7643.9	-808.5	
				4401	-150387.5	-2353183.1	174808.7	0.0	2044.4	-5035.9	
				4301	25952.5	-970647.2	-1308281.3	0.0	-156601.0	-2629.7	
				4309	26612.2	-432810.9	-1131823.5	0.0	-163426.5	3074.9	
2097	3	5 env SL~1	MAX	4389	-18140.1	2054703.9	1154445.2	0.0	310233.5	9024.3	
				4381	-21704.7	234028.1	1106660.7	0.0	308155.8	-6889.0	
				4281	215476.8	560430.8	-596750.5	0.0	-189394.6	-4006.7	
				4289	205859.0	1250213.0	-357612.7	0.0	-193340.5	15080.6	
			MIN	4389	-205676.2	-560430.8	299454.5	0.0	166995.7	3792.1	
				4381	-215659.6	-1250213.0	612998.2	0.0	166315.1	-13444.8	
				4281	21566.0	-2054703.9	-1124949.7	0.0	-427638.6	-10000.5	
				4289	18278.9	-234028.1	-1067212.2	0.0	-434774.4	7262.7	
2098	3	5 env SL~1	MAX	4381	-19438.8	1882865.7	1268891.7	0.0	295552.2	8413.6	
				4373	-21317.1	176580.9	1324569.2	0.0	293664.4	-6584.2	
				4273	208925.9	636893.5	-818625.9	0.0	-180505.7	-3600.8	
				4281	203861.2	1400243.5	-752462.8	0.0	-186325.6	14778.4	
			MIN	4381	-203621.0	-636893.5	876659.3	0.0	158580.2	3457.7	
				4373	-209166.1	-1400243.5	757105.7	0.0	158054.6	-13065.8	
				4273	21162.4	-1882865.7	-1213668.8	0.0	-409037.0	-9259.8	
				4281	19593.5	-176580.9	-1310848.1	0.0	-419252.1	6989.5	
2099	3	5 env SL~1	MAX	4373	-17007.0	1613785.7	1244996.7	0.0	280733.2	7910.6	
				4365	-18858.9	159373.6	1204371.9	0.0	278507.7	-6218.6	
				4265	199592.4	670813.8	-787768.4	0.0	-170310.2	-3246.1	

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				4273	193386.5	1691872.0	-643326.1	0.0	-175913.0	14129.2	
			MIN	4373	-193149.4	-670813.8	837209.5	0.0	150002.7	3141.2	
				4365	-199829.5	-1691872.0	656561.4	0.0	149109.6	-12483.4	
				4265	18703.0	-1613785.7	-1185166.0	0.0	-388558.1	-8700.9	
				4273	17162.9	-159373.6	-1195258.5	0.0	-398283.1	6610.9	
2100	3	5	env SL~1 MAX	4365	-14372.1	1452435.4	1217663.6	0.0	265401.0	7361.6	
				4357	-16109.1	138973.7	1142962.6	0.0	263280.3	-5846.2	
				4257	191280.3	708239.3	-763035.5	0.0	-160250.3	-2833.4	
				4265	185218.2	1871470.5	-568261.3	0.0	-165874.3	13540.0	
			MIN	4365	-184983.1	-708239.3	808206.0	0.0	139664.3	2738.5	
				4357	-191515.4	-1871470.5	585767.2	0.0	138490.1	-11949.0	
				4257	15948.1	-1452435.4	-1180152.8	0.0	-368505.1	-8104.5	
				4265	14533.1	-138973.7	-1111529.5	0.0	-378231.5	6231.0	
2101	3	5	env SL~1 MAX	4357	-11356.1	1331709.0	1240460.2	0.0	250300.8	6827.0	
				4349	-12992.9	102983.7	1140351.4	0.0	248207.0	-5467.0	
				4249	183017.1	741736.1	-738057.0	0.0	-150320.7	-2425.5	
				4257	176851.3	1989346.7	-510390.3	0.0	-155870.4	12946.4	
			MIN	4357	-176618.8	-741736.1	782074.6	0.0	128298.9	2347.2	
				4349	-183249.7	-1989346.7	529049.0	0.0	127114.0	-11411.5	
				4249	12829.2	-1331709.0	-1215486.4	0.0	-348652.9	-7523.0	
				4257	11519.8	-102983.7	-1096381.2	0.0	-358278.7	5837.8	
2102	3	5	env SL~1 MAX	4349	-6000.0	1348959.2	929750.0	0.0	170664.4	5968.6	
				4341	-7730.6	152761.4	798191.3	0.0	170990.4	-5288.9	
				4241	127933.4	652607.7	-544825.5	0.0	-102592.5	-1864.2	
				4249	121982.7	1933494.8	-296366.7	0.0	-106539.3	12670.7	
			MIN	4349	-121794.5	-652607.7	577884.0	0.0	84990.4	1642.4	
				4341	-128121.6	-1933494.8	308609.6	0.0	85710.2	-11353.6	
				4241	7602.1	-1348959.2	-898872.2	0.0	-239965.7	-6795.0	
				4249	6128.5	-152761.4	-777455.8	0.0	-246432.2	5515.3	
2103	3	5	env SL~1 MAX	4341	-8744.1	1152964.5	1516927.2	0.0	285459.7	6251.4	
				4333	-11021.3	58607.0	1355309.9	0.0	280316.3	-4643.8	
				4233	212839.4	814776.4	-773371.2	0.0	-168813.0	-2016.3	
				4241	207610.0	2206135.0	-547164.9	0.0	-175749.0	11621.7	
			MIN	4341	-207354.9	-814776.4	848100.6	0.0	139060.9	2044.8	
				4333	-213094.5	-2206135.0	552486.9	0.0	136206.2	-10013.8	
				4233	10863.5	-1152964.5	-1423997.5	0.0	-397779.7	-6684.2	
				4241	8901.9	-58607.0	-1360181.7	0.0	-411506.6	5055.3	

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2104	3	5 env SL~1 MAX	4333	-5667.9	1318993.8	1107144.5	0.0	205612.2	5231.9
			4325	-8181.4	265756.8	997513.3	0.0	203599.0	-4395.7
			4225	157964.7	618267.1	-572617.9	0.0	-120493.5	-1405.5
			4233	151949.3	2059239.9	-343655.0	0.0	-124831.6	11207.7
		MIN	4333	-151717.7	-618267.1	614430.6	0.0	96798.7	1288.6
			4325	-158196.2	-2059239.9	364518.6	0.0	96124.7	-9829.5
			4225	8041.8	-1318993.8	-1065961.2	0.0	-289523.8	-5774.9
			4233	5807.5	-265756.8	-979495.1	0.0	-299179.2	4690.5
2105	3	5 env SL~1 MAX	4325	-5295.5	1273454.0	1117766.9	0.0	190807.7	4712.7
			4317	-7687.5	340782.3	1012921.3	0.0	188793.1	-4052.2
			4217	149928.7	518124.1	-540024.2	0.0	-109561.3	-1062.6
			4225	143626.6	2080894.0	-334400.6	0.0	-114116.0	10616.8
		MIN	4325	-143399.1	-518124.1	574279.2	0.0	86978.0	956.0
			4317	-150156.2	-2080894.0	362821.9	0.0	86291.2	-9296.5
			4217	7541.1	-1273454.0	-1100252.1	0.0	-270083.5	-5212.2
			4225	5441.9	-340782.3	-961492.0	0.0	-279534.8	4356.5
2106	3	5 env SL~1 MAX	4317	-3820.0	1107497.2	1172766.5	0.0	176075.5	4160.6
			4309	-5525.4	409423.0	995510.3	0.0	174168.0	-3707.8
			4209	140382.8	413975.4	-468928.9	0.0	-97381.9	-644.6
			4217	134932.4	2212281.8	-312739.1	0.0	-102480.2	10070.9
		MIN	4317	-134696.9	-413975.4	527032.4	0.0	76862.9	591.7
			4309	-140618.3	-2212281.8	317312.0	0.0	75956.0	-8792.9
			4209	5367.5	-1107497.2	-1133365.6	0.0	-249869.6	-4589.2
			4217	3977.9	-409423.0	-965967.2	0.0	-259827.3	4021.8
2107	3	5 env SL~1 MAX	4309	-1357.3	1088982.9	1119754.2	0.0	160114.4	3732.9
			4301	-3488.2	453947.7	1308281.3	0.0	156601.0	-3351.7
			4201	137286.4	354428.2	-465434.7	0.0	-85768.2	-351.7
			4209	128429.8	2225412.1	-306300.3	0.0	-90318.8	9358.6
		MIN	4309	-128180.0	-354428.2	473186.1	0.0	64100.8	351.3
			4301	-137536.2	-2225412.1	361225.2	0.0	60769.4	-8084.4
			4201	3345.7	-1088982.9	-1255395.4	0.0	-230766.6	-4105.9
			4209	1499.8	-453947.7	-1103696.1	0.0	-239842.8	3623.7
2108	3	5 env SL~1 MAX	4289	43177.2	2047597.1	1067212.2	0.0	434774.4	12272.9
			4281	36802.6	296438.8	1061576.1	0.0	431798.4	-7282.3
			4181	189356.6	493302.0	-527550.6	0.0	-182228.6	-4011.0
			4189	173981.1	1254624.1	-335776.8	0.0	-185771.5	19302.0
		MIN	4289	-173776.1	-493302.0	357612.7	0.0	193340.5	4191.9
			4281	-189561.5	-1254624.1	568391.0	0.0	192404.4	-17806.1
			4181	-36925.6	-2047597.1	-1059692.8	0.0	-534827.3	-13029.4

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			4189	-43054.2	-296438.8	-1000151.5	0.0	-542178.5	7256.2	
2109	3	5 env SL~1 MAX	4281	38498.8	1958278.5	1156213.7	0.0	415092.3	11480.9	
			4273	34692.7	247243.7	1246706.5	0.0	412234.1	-6992.7	
			4173	188007.7	563850.8	-727674.9	0.0	-171617.3	-3561.2	
			4181	179801.9	1331043.3	-696486.4	0.0	-177074.0	19050.9	
		MIN	4281	-179499.6	-563850.8	780822.3	0.0	183315.8	3790.5	
			4273	-188310.0	-1331043.3	706015.4	0.0	182799.4	-17365.6	
			4173	-34854.0	-1958278.5	-1113361.6	0.0	-513986.5	-12075.6	
			4181	-38337.5	-247243.7	-1220614.6	0.0	-526362.9	7056.9	
2110	3	5 env SL~1 MAX	4273	39794.5	1690134.9	1162220.9	0.0	395086.1	10830.4	
			4265	36240.8	225599.6	1148985.1	0.0	391976.9	-6591.9	
			4165	181320.1	602638.7	-710471.5	0.0	-158431.2	-3204.1	
			4173	171758.7	1619982.2	-601389.4	0.0	-164314.2	18254.5	
		MIN	4273	-171465.9	-602638.7	755936.6	0.0	173619.3	3495.1	
			4265	-181612.9	-1619982.2	618600.6	0.0	172774.7	-16631.9	
			4165	-36415.3	-1690134.9	-1106780.6	0.0	-489953.0	-11396.6	
			4173	-39620.1	-225599.6	-1135481.5	0.0	-501601.4	6670.8	
2111	3	5 env SL~1 MAX	4265	42085.1	1525293.0	1147710.3	0.0	374812.7	10144.3	
			4257	38878.3	205372.2	1097509.5	0.0	371864.1	-6174.6	
			4157	176199.2	643427.8	-694318.7	0.0	-144146.6	-2737.7	
			4165	166638.8	1806413.0	-536607.2	0.0	-150388.5	17537.2	
		MIN	4265	-166352.2	-643427.8	737429.1	0.0	163409.8	3083.4	
			4257	-176485.8	-1806413.0	556173.2	0.0	162670.3	-15957.6	
			4157	-39061.8	-1525293.0	-1113091.1	0.0	-466872.1	-10690.1	
			4165	-41901.6	-205372.2	-1063184.7	0.0	-478365.1	6254.6	
2112	3	5 env SL~1 MAX	4257	45494.6	1403364.4	1179024.5	0.0	354919.8	9480.7	
			4249	42571.8	169336.6	1101780.1	0.0	352021.5	-5737.4	
			4149	171575.4	678221.8	-674812.8	0.0	-128901.5	-2260.9	
			4157	161777.2	1924595.2	-484632.3	0.0	-135467.1	16826.9	
		MIN	4257	-161496.0	-678221.8	717252.6	0.0	153450.4	2639.8	
			4249	-171856.6	-1924595.2	504868.8	0.0	152747.5	-15286.4	
			4149	-42764.0	-1403364.4	-1156086.9	0.0	-444367.2	-10006.8	
			4157	-45302.5	-169336.6	-1055773.7	0.0	-455640.8	5811.0	
2113	3	5 env SL~1 MAX	4249	35505.2	1403453.7	888633.3	0.0	243063.5	8410.4	
			4241	32480.8	203050.4	788416.2	0.0	243334.9	-5561.1	
			4141	122092.1	601563.6	-498183.2	0.0	-84282.0	-1635.0	
			4149	113484.0	1883513.2	-287515.1	0.0	-88124.6	16526.0	

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			MIN	4249	-113256.6	-601563.6	529554.8	0.0	104112.4	1871.0
				4241	-122319.4	-1883513.2	301444.8	0.0	105018.0	-15219.4
				4141	-32627.2	-1403453.7	-861273.3	0.0	-307573.3	-9124.2
				4149	-35358.8	-203050.4	-764314.5	0.0	-315262.9	5460.5
2114	3	5 env SL~1	MAX	4241	62248.6	1247475.3	1468574.0	0.0	408137.4	8775.7
				4233	56607.4	150557.7	1345677.4	0.0	401137.3	-4776.2
				4133	207656.5	717333.2	-722020.4	0.0	-134631.9	-1948.3
				4141	197661.7	2109321.8	-529156.0	0.0	-141165.0	15234.5
			MIN	4241	-197352.2	-717333.2	790545.6	0.0	173834.8	2322.4
				4233	-207965.9	-2109321.8	540682.2	0.0	169944.1	-13537.9
				4133	-56759.9	-1247475.3	-1379133.7	0.0	-514063.7	-9046.4
				4141	-62096.1	-150557.7	-1346282.1	0.0	-529957.8	4839.0
2115	3	5 env SL~1	MAX	4233	45628.1	1390239.0	1066122.2	0.0	295821.6	7496.9
				4225	40333.3	336038.6	988875.6	0.0	292944.1	-4590.3
				4125	158290.6	544494.5	-535423.8	0.0	-95803.4	-1348.3
				4133	148652.9	1987785.6	-344512.5	0.0	-99759.8	14773.1
			MIN	4233	-148370.2	-544494.5	576344.1	0.0	123816.4	1575.7
				4225	-158573.3	-1987785.6	366268.5	0.0	121532.8	-13311.8
				4125	-40457.1	-1390239.0	-1018469.3	0.0	-377584.3	-7938.4
				4133	-45504.2	-336038.6	-974157.6	0.0	-388952.8	4547.2
2116	3	5 env SL~1	MAX	4225	42125.3	1339183.4	1061728.6	0.0	276114.5	6849.8
				4217	37347.9	408618.7	974153.3	0.0	273240.7	-4265.5
				4117	154416.5	443446.9	-508801.1	0.0	-86497.0	-1010.5
				4125	144308.5	2012652.3	-339282.7	0.0	-91093.5	14065.9
			MIN	4225	-144032.7	-443446.9	540750.0	0.0	113076.6	1252.0
				4217	-154692.4	-2012652.3	370010.3	0.0	110542.1	-12642.4
				4117	-37489.4	-1339183.4	-1042586.5	0.0	-355669.5	-7278.2
				4125	-41983.8	-408618.7	-934427.2	0.0	-366697.3	4274.4
2117	3	5 env SL~1	MAX	4217	41415.9	1179829.0	1092066.1	0.0	256670.1	6163.3
				4209	37988.3	476054.6	947187.1	0.0	254087.0	-3915.0
				4109	148837.5	339581.7	-411020.0	0.0	-74199.0	-568.9
				4117	139764.3	2138394.3	-308921.6	0.0	-80037.6	13424.9
			MIN	4217	-139485.1	-339581.7	482753.1	0.0	101499.3	855.6
				4209	-149116.7	-2138394.3	299864.9	0.0	98725.6	-12026.8
				4109	-38159.2	-1179829.0	-1036144.7	0.0	-333209.2	-6554.2
				4117	-41245.0	-476054.6	-917979.6	0.0	-344696.4	3977.2
2118	3	5 env SL~1	MAX	4209	43062.6	1194113.1	1074882.8	0.0	235625.5	5566.8
				4201	39085.1	486164.9	1255395.4	0.0	230766.6	-3468.8

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			4101	146822.1	314556.3	-535039.1	0.0	-60643.7	-169.9
			4109	135600.0	2110923.9	-343083.6	0.0	-66522.4	12644.8
		MIN	4209	-135262.3	-314556.3	475364.4	0.0	88975.1	536.9
			4201	-147159.8	-2110923.9	465434.7	0.0	85768.2	-11160.3
			4101	-39265.4	-1194113.1	-1191663.6	0.0	-308901.8	-5833.1
			4109	-42882.3	-486164.9	-1069670.6	0.0	-321059.7	3539.4
2119	3	5 env SL~1 MAX	4189	199085.5	2073540.7	1000151.5	0.0	542178.5	14509.7
			4181	187744.4	365784.7	1024583.2	0.0	540018.3	-6008.8
			4081	111938.2	422033.8	-466886.8	0.0	-72284.8	-1997.2
			4089	85993.5	1226905.7	-351971.0	0.0	-73523.9	22282.0
		MIN	4189	-85882.3	-422033.8	335776.8	0.0	185771.5	3023.8
			4181	-112049.5	-1226905.7	545757.4	0.0	184076.3	-21467.8
			4081	-187802.6	-2073540.7	-1000862.8	0.0	-596693.3	-14922.6
			4089	-199027.3	-365784.7	-954927.9	0.0	-600139.0	4914.8
2120	3	5 env SL~1 MAX	4181	185590.0	2044974.4	1060783.2	0.0	521171.8	13665.5
			4173	178816.5	326524.7	1174074.8	0.0	518048.6	-5829.8
			4073	123318.5	482764.1	-630638.0	0.0	-66104.5	-1396.4
			4081	109871.6	1251093.9	-644922.1	0.0	-71163.8	22462.6
		MIN	4181	-109544.9	-482764.1	678279.6	0.0	175226.4	2568.1
			4173	-123645.2	-1251093.9	659956.8	0.0	173094.0	-21150.5
			4073	-178959.2	-2044974.4	-1014814.9	0.0	-580468.0	-13799.1
			4081	-185447.3	-326524.7	-1143135.5	0.0	-593808.3	4957.7
2121	3	5 env SL~1 MAX	4173	183633.3	1778170.6	1074768.3	0.0	497539.4	12955.3
			4165	178033.4	300035.8	1094181.7	0.0	494265.8	-5435.4
			4065	124387.8	528303.7	-627535.3	0.0	-53398.6	-993.5
			4073	109071.6	1539092.0	-565095.4	0.0	-60011.0	21615.4
		MIN	4173	-108765.6	-528303.7	669107.4	0.0	162837.6	2191.2
			4165	-124693.8	-1539092.0	586199.7	0.0	160037.4	-20339.9
			4065	-178220.1	-1778170.6	-1025286.8	0.0	-557435.4	-13127.0
			4073	-183446.6	-300035.8	-1074719.2	0.0	-569581.7	4651.3
2122	3	5 env SL~1 MAX	4165	185338.9	1610438.5	1075783.6	0.0	474052.4	12229.0
			4157	180586.7	280370.2	1053510.9	0.0	471104.9	-4980.0
			4057	128527.9	570361.0	-619842.3	0.0	-37562.6	-484.3
			4065	112781.0	1729443.7	-510499.3	0.0	-45038.6	20882.7
		MIN	4165	-112493.9	-570361.0	660879.1	0.0	148782.3	1719.3
			4157	-128815.0	-1729443.7	532138.9	0.0	145750.8	-19616.9
			4057	-180795.2	-1610438.5	-1043631.4	0.0	-536697.3	-12459.1
			4065	-185130.4	-280370.2	-1016719.1	0.0	-548218.0	4221.8

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2123 3 5 env SL~1 MAX 4157 189938.4 1487628.6 1115353.9 0.0 451408.0 11546.7
4149 186011.0 244249.0 1065943.8 0.0 448606.0 -4474.0
4049 134346.7 607451.4 -606082.3 0.0 -19115.0 74.5
4057 118036.3 1850283.8 -464602.4 0.0 -27525.4 20193.7

MIN 4157 -117762.9 -607451.4 646812.1 0.0 133862.9 1215.5
4149 -134620.1 -1850283.8 486548.9 0.0 130514.8 -18918.3
4049 -186244.3 -1487628.6 -1095235.3 0.0 -517605.2 -11835.8
4057 -189705.1 -244249.0 -1016806.2 0.0 -528580.7 3729.6

2124 3 5 env SL~1 MAX 4149 141098.2 1466654.9 846484.1 0.0 311024.0 10366.7
4141 136650.5 258820.1 780600.4 0.0 311812.1 -4289.4
4041 101844.8 544642.2 -446038.4 0.0 -3405.5 738.4
4049 88878.4 1824506.9 -284464.7 0.0 -8076.3 20042.7

MIN 4149 -88659.9 -544642.2 475779.0 0.0 86511.3 354.7
4141 -102063.3 -1824506.9 300025.5 0.0 85833.3 -18939.9
4041 -136814.5 -1466654.9 -822733.8 0.0 -362689.2 -10899.7
4049 -140934.2 -258820.1 -753056.7 0.0 -370607.4 3312.1

2125 3 5 env SL~1 MAX 4141 243398.6 1357702.9 1418920.2 0.0 525719.0 10928.5
4133 231456.4 252600.8 1337335.8 0.0 518288.9 -3418.4
4033 186825.7 608361.2 -664821.8 0.0 1364.8 160.5
4041 167631.1 1995340.6 -516681.1 0.0 -2030.1 18589.7

MIN 4141 -167331.7 -608361.2 727313.7 0.0 139613.7 1010.3
4133 -187125.1 -1995340.6 534240.6 0.0 136071.8 -17039.8
4033 -231550.2 -1357702.9 -1333138.4 0.0 -617289.3 -11099.0
4041 -243304.8 -252600.8 -1334447.5 0.0 -632008.2 2482.0

2126 3 5 env SL~1 MAX 4133 175874.9 1475480.5 1022237.6 0.0 384727.6 9521.5
4125 165408.7 415355.7 981170.4 0.0 381897.2 -3397.2
4025 153872.5 460738.5 -492323.8 0.0 1624.2 369.2
4033 137833.3 1901435.1 -350797.8 0.0 425.1 18310.3

MIN 4133 -137554.9 -460738.5 532292.3 0.0 98320.0 424.8
4125 -154150.9 -1901435.1 373505.7 0.0 97290.8 -16904.0
4025 -165452.9 -1475480.5 -968492.6 0.0 -462186.8 -9923.6
4033 -175830.7 -415355.7 -969697.3 0.0 -473384.2 2419.1

2127 3 5 env SL~1 MAX 4125 162138.6 1418206.5 1005385.8 0.0 362384.5 8865.4
4117 154078.0 484555.7 947479.2 0.0 359607.0 -3206.4
4017 161199.7 361131.1 -471352.7 0.0 3874.0 601.3
4025 144341.0 1931604.1 -349455.5 0.0 809.9 17637.0

MIN 4125 -144076.3 -361131.1 501200.9 0.0 89606.1 227.9
4117 -161464.4 -1931604.1 382283.8 0.0 87920.9 -16212.6

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			4017	-154193.6	-1418206.5	-981611.0	0.0	-444196.0	-9335.1
			4025	-162023.0	-484555.7	-923602.9	0.0	-454754.5	2401.2
2128	3	5 env SL~1 MAX	4117	155806.8	1266811.3	1014056.2	0.0	340758.9	8179.2
			4109	149952.9	550808.8	936961.4	0.0	338607.7	-2923.9
			4009	167545.6	258328.7	-353709.8	0.0	13616.0	1081.2
			4017	151560.8	2050220.0	-314283.1	0.0	7572.2	17058.9
		MIN	4117	-151308.3	-258328.7	435439.0	0.0	78613.8	-118.5
			4109	-167798.2	-2050220.0	295230.3	0.0	76199.1	-15614.2
			4009	-150120.3	-1266811.3	-950694.0	0.0	-426803.0	-8712.7
			4017	-155639.4	-550808.8	-908004.3	0.0	-437379.5	2284.7
2129	3	5 env SL~1 MAX	4109	155626.1	1292602.2	1019850.5	0.0	315661.2	7414.4
			4101	150723.6	530474.1	1191663.6	0.0	308901.8	-2407.2
			4001	167541.6	261547.0	-562163.9	0.0	30097.1	1662.1
			4009	154159.6	2003834.8	-369072.1	0.0	22030.5	16479.9
		MIN	4109	-153689.7	-261547.0	458873.3	0.0	64522.3	-522.1
			4101	-168011.5	-2003834.8	535039.1	0.0	60643.7	-14635.3
			4001	-150962.3	-1292602.2	-1113081.1	0.0	-396981.1	-7564.0
			4009	-155389.0	-530474.1	-1029488.9	0.0	-413900.5	1885.9
2130	3	5 env SL~1 MAX	4089	637665.5	2134662.9	954927.9	0.0	600139.0	13899.2
			4081	615910.3	448300.1	997433.8	0.0	602964.3	-149.3
			3081	-159832.1	342672.6	-416099.6	0.0	285369.0	6759.5
			3089	-209091.9	1167966.3	-422193.6	0.0	292177.8	20753.5
		MIN	4089	208787.2	-342672.6	351971.0	0.0	73523.9	-3159.4
			4081	160136.8	-1167966.3	548998.6	0.0	74641.9	-22446.7
			3081	-615758.3	-2134662.9	-948602.8	0.0	-500983.2	-13305.3
			3089	-637817.5	-448300.1	-934814.9	0.0	-488451.6	-4018.3
2131	3	5 env SL~1 MAX	4081	599959.9	2145482.0	1001778.9	0.0	587537.3	13348.6
			4073	587576.1	417049.0	1106155.0	0.0	585571.4	-338.8
			3073	-113391.9	393235.6	-525521.1	0.0	276356.3	7079.4
			3081	-137040.4	1160078.1	-592508.9	0.0	274377.7	22438.0
		MIN	4081	137287.4	-393235.6	562810.3	0.0	68806.7	-3303.0
			4073	113144.9	-1160078.1	617896.1	0.0	68094.8	-22768.7
			3073	-587640.0	-2145482.0	-950178.3	0.0	-508792.2	-12126.8
			3081	-599896.0	-417049.0	-1073117.0	0.0	-519274.5	-3245.0
2132	3	5 env SL~1 MAX	4073	587962.3	1879809.8	984266.1	0.0	564478.4	12817.5
			4065	579304.9	384813.2	1042483.5	0.0	562759.7	-63.8
			3065	-89383.5	443748.6	-538878.4	0.0	284548.1	7595.6
			3073	-116189.0	1445612.5	-536739.7	0.0	277887.9	21814.8

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			MIN	4073	116381.4	-443748.6	577837.4	0.0	58020.8	-3651.9		
				4065	89191.0	-1445612.5	560457.1	0.0	55585.5	-22104.9		
				3065	-579485.4	-1879809.8	-953651.7	0.0	-500099.1	-11833.2		
				3073	-587781.8	-384813.2	-1017313.1	0.0	-508078.2	-3228.7		
2133	3	5	env SL~1	MAX	4065	587359.5	1709229.6	1011145.5	0.0	542893.8	12336.6	
					4057	580817.8	366047.7	1011129.4	0.0	541915.0	406.3	
					3057	-58243.2	486965.0	-538954.5	0.0	301404.3	8230.4	
					3065	-86700.9	1639223.7	-490083.9	0.0	292530.7	21402.5	
				MIN	4065	86840.9	-486965.0	577577.4	0.0	42851.7	-4182.0	
					4057	58103.2	-1639223.7	514137.3	0.0	39782.7	-21599.2	
					3057	-581054.8	-1709229.6	-986000.1	0.0	-497393.0	-11634.8	
					3065	-587122.5	-366047.7	-971973.5	0.0	-503468.9	-3599.7	
2134	3	5	env SL~1	MAX	4057	594352.5	1585733.7	1058159.9	0.0	523362.9	11953.9	
					4049	590171.7	329725.8	1040682.5	0.0	522813.3	1007.2	
					3049	-22185.8	526879.0	-531290.5	0.0	325451.6	9063.2	
					3057	-52078.3	1762888.1	-450986.7	0.0	313927.0	21134.7	
				MIN	4057	52181.1	-526879.0	570307.4	0.0	25305.3	-4837.7	
					4049	22083.0	-1762888.1	474646.1	0.0	21353.0	-21179.5	
					3049	-590478.8	-1585733.7	-1044083.7	0.0	-499267.3	-11538.3	
					3057	-594045.4	-329725.8	-985814.7	0.0	-503897.7	-4124.8	
2135	3	5	env SL~1	MAX	4049	436067.9	1539387.9	807609.5	0.0	365399.3	11003.6	
					4041	429903.0	321595.2	775096.3	0.0	367897.5	1241.2	
					3041	7628.0	483455.6	-387755.2	0.0	247872.1	9632.3	
					3049	-13568.6	1755602.1	-287701.8	0.0	242359.3	21592.6	
				MIN	4049	13641.1	-483455.6	415900.8	0.0	5838.3	-5683.7	
					4041	-7700.5	-1755602.1	304857.6	0.0	5471.7	-21523.6	
					3041	-430083.2	-1539387.9	-788975.9	0.0	-362496.6	-10883.7	
					3049	-435887.7	-321595.2	-743898.3	0.0	-367359.6	-4719.9	
2136	3	5	env SL~1	MAX	4041	749441.3	1485453.1	1380432.9	0.0	626799.9	11996.5	
					4033	722804.5	367516.8	1330874.4	0.0	622484.1	2032.3	
					3033	64264.4	485217.4	-601331.8	0.0	422195.0	8417.0	
					3041	24318.2	1862495.1	-510338.1	0.0	430114.2	20301.1	
				MIN	4041	-24212.3	-485217.4	657861.9	0.0	-36.2	-5104.4	
					4033	-64370.3	-1862495.1	533859.3	0.0	402.7	-19842.2	
					3033	-722691.5	-1485453.1	-1297953.6	0.0	-648535.6	-11967.6	
					3041	-749554.3	-367516.8	-1325297.2	0.0	-652052.4	-5865.4	
2137	3	5	env SL~1	MAX	4033	539094.8	1576007.5	975323.4	0.0	468189.4	10879.6	

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				4025	516877.9	505787.4	974797.9	0.0	467516.5	1610.8
				3025	91832.7	368335.7	-442682.1	0.0	302590.9	7885.1
				3033	62519.8	1802551.5	-363132.3	0.0	310945.7	20811.2
			MIN	4033	-62403.9	-368335.7	481760.3	0.0	-2192.6	-4998.1
				4025	-91948.5	-1802551.5	386730.5	0.0	240.2	-20123.8
				3025	-516663.9	-1576007.5	-915480.7	0.0	-509967.9	-11149.0
				3033	-539308.8	-505787.4	-966561.0	0.0	-515133.7	-5270.0
2138	3	5	env SL~1 MAX	4025	499441.7	1511982.9	945819.0	0.0	449424.8	10548.0
				4017	483256.2	570571.4	938587.9	0.0	448938.5	1342.0
				3017	130948.2	268812.0	-427270.0	0.0	282376.1	7717.7
				3025	100081.8	1836099.8	-365479.8	0.0	285421.4	20603.7
			MIN	4025	-99995.4	-268812.0	455048.9	0.0	-2674.3	-4836.2
				4017	-131034.6	-1836099.8	400377.4	0.0	-2030.4	-19731.6
				3017	-483223.1	-1511982.9	-916498.3	0.0	-514148.6	-11108.1
				3025	-499474.8	-570571.4	-914041.4	0.0	-518019.6	-4487.7
2139	3	5	env SL~1 MAX	4017	475739.9	1368270.6	940560.6	0.0	432637.0	10247.0
				4009	464735.2	635894.6	928657.9	0.0	433674.6	1352.9
				3009	172799.0	166948.6	-297418.3	0.0	281642.0	8155.6
				3017	141441.9	1946628.6	-329885.9	0.0	277168.9	20529.1
			MIN	4017	-141422.0	-166948.6	385258.5	0.0	-9415.7	-5062.1
				4009	-172818.9	-1946628.6	304722.2	0.0	-10843.8	-19519.2
				3009	-464833.7	-1368270.6	-874093.9	0.0	-523135.5	-11185.2
				3017	-475641.4	-635894.6	-899686.8	0.0	-525174.0	-4025.8
2140	3	5	env SL~1 MAX	4009	471095.1	1390939.0	953559.9	0.0	407028.9	9297.8
				4001	466163.8	590188.0	1113081.1	0.0	396981.1	1912.3
				3001	176570.7	193518.0	-536101.3	0.0	303761.8	9161.9
				3009	163455.4	1898743.3	-381446.1	0.0	291137.9	20967.8
			MIN	4009	-162742.3	-193518.0	418059.7	0.0	-24802.7	-5630.5
				4001	-177283.7	-1898743.3	562163.9	0.0	-30097.1	-18627.7
				3001	-466508.3	-1390939.0	-1014537.9	0.0	-487528.5	-9065.6
				3009	-470750.6	-590188.0	-983159.1	0.0	-513413.3	-4161.0
2141	3	5	env SL~1 MAX	3089	1881699.3	2233702.3	934814.9	0.0	488451.6	4420.4
				3081	1833265.5	552783.6	1003089.1	0.0	507925.5	18763.8
				1081	-1017858.8	247432.5	-376024.7	-1.9	1343235.7	32643.0
				1089	-1125076.5	1073784.8	-565390.3	-0.9	1374741.9	4681.2
			MIN	3089	1123431.9	-247432.5	422193.6	0.0	-292177.8	-22637.3
				3081	1019503.5	-1073784.8	581897.7	0.0	-282800.3	-14289.8
				1081	-1832450.6	-2233702.3	-902766.0	-5.8	90668.0	-744.5
				1089	-1882514.2	-552783.6	-945101.2	-5.4	154071.6	-31696.1

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2142 3 5 env SL~1 MAX 3081 1776121.1 2262921.1 934278.2 0.0 512332.3 5150.8
 3073 1750090.1 521431.7 1041620.1 0.0 515038.8 17470.8
 1073 -874259.1 291330.4 -410427.7 -1.7 1288403.1 32460.4
 1081 -920279.5 1055574.2 -531688.4 -1.9 1297154.7 10939.0

MIN 3081 920161.4 -291330.4 426710.8 0.0 -276946.4 -21995.1
 3073 874377.2 -1055574.2 578081.7 0.0 -273839.4 -16714.4
 1073 -1749864.4 -2262921.1 -888900.7 -5.6 4360.4 198.5
 1081 -1776346.8 -521431.7 -1004520.2 -5.8 7605.5 -28785.0

2143 3 5 env SL~1 MAX 3073 1731190.7 1994508.4 926598.0 0.0 501831.6 5474.9
 3065 1714126.5 482910.9 994324.9 0.0 506329.3 17301.8
 1065 -785141.1 346000.5 -444764.5 -1.7 1280204.4 32966.6
 1073 -838169.9 1339118.2 -519159.7 -1.7 1275800.9 11284.1

MIN 3073 837882.0 -346000.5 484179.2 0.0 -280404.7 -22090.7
 3065 785429.0 -1339118.2 542421.4 0.0 -281728.9 -16835.0
 1065 -1714240.1 -1994508.4 -898566.3 -5.4 -39001.3 -962.5
 1073 -1731147.4 -482910.9 -963416.8 -5.6 -28992.1 -27767.6

2144 3 5 env SL~1 MAX 3065 1720037.9 1822314.4 954915.9 0.0 497238.7 6060.2
 3057 1711115.0 465136.0 970352.7 0.0 503485.5 17700.8
 1057 -677592.2 390372.1 -451203.0 -1.6 1295628.6 33749.8
 1065 -735536.9 1535462.6 -474983.3 -1.7 1285367.4 12164.8

MIN 3065 735110.7 -390372.1 486540.8 0.0 -295349.9 -22636.8
 3057 678018.4 -1535462.6 502321.8 0.0 -298436.7 -17313.8
 1057 -1711379.9 -1822314.4 -929150.6 -5.3 -98759.7 -2448.9
 1065 -1719773.0 -465136.0 -928648.4 -5.4 -83527.2 -27858.3

2145 3 5 env SL~1 MAX 3057 1731920.4 1698167.2 1003046.9 0.0 497805.3 6884.5
 3049 1729678.3 428456.2 1017459.6 0.0 505297.1 18447.7
 1049 -556301.6 433702.6 -450121.6 -1.6 1330950.7 35103.7
 1057 -618088.1 1662161.5 -444317.0 -1.6 1313228.0 13450.5

MIN 3057 617558.5 -433702.6 487619.4 0.0 -316894.6 -23541.2
 3049 556831.2 -1662161.5 469495.6 0.0 -322441.5 -18045.8
 1049 -1730140.1 -1698167.2 -990851.4 -5.3 -171065.4 -4199.6
 1057 -1731458.6 -428456.2 -960711.0 -5.3 -151869.5 -28344.5

2146 3 5 env SL~1 MAX 3049 1264557.1 1621775.8 770522.4 0.0 361329.8 7176.2
 3041 1256070.5 393362.1 772397.9 0.0 368529.4 18844.4
 1041 -325498.1 415482.0 -322951.0 -1.7 978371.6 35630.2
 1049 -364573.8 1681825.1 -297449.1 -1.6 972196.8 15769.1

MIN 3049 364111.8 -415482.0 349496.6 0.0 -245369.5 -24575.2

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				3041	325960.1	-1681825.1	316204.9	0.0	-245335.5	-19330.6	
				1041	-1256258.7	-1621775.8	-755916.5	-5.4	-169032.0	-4819.1	
				1049	-1264368.9	-393362.1	-737172.3	-5.4	-161160.6	-29408.6	
2147	3	5	env SL~1	MAX	3041	2170685.9	1631269.3	1341875.2	0.0	646019.6	9170.4
					3033	2106184.0	499123.5	1326980.3	0.0	654559.3	19052.6
					1033	-399677.4	347492.2	-531295.0	-1.9	1643890.9	31835.8
					1041	-491014.5	1712462.4	-510471.8	-1.7	1686253.5	15646.2
				MIN	3041	490408.1	-347492.2	581888.5	0.0	-432650.8	-23154.8
					3033	400283.9	-1712462.4	539929.7	0.0	-420473.1	-19204.8
					1033	-2105446.7	-1631269.3	-1261191.6	-5.5	-410522.3	-8405.9
					1041	-2171423.1	-499123.5	-1319607.5	-5.4	-374197.5	-31130.2
2148	3	5	env SL~1	MAX	3033	1558973.7	1692184.0	937534.4	0.0	509110.1	9582.3
					3025	1507031.4	610221.0	970335.1	0.0	516234.7	17415.3
					1025	-176248.4	264027.9	-386302.1	-1.8	1176009.1	29483.4
					1033	-236649.0	1688947.5	-381950.4	-1.8	1213035.9	18609.4
				MIN	3033	236153.5	-264027.9	424534.4	0.0	-312667.6	-21285.8
					3025	176743.9	-1688947.5	406394.4	0.0	-300649.4	-20782.9
					1025	-1506058.2	-1692184.0	-873612.7	-5.4	-402027.0	-9196.3
					1033	-1559947.0	-610221.0	-965312.7	-5.3	-384181.3	-28674.2
2149	3	5	env SL~1	MAX	3025	1447752.9	1620862.6	883105.4	0.0	511752.8	10514.8
					3017	1412035.0	669507.4	931239.7	0.0	519357.6	15786.7
					1017	-48433.1	164274.9	-375703.3	-1.7	1098961.3	27918.4
					1025	-111965.4	1724864.0	-387486.3	-1.8	1117900.5	20095.8
				MIN	3025	111406.5	-164274.9	401767.5	0.0	-287362.9	-19955.2
					3017	48992.0	-1724864.0	424098.5	0.0	-280276.3	-21600.9
					1017	-1411542.6	-1620862.6	-847598.3	-5.5	-479385.0	-11025.6
					1025	-1448245.3	-669507.4	-907397.7	-5.4	-458827.9	-25564.4
2150	3	5	env SL~1	MAX	3017	1374290.2	1483438.2	868401.2	0.0	519965.0	11706.7
					3009	1351459.8	733989.9	925536.5	0.0	531776.0	15041.9
					1009	95445.2	64909.2	-244760.2	-1.6	1062323.9	27826.2
					1017	25985.9	1830039.8	-356913.4	-1.7	1067784.9	21738.1
				MIN	3017	-26793.7	-64909.2	333057.5	0.0	-279268.7	-19629.8
					3009	-94637.4	-1830039.8	331292.4	0.0	-277914.4	-22818.6
					1009	-1351311.5	-1483438.2	-806023.9	-5.5	-575481.1	-13540.0
					1017	-1374438.6	-733989.9	-895807.9	-5.5	-546588.7	-23758.2
2151	3	5	env SL~1	MAX	3009	1356694.2	1499750.1	874541.8	0.0	504772.8	10522.2
					3001	1355948.7	675894.1	1014537.9	0.0	487528.5	15445.9
					1001	106460.4	107582.7	-443376.4	-1.9	1090987.6	29983.2

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			1009	102646.7	1792626.4	-377620.5	-1.6	1069128.1	25563.8		
			MIN	3009	-101383.9	-107582.7	347572.0	0.0	-294865.6	-20471.2	
				3001	-107723.2	-1792626.4	536101.3	0.0	-303761.8	-22637.9	
				1001	-1356545.7	-1499750.1	-889271.4	-5.8	-533507.9	-8892.6	
				1009	-1356097.2	-675894.1	-930980.8	-5.5	-579901.2	-22753.8	
2154	3	3 env SL~1 MAX	5048	472995.3	382610.2	408782.0	190232.9	277031.6	16038.0		
			5190	129571.3	938160.1	283681.8	344786.1	161106.7	8047.9		
			5196	4379124.5	1071939.8	326686.1	1157956.7	123298.7	16801.2		
			4948	1468801.1	2790948.7	-209807.2	1115066.4	52871.4	116868.9		
			MIN	5048	-3669753.6	-310045.4	81054.2	-252798.7	-208435.0	-11734.4	
				5190	-2178172.0	-3552843.0	-59207.0	-147011.8	-377809.4	3692.7	
				5196	-563678.8	-446499.1	-139363.8	-112518.0	-1268904.2	-33786.9	
				4948	-38887.8	-874271.2	-510212.4	-48237.3	-1221892.5	-27390.4	
2155	3	3 env SL~1 MAX	4948	828088.2	2150902.2	448713.0	48245.4	1221900.4	47992.8		
			5196	2949564.3	512114.2	344121.1	125430.0	1299585.8	14283.4		
			5202	255444.5	127336.2	81695.9	348418.9	60580.7	645.1		
			4848	531003.3	143815.3	-124286.7	329705.0	37227.6	43603.4		
			MIN	4948	-286780.5	-57027.0	25580.9	-1115051.7	-52855.6	4567.6	
				5196	-605966.8	-80432.9	-258011.8	-1185955.6	-137447.8	-66911.0	
				5202	-893903.7	-2215434.7	-184368.3	-55283.8	-381802.0	-35983.8	
				4848	-2883748.8	-493980.7	-557810.2	-33961.7	-361284.1	-7018.7	
2156	3	3 env SL~1 MAX	4848	-105923.2	1462065.1	443808.7	33970.4	361294.7	13403.3		
			5202	1628861.3	597349.3	437695.1	57737.4	386449.3	5445.8		
			5208	945305.5	-21905.2	124507.1	97973.0	29951.9	2933.7		
			4748	654856.2	846137.5	-242461.6	92387.0	33981.4	13352.2		
			MIN	4848	-953483.2	43510.2	-27718.6	-329694.5	-37213.2	-3146.1	
				5202	-676813.3	-828464.4	-68742.9	-352659.9	-63269.4	-20507.4	
				5208	129598.2	-1481305.8	-206167.7	-27333.1	-107360.1	-9878.9	
				4748	-1609494.9	-617386.6	-628932.8	-30986.9	-101227.4	-2800.4	
2157	3	3 env SL~1 MAX	4748	-148394.5	1303220.8	462731.0	31010.4	101239.8	3272.0		
			5208	1144606.0	673364.7	496781.9	25223.0	109429.0	1640.6		
			5214	1221080.5	-88989.2	124802.4	32877.3	16168.6	2645.7		
			4648	692673.0	1007691.0	-336937.1	31703.0	17082.7	4661.7		
			MIN	4748	-1222068.7	94752.3	-10905.6	-92377.3	-33956.2	-3343.4	
				5208	-698509.2	-1003733.9	64469.8	-99861.0	-27639.7	-6624.1	
				5214	154709.8	-1307615.1	-234536.7	-14754.9	-36027.4	-2426.9	
				4648	-1140269.7	-678690.6	-679519.3	-15565.7	-34729.1	-524.5	

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2158	3	3	env SL~1	MAX	4648	-142204.3	1340226.9	490482.3	15589.1	34741.4	1644.2
					5214	971796.3	689736.5	532114.1	13305.4	37331.8	-330.5
					5220	1312650.0	-103479.8	99208.5	24422.4	-12149.6	1017.5
					4548	683569.0	1028798.1	-390979.7	25586.0	-12710.9	2872.5
				MIN	4648	-1311222.4	104724.4	46460.4	-31693.3	-17057.2	-1688.9
					5214	-684849.3	-1029479.6	153774.0	-34067.7	-14580.2	-3195.9
					5220	143568.1	-1338924.1	-261908.8	11087.3	-26762.4	-1708.1
					4548	-972543.1	-690904.9	-710247.8	11622.9	-28026.4	911.4
2159	3	3	env SL~1	MAX	4548	-110187.9	1335054.8	517567.6	-11599.5	28039.3	2129.5
					5220	922844.9	668113.0	569174.3	-12377.3	27476.3	-1556.9
					5226	1309918.0	-84422.7	60431.7	37615.5	-30129.0	-289.1
					4448	654417.5	1031816.9	-412207.6	39104.0	-31573.9	3213.1
				MIN	4548	-1307359.7	84687.8	124081.3	-25577.6	12736.5	118.6
					5220	-656975.8	-1034272.9	207445.8	-25073.9	13563.2	-2951.9
					5226	110478.4	-1332720.1	-282917.7	27494.6	-41219.6	-2188.0
					4448	-925536.2	-668439.1	-722006.5	28822.5	-42825.1	1942.0
2160	3	3	env SL~1	MAX	4448	-64570.9	1273519.1	538020.1	-28813.1	42850.5	2434.6
					5226	928037.4	621448.8	574619.7	-28864.8	42764.1	-2445.0
					5232	1249704.5	-43943.7	17766.5	62954.2	-39649.4	-629.2
					4348	596179.2	1049394.7	-417127.8	65553.4	-42038.7	5225.3
				MIN	4448	-1246394.0	44183.6	208261.4	-39080.6	31584.0	563.1
					5226	-599489.7	-1052546.7	230592.2	-39025.0	31630.4	-4509.8
					5232	64833.7	-1270498.0	-293688.7	36182.7	-68986.0	-2426.7
					4348	-931491.4	-621838.6	-758724.7	38372.2	-71809.0	2763.9
2161	3	3	env SL~1	MAX	4348	-12308.7	1195076.1	548075.1	-38362.7	71833.9	3020.9
					5232	961876.9	556701.2	546897.4	-37787.1	70894.4	-3223.1
					5238	1146121.3	11380.0	-22189.5	88460.3	-48678.0	-887.0
					4248	535110.3	1089416.3	-405837.1	93099.2	-52056.8	7501.5
				MIN	4348	-1142716.1	-11441.5	289629.2	-65530.0	42048.4	960.5
					5232	-535288.5	-1092212.8	225793.0	-64695.7	41407.6	-6598.2
					5238	12241.3	-1192055.4	-291311.3	44421.8	-96936.0	-3234.2
					4248	-964941.4	-556863.8	-772414.3	47512.5	-101994.4	3624.9
2162	3	3	env SL~1	MAX	4248	41996.0	1121862.6	545244.5	-47487.4	102018.5	4202.6
					5238	1012720.4	475676.4	481569.6	-45811.2	99471.9	-4163.6
					5244	1067319.5	80296.0	-54970.9	116019.0	-57481.4	-819.9
					4148	470382.0	1153356.8	-377464.2	125743.5	-65010.0	10448.4
				MIN	4248	-1067462.0	-82758.1	361354.9	-93075.6	52045.5	1260.4
					5238	-468047.7	-1152894.8	188431.6	-90774.5	50200.6	-9060.5
					5244	-44694.1	-1121992.6	-273435.5	52455.5	-127135.1	-4074.4

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				4148	-1012225.6	-473546.2	-746030.8	59334.2	-137767.0	4923.9		
2163	3	3	env SL~1 MAX	4148	89532.8	1014495.2	528129.3	-59319.3	137789.9	5181.0		
				5244	1079324.2	374168.3	370917.6	-53927.1	130758.3	-5770.7		
				5250	990610.4	165050.0	-77951.4	145962.5	-69789.8	301.1		
				4048	409272.5	1250395.0	-329614.3	170503.9	-89345.9	15098.2		
			MIN	4148	-1004391.3	-177140.1	417730.4	-125719.8	65010.7	1321.5		
				5244	-396585.1	-1237403.9	129825.2	-119325.4	59094.0	-12371.1		
				5250	-102562.2	-1027071.2	-237960.7	63687.7	-159947.6	-4007.7		
				4048	-1065201.3	-362590.2	-668773.8	81540.7	-186816.7	7687.6		
2164	3	3	env SL~1 MAX	4048	105836.8	845261.2	509471.3	-81515.5	186837.9	5369.9		
				5250	1164005.8	237960.5	228883.7	-67206.7	165763.5	-9422.8		
				5256	890583.9	278987.7	-90413.0	172184.3	-87057.9	4699.8		
				3048	376097.5	1409622.9	-257580.9	242860.7	-146223.2	24347.1		
			MIN	4048	-952193.2	-324292.4	417780.7	-170479.9	89333.3	674.5		
				5250	-325505.8	-1353512.7	33225.0	-151269.9	73646.0	-17665.9		
				5256	-154754.9	-900661.2	-184506.0	79445.9	-188681.9	-718.4		
				3048	-1103177.4	-193429.4	-523735.3	133444.4	-266107.3	14679.3		
2165	3	3	env SL~1 MAX	3048	24340.2	540004.1	469752.3	-133419.3	266125.8	2403.8		
				5256	1284487.1	35830.0	83693.1	-86910.5	199824.1	-17914.7		
				5262	785883.9	460421.9	-69891.2	167056.9	-97482.9	20078.1		
				1048	486028.6	1722504.1	-153116.8	385248.3	-299298.0	47071.5		
			MIN	3048	-1011251.0	-619322.8	381854.4	-242836.2	146209.6	-2392.8		
				5256	-307852.2	-1520965.1	-109595.7	-182352.3	95237.7	-28120.7		
				5262	-191477.3	-736226.2	-116882.0	88968.5	-183039.4	10410.9		
				1048	-1070430.4	117580.3	-371043.3	273134.2	-422139.3	33171.1		
2166	3	3	env SL~1 MAX	5008	-100230.1	5339130.8	742656.8	385316.6	159162.0	-2936.6		
				5125	1510871.4	3323817.5	1420114.1	384609.6	94110.3	40906.1		
				5126	851505.3	1454478.1	168966.2	67014.8	1220010.7	22559.5		
				4908	671965.2	829334.3	-390566.7	49812.9	1058132.8	4770.2		
			MIN	5008	-1524118.3	-1398017.1	-468610.4	-145699.7	-420871.3	-35943.7		
				5125	-770040.6	-886060.9	370594.5	-86147.1	-420100.3	16533.9		
				5126	202847.8	-5779168.6	-641481.2	-1116911.2	-73200.8	-52415.6		
				4908	-842800.8	-2883567.2	-1093239.7	-968699.7	-54400.9	-143933.2		
2167	3	3	env SL~1 MAX	4908	231641.0	402833.1	604579.6	968697.3	54416.8	755.8		
				5126	-129410.4	513462.6	814694.2	1127390.5	74558.2	79589.2		
				5127	2217551.0	309659.2	-359364.0	11257.2	441114.8	35820.0		
				4808	777730.1	2384635.0	-231822.8	5909.0	391278.6	2586.7		

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			MIN	4908	-2068442.7	-170365.2	-28492.6	-49808.9	-1058100.9	-38543.1		
				5126	-808801.0	-2523929.0	474066.2	-68257.5	-1231457.3	-5340.3		
				5127	-247904.6	-374388.0	-912417.3	-403837.5	-12296.3	-1039.4		
				4808	-22741.5	-495787.0	-656960.1	-358200.8	-6444.2	-50370.2		
2168	3	3	env SL~1 MAX	4808	74219.1	850308.6	598142.0	358203.4	6460.3	87.1		
				5127	678633.5	529296.9	656918.5	404219.0	12630.3	27007.7		
				5128	1417774.1	60386.1	-177051.3	3600.5	165087.1	14572.7		
				4708	552136.5	1636480.3	-282663.9	1850.7	149869.3	366.0		
			MIN	4808	-1372446.4	-65994.8	-32231.8	-5905.0	-391255.2	-16316.3		
				5127	-562828.4	-1678748.3	396042.3	-11562.9	-441531.5	-995.9		
				5128	-80345.5	-840520.2	-616115.5	-151136.1	-3932.8	-457.0		
				4708	-724803.2	-522917.4	-711506.5	-137193.4	-2010.5	-17462.3		
2169	3	3	env SL~1 MAX	4708	17931.3	1033656.3	610347.8	137197.6	2028.0	535.3		
				5128	927742.1	552520.2	624652.7	150351.5	3623.7	9074.2		
				5129	1170130.7	38507.8	-90272.2	8012.4	60576.8	6367.5		
				4608	527404.6	1356571.6	-329933.1	7589.5	55358.8	306.7		
			MIN	4708	-1155043.1	-41040.1	13706.5	-1846.6	-149850.1	-7371.5		
				5128	-524441.3	-1370564.8	360504.5	-3317.4	-164230.1	-310.5		
				5129	-20697.3	-1029402.4	-456018.9	-55457.6	-8752.0	-786.0		
				4608	-943027.0	-549807.3	-752424.3	-50669.8	-8278.9	-5751.4		
2170	3	3	env SL~1 MAX	4608	4900.0	1101770.8	629203.8	50674.6	8296.8	998.2		
				5129	1006162.6	562194.3	644026.8	54252.3	8298.9	2417.0		
				5130	1121201.8	27902.8	-62178.5	13780.8	16256.9	2928.3		
				4508	538193.6	1244656.1	-381295.5	13979.2	13760.3	787.3		
			MIN	4608	-1118181.3	-29128.6	86193.6	-7585.4	-55340.5	-3471.1		
				5129	-536855.9	-1250601.7	328521.6	-7597.5	-59260.2	-632.3		
				5130	-6239.0	-1099005.5	-452260.7	-14883.1	-15052.8	-1135.5		
				4508	-1012657.0	-560969.7	-778808.5	-12586.7	-15258.5	-1113.3		
2171	3	3	env SL~1 MAX	4508	11345.5	1110711.4	644477.1	12591.7	15276.3	1274.9		
				5130	1034939.2	557507.3	646552.1	13433.1	14746.0	-434.4		
				5131	1089960.6	29813.2	-67376.3	18324.5	-5083.9	1389.1		
				4408	528759.6	1199433.9	-420206.0	19534.0	-6933.3	2118.1		
			MIN	4508	-1087023.2	-30203.6	168895.0	-13975.1	-13742.3	-1660.8		
				5130	-528414.6	-1203336.0	305625.7	-13499.8	-14673.1	-1545.4		
				5131	-11772.0	-1108022.3	-458445.1	4654.2	-20016.0	-1321.8		
				4408	-1039201.5	-557191.4	-790422.7	6357.2	-21311.0	1047.4		
2172	3	3	env SL~1 MAX	4408	27282.9	1094071.1	651545.4	-6352.6	21350.9	1359.4		
				5131	1051387.1	541825.4	634495.2	-6143.2	21446.3	-1449.6		

AUTOSTRADA VALDASTICO A31 NORD
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			5132	1047163.6	41297.4	-88811.2	34610.3	-16225.9	693.0		
			4308	508925.0	1185070.6	-447452.8	36753.8	-18250.7	3723.2		
		MIN	4408	-1043668.9	-40998.8	250869.4	-19522.6	6949.6	-798.7		
			5131	-509401.6	-1188746.7	300800.5	-19634.0	6710.3	-3210.3		
			5132	-26956.7	-1090257.3	-456677.5	14854.7	-37805.1	-1333.3		
			4308	-1055402.5	-542261.7	-787201.7	16718.1	-40120.4	1632.2		
2173	3	3 env SL~1 MAX	4308	49484.2	1086550.0	647649.1	-16713.4	40159.9	1276.9		
			5132	1067650.7	518289.1	608844.6	-16632.5	39940.9	-1944.8		
			5133	1016564.8	59943.0	-115135.2	49353.1	-22786.7	442.0		
			4208	482403.5	1187651.0	-462036.6	52514.4	-24941.4	5314.0		
		MIN	4308	-1012172.6	-59107.1	324566.3	-36742.3	18266.8	-417.9		
			5132	-483531.9	-1191474.8	300716.2	-36565.6	18167.8	-4760.6		
			5133	-48571.1	-1082529.0	-445513.7	20861.0	-53908.7	-1268.4		
			4208	-1071827.5	-519322.2	-768818.6	22842.6	-57336.1	2129.8		
2174	3	3 env SL~1 MAX	4208	76969.0	1065784.0	630966.1	-22838.4	57375.0	1665.8		
			5133	1090803.6	489418.1	569568.2	-21988.6	56631.2	-2394.9		
			5134	988342.9	81710.9	-138876.3	63011.7	-21996.7	576.4		
			4108	448601.5	1202941.1	-461844.9	68218.7	-25286.3	7107.2		
		MIN	4208	-984346.7	-80964.5	384081.4	-52502.8	24956.3	-356.1		
			5133	-449787.3	-1206260.3	296106.2	-51845.5	24018.3	-6411.5		
			5134	-76153.7	-1062125.6	-424126.6	20137.8	-68828.2	-1608.1		
			4108	-1094429.2	-490503.7	-762779.8	23158.1	-74490.4	2626.0		
2175	3	3 env SL~1 MAX	4108	115084.8	1033423.2	615872.5	-23153.9	74528.4	1771.5		
			5134	1130489.9	459403.7	515628.5	-21301.4	72354.4	-2772.5		
			5135	941871.5	102109.3	-155367.1	71558.9	-13067.6	1558.2		
			4008	401020.4	1229502.9	-443605.9	82073.8	-20840.1	9297.8		
		MIN	4108	-941234.3	-103428.2	413732.1	-68207.0	25300.6	-756.4		
			5134	-400081.7	-1229626.8	279641.0	-66239.9	23267.7	-8268.3		
			5135	-116525.4	-1032839.8	-392209.7	11963.3	-78164.3	-1197.3		
			4008	-1130625.2	-458544.4	-722989.6	19087.3	-89625.1	3176.4		
2176	3	3 env SL~1 MAX	4008	185226.3	993439.5	603026.1	-19082.6	89661.4	566.5		
			5135	1213842.3	442227.7	444752.5	-13570.2	82787.9	-2902.1		
			5136	854353.6	106898.3	-162400.3	56405.9	22125.0	5099.2		
			3008	323391.0	1264435.9	-401816.6	83080.5	114.4	12147.3		
		MIN	4008	-867945.4	-117459.3	399550.5	-82061.7	20853.2	-2470.7		
			5135	-312359.4	-1251531.0	244214.4	-75791.7	14822.8	-10249.5		
			5136	-196472.9	-1005680.8	-360798.6	-20255.3	-61612.6	1768.3		
			3008	-1200035.5	-432330.3	-622571.5	-96.4	-90726.0	3872.8		

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2178 3 3 env SL~1 MAX 5110 267132.6 4476067.6 134650.1 225929.9 221173.4 12314.8
5138 167817.6 6588852.8 539711.9 324961.7 318112.5 26810.5
5142 1464535.7 1132941.4 -140093.3 140150.8 137191.4 -3850.0
5109 112228.0 1448119.9 1906583.8 165364.3 161888.1 -4507.6

MIN 5110 -702064.3 -1081886.7 -228784.7 -392848.2 -384543.8 1061.8
5138 16076.4 -1499174.6 -598259.2 -303244.7 -296829.1 13268.2
5142 -392976.3 -4900261.1 -1058568.9 -1461844.9 -1430976.2 -53250.4
5109 -932339.1 -6164659.3 -468589.1 -1282228.0 -1255142.3 -161645.3

2179 3 3 env SL~1 MAX 5109 -130903.1 188992.0 367077.4 1282204.1 1255138.6 11748.4
5142 1859208.8 -321563.4 572355.1 1521269.0 1489145.5 95477.4
5146 702935.3 3913908.7 214551.4 58529.1 57293.2 38386.5
5108 684521.5 1528944.8 1259045.9 66785.3 65389.6 4354.8

MIN 5109 -833726.8 -3697819.5 -1891227.8 -165390.2 -161882.0 -40804.2
5142 -654410.8 -1745034.0 358865.3 -132121.6 -129331.7 -3714.9
5146 102526.3 -161742.0 -275875.1 -458566.2 -448883.0 -7397.8
5108 -1649952.5 294313.5 -498264.0 -393183.0 -384866.8 -56675.6

2180 3 3 env SL~1 MAX 5108 -110797.6 35800.4 311516.8 393157.4 384869.0 4567.6
5146 778865.8 -332218.5 589050.3 468242.8 458355.2 28970.7
5150 1499686.9 2554611.6 221355.7 19120.4 18716.7 12106.0
5107 666801.9 884518.7 814667.9 21851.7 21404.8 1613.2

MIN 5108 -1567875.7 -2484951.8 -1360544.4 -66809.7 -65384.4 -12796.4
5146 -658132.4 -928726.3 345371.4 -56343.8 -55154.1 -1688.2
5150 103289.3 -28130.1 -267718.6 -137028.2 -134134.7 -2909.6
5107 -711838.2 263745.0 -486141.2 -116090.2 -113624.1 -16819.7

2181 3 3 env SL~1 MAX 5107 -93532.9 -18237.9 275478.6 116064.4 113628.3 1509.8
5150 491080.9 165786.3 590879.3 139579.2 136631.8 8321.2
5154 1776452.5 2049245.5 204331.5 -2488.5 -2435.9 4382.1
5106 758413.9 766502.3 515860.2 897.8 914.0 293.7

MIN 5107 -1799762.9 -2025432.2 -992549.1 -21876.4 -21399.9 -4364.5
5150 -743079.2 -782167.8 313118.6 -18333.2 -17946.0 -309.3
5154 91994.8 19809.2 -263394.7 -45044.3 -44093.1 -768.7
5106 -468200.1 -189160.6 -461419.8 -37939.8 -37123.3 -4688.5

2182 3 3 env SL~1 MAX 5106 -64432.4 -21997.9 251021.4 37913.4 37128.2 -43.7
5154 467447.6 385430.5 577616.9 45277.9 44321.8 2331.0
5158 1791289.1 1822271.9 171451.0 -14224.0 -13923.6 2604.5
5105 769792.6 705298.6 316188.1 -12180.6 -11888.2 375.8

MIN 5106 -1800767.0 -1812589.6 -727846.0 -957.1 -901.8 -2364.5
5154 -763197.5 -712036.0 282386.8 2586.3 2531.6 -301.8

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			5158	64427.6	22002.8	-260872.0	-24732.4	-24210.2	449.4		
			5105	-458174.3	-394903.8	-427419.9	-21712.1	-21238.2	-1322.4		
2183	3	3 env SL~1 MAX	5105	-23727.3	2167.9	233009.6	21685.7	21243.3	-994.5		
			5158	528799.6	515532.6	551216.5	24094.2	23585.4	1485.1		
			5162	1722115.6	1684959.0	130015.0	-20139.6	-19714.3	2723.8		
			5104	718908.5	640312.9	183436.8	-18690.1	-18276.8	-113.0		
		MIN	5105	-1727645.5	-1679309.9	-531698.7	12121.2	11900.5	-2355.5		
			5158	-714671.6	-644641.2	261508.3	13162.9	12885.0	153.0		
			5162	23734.3	-2175.0	-258490.1	-31102.2	-30445.4	1273.8		
			5104	-523423.1	-521025.1	-386563.7	-29277.2	-28623.8	-1526.3		
2184	3	3 env SL~1 MAX	5104	25490.7	43107.7	218374.7	29217.9	28636.1	-1691.5		
			5162	614876.6	617249.0	513706.7	29720.3	29092.7	1657.0		
			5166	1628527.5	1575869.2	109325.8	-24542.9	-24024.6	4124.5		
			5103	634105.0	554839.1	95610.3	-22979.8	-22476.0	-89.6		
		MIN	5104	-1633287.2	-1571006.9	-382029.8	18663.6	18288.1	-3574.9		
			5162	-629963.1	-559070.3	245311.5	19040.6	18638.5	112.7		
			5166	-25972.7	-42615.4	-255730.3	-48896.3	-47863.8	1931.9		
			5103	-610284.2	-621940.5	-340511.9	-46646.8	-45626.7	-1640.3		
2185	3	3 env SL~1 MAX	5103	80507.6	95155.5	205882.4	46587.7	45639.1	-2291.5		
			5166	706280.2	710680.4	466531.6	47128.6	46133.4	1676.1		
			5170	1529394.2	1474467.7	86163.9	-29259.5	-28641.7	5686.8		
			5102	524406.0	444180.8	38072.3	-27298.1	-26703.2	-182.6		
		MIN	5103	-1534324.8	-1469430.7	-264298.6	22953.4	22487.3	-5071.9		
			5166	-519479.1	-449214.0	230947.8	23176.5	22687.1	185.0		
			5170	-81512.9	-94128.4	-252556.5	-67424.5	-66000.8	2546.2		
			5102	-701557.7	-715504.9	-301182.7	-64385.8	-62991.3	-1835.9		
2186	3	3 env SL~1 MAX	5102	140101.2	156784.0	194100.8	64327.1	63003.7	-2907.4		
			5170	798037.9	803562.2	410224.6	65129.3	63754.0	2295.5		
			5174	1429084.5	1372534.0	55097.6	-35011.6	-34272.3	7483.0		
			5101	392118.6	360602.0	1001.7	-32128.3	-31431.5	-207.7		
		MIN	5102	-1434079.1	-1367431.7	-166859.0	27272.0	26714.5	-6743.8		
			5170	-390821.3	-361927.3	216742.2	27585.5	27003.0	269.9		
			5174	-141052.2	-155812.5	-249362.1	-87388.0	-85542.7	3266.1		
			5101	-793293.7	-808314.4	-263933.7	-83039.3	-81251.0	-2418.1		
2187	3	3 env SL~1 MAX	5101	203085.5	227747.0	183155.6	82981.0	81263.5	-3724.7		
			5174	891095.5	901754.0	344041.3	84352.9	82571.7	2790.3		
			5178	1325754.7	1264801.8	12674.9	-43179.5	-42267.7	9561.6		
			5100	319058.1	280476.8	-22278.2	-37893.2	-37074.7	-37.7		

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			MIN	5101	-1329327.9	-1261151.4	-101559.9	32102.3	31442.8	-8636.1		
				5174	-319495.7	-280029.7	201528.5	32919.7	32224.5	258.4		
				5178	-202077.0	-228777.2	-247011.4	-107496.4	-105226.5	4401.2		
				5100	-887766.0	-904821.2	-214280.5	-100563.9	-98405.8	-2721.5		
2188	3	3	env SL~1	MAX	5100	273876.4	315216.6	174115.1	100506.2	98418.3	-5102.5	
					5178	993270.8	1013492.9	265419.6	103349.9	101167.5	2707.5	
					5182	1214355.6	1151012.3	-46669.1	-55643.8	-54468.8	11722.0	
					5099	239459.2	189811.8	-36387.2	-43444.5	-42509.0	973.2	
				MIN	5100	-1212068.9	-1153348.3	-24650.7	37867.4	37086.1	-10565.6	
					5178	-246780.0	-182333.0	178671.8	40381.3	39528.6	29.1	
					5182	-264738.6	-325365.7	-247030.8	-117948.7	-115458.0	6354.7	
					5099	-997374.5	-1008486.6	-153224.1	-104788.4	-102541.5	-1948.0	
2189	3	3	env SL~1	MAX	3008	344000.8	964313.1	569805.5	102.2	90758.7	-5234.0	
					5136	1414960.0	487831.3	352799.4	18244.0	67842.6	-2242.0	
					5137	657037.3	47920.3	-160688.1	-47153.3	144641.2	17209.0	
					1008	166799.6	1294190.5	-327062.9	32467.8	73893.6	16346.2	
				MIN	3008	-722539.8	-92761.3	367628.2	-83067.4	-102.5	-8382.1	
					5136	-117859.7	-1234186.6	181158.4	-62109.4	-19928.1	-11784.0	
					5137	-391667.1	-1023264.6	-349206.5	-132408.6	51530.8	11847.9	
					1008	-1350731.1	-444042.7	-498889.1	-67642.6	-35443.9	5193.2	
2190	3	3	env SL~1	MAX	5099	357459.5	424398.2	169396.2	104731.3	102554.0	-7015.3	
					5182	1118773.8	1140774.3	180424.9	111869.1	109506.8	621.5	
					5186	1077282.1	1026482.5	-131377.4	-74317.6	-72729.9	13471.0	
					5124	143815.8	82305.6	-42110.7	-33628.5	-32904.6	4701.2	
				MIN	5099	-1052882.4	-1051408.6	82062.6	43419.0	42520.3	-11510.6	
					5182	-176366.5	-49052.7	135863.3	51320.6	50236.9	-1367.1	
					5186	-321229.8	-464147.3	-252115.2	-123802.1	-121173.6	9686.8	
					5124	-1146852.5	-1109352.0	-79158.9	-69605.3	-68121.7	2628.6	
2191	3	3	env SL~1	MAX	5125	-178030.7	5783480.0	460805.3	310523.6	183665.6	-16522.7	
					5110	668633.6	4091010.6	133626.6	226679.4	322574.3	-1056.2	
					5109	827114.9	1183757.8	1834700.7	89079.1	1163430.2	108677.7	
					5126	526519.3	912810.2	-124958.3	88057.7	1293403.3	11486.9	
				MIN	5125	-377216.9	-1303338.7	-630120.0	-168134.3	-339176.4	-40894.4	
					5110	-310435.1	-793803.6	-111985.2	-295299.9	-247592.7	-12308.8	
					5109	-34167.7	-5755453.4	-403585.7	-1065096.9	-97292.5	-7492.1	
					5126	-1123925.4	-4117442.6	-1074132.7	-1184101.6	-96186.1	-14915.2	
2192	3	3	env SL~1	MAX	5126	118407.4	169525.5	269865.2	1173622.3	94828.7	4488.2	

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5109 505865.6 681631.3 521636.5 1065124.7 97287.1 47377.6
5108 1674919.1 836587.0 1375340.5 19026.3 424183.8 52224.7
5127 444811.6 3231363.6 441328.0 18384.8 458537.4 2927.8

MIN 5126 -1768388.3 -923546.6 101944.9 -86815.0 -1281956.7 -78211.8
5109 -415588.7 -3144404.0 -1867146.9 -89057.2 -1163427.2 -4759.6
5108 -121336.4 -171715.6 -307931.2 -388324.6 -20772.6 -3047.5
5127 -411859.5 -679441.2 -446832.4 -419787.7 -20081.8 -39401.0

2193 3 3 env SL~1 MAX 5127 -28637.5 696037.5 264407.4 419406.2 19747.9 1267.5
5108 957359.5 642401.8 502820.5 388352.4 20767.9 17829.4
5107 1205649.1 -78311.4 1054129.1 5646.8 160775.9 19389.4
5128 551173.5 1991516.7 355594.9 5251.7 169855.1 488.8

MIN 5127 -1230292.6 75972.0 -80833.9 -18079.0 -458120.7 -27893.1
5108 -549092.7 -1968521.4 -1279132.3 -19003.7 -424186.5 -851.0
5107 26082.1 -702156.2 -259607.8 -147178.1 -6157.2 -1072.1
5128 -932518.2 -640496.8 -468347.3 -155501.1 -5736.4 -14397.0

2194 3 3 env SL~1 MAX 5128 -64088.7 1000586.9 260231.5 156311.7 6068.3 860.5
5107 1007850.3 629093.3 474355.7 147204.4 6152.6 6522.8
5106 1144417.6 -62172.0 815323.6 7627.6 59794.2 7807.7
5129 586667.1 1461688.4 273458.8 7577.6 61588.2 309.1

MIN 5128 -1149502.4 60592.7 -164177.8 -5555.5 -170740.5 -10784.6
5107 -585125.1 -1456865.8 -877856.2 -5622.7 -160780.3 -253.9
5106 62363.7 -1000901.9 -227068.7 -54730.3 -8320.5 -920.9
5129 -1002656.2 -627681.5 -465946.6 -56383.5 -8277.1 -4937.5

2195 3 3 env SL~1 MAX 5129 -54996.0 1135340.2 255190.4 57588.8 8730.2 1027.7
5106 978411.1 609105.4 438752.7 54756.7 8315.9 1768.9
5105 1165281.4 -42748.0 630577.9 12283.5 16703.1 3403.1
5130 576093.0 1221532.8 201476.6 12561.2 16249.3 713.3

MIN 5129 -1164577.5 41818.3 -184646.7 -7992.4 -62904.7 -4535.3
5106 -575188.4 -1222088.6 -602519.7 -7602.9 -59799.3 -552.8
5105 53980.4 -1133861.3 -203592.8 -15280.8 -13406.2 -1094.6
5130 -979018.1 -608277.3 -447495.9 -14876.1 -13720.7 -956.4

2196 3 3 env SL~1 MAX 5130 -26008.5 1214767.6 248042.2 16326.1 14027.6 1189.2
5105 953622.7 576877.7 397369.4 15307.3 13401.6 -510.0
5104 1182184.9 -13489.8 483816.3 16974.8 -3914.4 1597.9
5131 544248.2 1115580.8 141795.3 18229.6 -5076.5 2046.0

MIN 5130 -1179416.3 13240.1 -171246.5 -12842.2 -17833.1 -2066.4
5105 -544091.9 -1118008.8 -412673.4 -12258.9 -16708.5 -1518.5
5104 25735.8 -1212233.0 -184508.9 3593.4 -18515.4 -1211.8
5131 -956274.8 -576734.7 -417379.1 4647.5 -19912.3 959.6

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2197 3 3 env SL~1 MAX 5131 12934.7 1242880.8 237594.0 -3161.6 18448.2 1224.5
5104 950048.1 533773.2 350799.7 -3569.2 18503.1 -1280.2
5103 1178035.2 25075.5 364675.3 32355.5 -14732.0 823.2
5132 501108.0 1079154.0 95028.2 34169.2 -16259.9 3511.6

MIN 5131 -1174078.2 -24546.5 -174779.9 -16889.2 3453.4 -1031.7
5104 -501844.1 -1082631.8 -281595.2 -16915.4 3909.4 -3021.8
5103 -12356.8 -1239258.2 -166685.8 13496.8 -35316.0 -1207.2
5132 -953846.9 -534447.0 -377843.5 14885.8 -37323.3 1437.9

2198 3 3 env SL~1 MAX 5132 58083.3 1229688.5 223132.2 -13108.1 35187.6 1134.9
5103 967525.1 482011.6 299105.9 -13472.7 35303.6 -1717.8
5102 1152637.8 70202.5 265655.0 46180.3 -21081.2 492.1
5133 450133.0 1083413.6 61431.8 48407.8 -21921.1 4917.4

MIN 5132 -1147455.4 -68671.8 -165614.5 -32214.0 14318.0 -600.7
5103 -452030.5 -1087951.6 -191941.4 -32296.3 14726.9 -4422.5
5102 -56411.4 -1224944.1 -148178.1 19308.7 -50417.3 -1110.1
5133 -972482.0 -483748.7 -329828.2 20068.6 -52876.2 1838.9

2199 3 3 env SL~1 MAX 5133 110144.4 1189395.0 204709.0 -18696.1 50153.7 1407.3
5102 1004769.6 423463.8 241969.3 -19286.7 50404.8 -2032.5
5101 1106778.7 119906.0 225009.6 59362.4 -20819.8 350.8
5134 390229.1 1113842.2 41340.8 61454.6 -20845.4 6300.2

MIN 5133 -1099625.4 -116737.9 -146927.1 -45915.4 20421.9 -458.5
5102 -394026.5 -1120082.6 -132375.4 -46121.6 21076.8 -5837.5
5101 -106683.8 -1182846.3 -128060.8 19069.2 -64816.4 -1627.7
5134 -1011586.0 -426940.3 -274001.2 19083.8 -67127.3 2033.6

2200 3 3 env SL~1 MAX 5134 176056.9 1131500.0 182499.3 -17920.2 63601.1 1725.2
5101 1065728.8 361067.3 178769.7 -19047.4 64803.9 -2005.0
5100 1035607.7 171130.0 174073.9 68919.5 -15479.7 248.0
5135 313456.7 1160518.8 35198.6 68734.2 -11923.2 7288.7

MIN 5134 -1023925.6 -164235.8 -117945.7 -58226.4 19574.4 -510.3
5101 -321538.1 -1170709.5 -95493.6 -59304.1 20815.3 -7131.0
5100 -168549.1 -1120805.1 -106447.6 14180.3 -75256.0 -2045.1
5135 -1076823.8 -368465.8 -210913.8 10915.6 -75078.9 1570.2

2201 3 3 env SL~1 MAX 5135 282119.5 1071909.6 158371.1 -9308.8 70455.4 1525.7
5100 1170816.6 304575.2 108890.7 -14158.7 75243.5 -792.2
5099 922917.8 214680.1 103441.5 60385.4 5622.5 -12.8
5136 197886.2 1207489.5 43668.7 50058.5 22909.8 6220.3

MIN 5135 -898261.1 -197006.7 -73129.5 -64501.4 10168.1 -894.7

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				5100	-218047.8	-1229278.1	-76753.9	-68861.8	15475.2	-7436.4		
				5099	-262386.1	-1049091.8	-85001.2	-5138.8	-65934.5	-2196.6		
				5136	-1195045.1	-323277.8	-139183.9	-20973.8	-54679.3	-1150.7		
2202	3	3	env SL~1	MAX	5136	499816.0	1060559.6	136446.6	22985.1	48449.4	-439.5	
					5099	1374469.4	288539.3	33725.8	5160.2	65922.0	4409.8	
					5124	716316.4	219121.4	-1051.2	-15723.5	79061.2	-664.7	
					5137	-27331.8	1205881.3	71875.3	-64252.1	144696.2	-2824.6	
				MIN	5136	-649251.6	-166112.3	-215.6	-44355.0	-25106.8	-1948.7	
					5099	-31830.5	-1266125.1	-75171.2	-60328.3	-5627.2	-3513.9	
					5124	-439959.3	-997998.5	-67459.0	-72370.7	17199.6	-1537.6	
					5137	-1442097.6	-343865.7	-58338.2	-132458.9	70207.9	-11517.1	
2203	3	3	env SL~1	MAX	5138	976325.3	3382606.1	1561911.3	509796.9	499044.6	-13256.5	
					5139	489861.3	5372743.8	1034369.4	621784.5	608667.8	59566.8	
					5143	3746430.3	967224.3	-704723.0	-2702.3	-2645.3	21453.3	
					5142	1640533.0	1440701.9	-620106.9	41302.1	40429.9	-27891.0	
				MIN	5138	-3529927.1	-954165.4	555053.1	-169873.3	-166274.2	-26797.8	
					5139	-1857869.1	-1453760.8	674364.0	-14826.4	-14500.0	32624.0	
					5143	-998107.1	-3476950.7	-1438847.3	-2051878.3	-2008550.2	-8065.7	
					5142	-468079.5	-5278399.1	-1027396.5	-1949811.7	-1908638.9	-140708.6	
2204	3	3	env SL~1	MAX	5139	1264901.7	2343816.2	1218864.4	746186.0	730442.4	-32612.2	
					5140	681588.1	4244654.6	1473221.6	783601.1	767068.3	70929.1	
					5144	4751278.6	905316.7	-776027.6	-114998.6	-112570.2	89427.0	
					5143	2742855.4	1456298.0	-861914.2	-97615.8	-95554.5	-26241.1	
				MIN	5139	-4753431.2	-906887.6	733219.8	153308.6	150084.5	-59554.2	
					5140	-2741678.6	-1454727.1	945597.8	215445.7	210910.1	39775.0	
					5144	-1248837.9	-2275634.5	-1299872.5	-2282919.2	-2234712.4	9847.9	
					5143	-697523.0	-4312836.2	-1351337.7	-2260228.8	-2212501.1	-103044.7	
2205	3	3	env SL~1	MAX	5140	1325380.3	1458141.6	1380731.8	740913.7	725282.3	-39763.3	
					5141	757063.3	3162975.4	2092515.8	655548.8	641721.1	46592.5	
					5145	5547199.0	718750.4	-865574.9	-60354.7	-59080.2	133242.3	
					5144	3654973.3	1274142.6	-996173.9	-93602.5	-91626.0	-3926.0	
				MIN	5140	-5572438.3	-734474.8	836475.2	181897.7	178070.5	-70917.0	
					5141	-3631380.2	-1258418.2	902161.1	63448.5	62124.5	24452.9	
					5145	-1300705.2	-1315055.1	-1396138.7	-2129884.8	-2084909.5	27869.6	
					5144	-781142.1	-3306061.8	-1887642.8	-2196349.3	-2149970.5	-48869.2	
2206	3	3	env SL~1	MAX	5141	1397453.7	-157040.3	694172.1	449413.7	439938.7	-24441.3	
					5123	909008.4	721846.3	200803.4	301677.3	295320.9	-2624.5	
					5122	6555827.5	840427.5	1932438.3	75597.6	74014.1	170989.2	

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5145 5174383.5 564359.0 -353585.4 37712.7 36916.4 34705.1

MIN 5141 -6838449.9 -217774.6 -403934.7 -112741.1 -110344.6 -46580.9
5123 -4892269.5 -406390.8 -108792.1 -273747.6 -267947.1 -11944.4
5122 -1308437.9 9963.5 -456879.6 -1505858.4 -1474039.4 13251.1
5145 -997617.5 -1393960.6 -1414295.3 -1693769.9 -1658003.8 -400.8

2207 3 3 env SL~1 MAX 5142 952261.3 -71012.2 1601708.2 1890387.6 1850469.7 8805.0
5143 3197072.6 -623945.8 1478244.2 2063975.3 2020391.8 116222.5
5147 121994.1 3696576.0 -583060.4 10624.4 10400.1 60885.0
5146 685613.3 1504646.0 -591849.8 26885.6 26317.8 -1642.9

MIN 5142 -179944.7 -3535784.1 388371.3 -49167.2 -48129.0 -76502.3
5143 -627662.7 -1665437.9 830428.6 12195.0 11937.5 6313.9
5147 -1107657.4 125716.6 -1304952.4 -641855.8 -628302.2 -4086.7
5146 -3041676.4 569241.4 -1730036.6 -597170.5 -584560.4 -74574.2

2208 3 3 env SL~1 MAX 5143 1487115.3 -77632.8 1148287.9 2248131.8 2200659.6 -1510.3
5144 3623824.0 -622901.3 1530307.3 2279869.9 2231727.5 113345.8
5148 -171054.7 3818013.4 -737649.6 -24357.6 -23843.2 77120.6
5147 388887.5 1726625.9 -884792.7 -18242.6 -17857.4 -4306.8

MIN 5143 147034.5 -3784884.7 702121.3 88123.1 86262.3 -107340.4
5144 -364867.3 -1759754.6 961196.8 113007.5 110621.2 7831.1
5148 -1517552.7 99571.0 -1183226.7 -717635.4 -702481.6 1715.5
5147 -3593386.6 600963.1 -1415611.4 -708797.0 -693829.9 -78268.4

2209 3 3 env SL~1 MAX 5144 1681930.0 131692.0 1727724.9 2199398.6 2152955.5 -8359.7
5145 3632315.5 -336710.8 1973669.4 2074628.3 2030819.9 88416.7
5149 -346031.6 3331096.8 -727594.7 -5797.9 -5675.5 79721.0
5148 139408.5 1416656.1 -902719.2 -17695.9 -17322.3 -374.0

MIN 5144 385724.1 -3439929.0 928004.5 95593.6 93575.0 -119840.8
5145 -179419.1 -1307823.9 747272.8 51673.6 50582.4 -1664.3
5149 -1574193.6 -171473.0 -2064148.0 -656905.4 -643034.0 3715.6
5148 -3739521.7 376491.7 -1591850.9 -687122.2 -672612.7 -66851.3

2210 3 3 env SL~1 MAX 5145 2103297.2 308327.9 818921.0 1749026.4 1712093.4 -2429.1
5122 4104065.5 420877.4 438503.5 1505822.0 1474045.6 49530.9
5121 -242689.0 1783352.0 1207071.9 37574.5 36794.0 66207.1
5149 215287.8 213022.0 58797.1 24905.3 24379.4 4237.6

MIN 5145 283981.1 -1993355.8 458296.7 -29009.6 -28397.0 -108472.1
5122 -256580.0 -156380.9 -1932672.4 -75619.3 -74009.6 -8134.3
5121 -1895482.2 -351179.4 -445858.2 -465341.7 -455498.8 -665.2
5149 -4311880.5 -212877.8 -494229.0 -531429.0 -520207.2 -44325.6

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2211 3 3 env SL~1 MAX 5146 -149931.4 -84289.5 1143499.9 587493.9 575088.2 3671.4
5147 1393159.4 -121009.2 1346791.4 644653.0 631040.3 36026.9
5151 935450.9 2240871.9 -511892.0 3171.7 3104.8 19268.0
5150 716875.8 885814.2 -611169.1 8505.5 8325.9 -343.3

MIN 5146 -978106.2 -2186583.3 395502.3 -29070.8 -28457.0 -23937.6
5147 -699000.0 -929389.7 802735.0 -8544.2 -8363.7 1618.2
5151 132732.9 101051.1 -1054818.0 -196977.8 -192818.3 -1842.4
5150 -1341485.3 68220.5 -1390510.0 -181442.7 -177611.3 -22688.8

2212 3 3 env SL~1 MAX 5147 23256.2 -15647.0 1131460.5 705999.8 691091.7 214.1
5148 1682920.3 -5707.9 1504655.8 715932.3 700814.5 35063.8
5152 597491.5 2122674.3 -692103.3 -8945.4 -8756.5 24600.7
5151 558119.6 761453.5 -884599.5 -6746.9 -6604.5 -1228.1

MIN 5147 -614710.7 -2110714.3 660972.1 16063.0 15723.8 -34109.1
5148 -551381.6 -779044.2 956606.4 24130.6 23621.0 2138.4
5152 -29315.4 21650.3 -1163978.1 -222640.7 -217939.3 138.7
5151 -1671891.7 -5372.0 -1397732.8 -219159.8 -214532.0 -23943.6

2213 3 3 env SL~1 MAX 5148 200576.3 155562.1 1450875.7 688825.2 674279.8 -1979.7
5149 1882721.5 332654.9 1512333.3 646269.3 632622.5 26673.2
5153 250454.7 1751357.3 -651925.5 -3287.8 -3218.4 25464.6
5152 355859.6 391090.5 -855586.0 -7104.6 -6954.6 60.1

MIN 5148 -230048.2 -1787061.7 824460.8 17922.9 17544.5 -38273.1
5149 -369939.8 -376706.6 727379.8 3697.5 3619.4 -1016.5
5153 -186257.7 -169518.4 -1535929.4 -202552.8 -198275.6 793.7
5152 -1917910.4 -297378.1 -1403359.0 -212159.2 -207679.2 -20107.1

2214 3 3 env SL~1 MAX 5149 246850.5 260569.3 631868.6 542065.1 530618.7 -42.3
5121 2382518.3 1209962.6 417384.3 465313.3 455504.3 14695.4
5120 33813.0 970394.9 788759.3 10618.0 10408.2 20955.5
5153 307014.9 242645.5 -17896.9 6561.2 6422.7 1542.9

MIN 5149 -7362.3 -1033407.8 333086.8 -22804.8 -22323.3 -34125.8
5121 -320895.1 -228445.4 -1216918.8 -37596.4 -36789.6 -3146.2
5120 -196102.0 -277049.8 -376363.3 -141801.3 -138791.3 -617.2
5153 -2446452.8 -1144669.2 -497510.6 -162055.9 -158633.8 -13088.8

2215 3 3 env SL~1 MAX 5150 -128905.1 -76453.7 849522.5 178891.7 175114.2 1202.1
5151 783752.2 326632.9 1226676.9 197521.8 193350.8 10707.4
5155 1395204.2 1804735.4 -439295.9 -8749.5 -8564.7 6761.3
5154 697227.2 724727.4 -606161.5 -6679.8 -6538.7 -556.2

MIN 5150 -1413883.2 -1785653.4 388780.6 -9292.7 -9096.5 -7932.6
5151 -692167.2 -739777.3 765437.6 -2436.1 -2384.6 804.7
5155 124349.9 81107.3 -877196.8 -65469.8 -64087.3 -380.1

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				5154	-765577.9	-345199.2	-1154039.2	-59422.9	-58168.1	-6597.9		
2216	3	3	env SL~1	MAX	5151	-16702.6	2636.4	1074487.9	218615.8	213999.5	17.1	
					5152	1020987.4	506482.7	1429376.4	221593.6	216914.4	10439.0	
					5156	1137552.5	1608132.0	-638525.2	-13765.4	-13474.8	8548.5	
					5155	594997.5	563056.2	-853092.6	-12737.5	-12468.5	-897.2	
				MIN	5151	-1142659.8	-1602914.6	614246.5	6011.3	5884.3	-11302.8	
					5152	-593604.7	-564479.0	918247.0	8876.1	8688.7	1007.9	
					5156	15558.2	-1533.0	-1100616.4	-75032.1	-73447.7	332.4	
					5155	-1016192.8	-511380.7	-1334610.9	-73088.2	-71544.8	-7078.4	
2217	3	3	env SL~1	MAX	5152	123346.3	140636.6	1235938.6	213206.2	208704.1	-767.2	
					5153	1274425.9	802850.9	1213270.7	198607.2	194413.4	7679.1	
					5157	867356.9	1293185.9	-597081.1	-12993.5	-12719.1	8893.7	
					5156	432667.6	401000.5	-804530.4	-13915.3	-13621.5	-466.2	
				MIN	5152	-856729.6	-1304042.4	706882.3	7173.9	7022.4	-12713.0	
					5153	-437987.0	-395566.3	699811.6	2602.6	2547.6	22.9	
					5157	-117930.9	-146168.9	-1185443.9	-69350.1	-67885.7	606.6	
					5156	-1285149.2	-792110.6	-1271031.6	-71726.7	-70212.1	-5852.5	
2218	3	3	env SL~1	MAX	5153	174372.2	224202.6	467011.3	166001.5	162496.1	-186.1	
					5120	1669299.6	1314354.2	348235.1	141774.8	138796.8	4081.5	
					5119	546374.3	856148.5	557875.1	-4302.3	-4176.1	7366.4	
					5157	341366.8	277083.4	-59556.1	-7822.9	-7657.7	872.4	
				MIN	5153	-529171.7	-873722.2	236849.4	-5876.0	-5751.9	-11240.1	
					5120	-346325.9	-272017.3	-793993.6	-10642.4	-10403.2	-1487.4	
					5119	-167991.0	-230721.5	-286790.0	-50707.6	-49621.2	222.1	
					5157	-1687924.3	-1295327.7	-464909.6	-56422.4	-55230.9	-3762.1	
2219	3	3	env SL~1	MAX	5154	-86379.2	-49289.4	663314.6	59229.7	57979.0	-208.2	
					5155	601024.8	476171.4	1123048.4	65177.8	63801.5	3156.8	
					5159	1586937.6	1663049.7	-389355.2	-19001.0	-18599.7	3516.0	
					5158	699916.3	663079.2	-585539.3	-16660.9	-16309.1	13.2	
				MIN	5154	-1594403.4	-1655422.8	325054.1	6420.0	6284.4	-3625.8	
					5155	-694242.3	-668875.6	722332.4	8991.5	8801.6	244.1	
					5159	85363.9	50326.6	-751328.5	-32809.2	-32116.4	664.8	
					5158	-593755.8	-483597.3	-980482.2	-29709.5	-29082.2	-1967.9	
2220	3	3	env SL~1	MAX	5155	-5581.9	21582.0	1003001.3	73380.2	71830.7	-689.1	
					5156	811204.9	666359.4	1327410.4	74184.8	72618.3	3160.1	
					5160	1352863.2	1450340.9	-586650.1	-22259.6	-21789.6	4164.8	
					5159	579317.7	537781.1	-803588.3	-21090.2	-20644.9	-210.6	

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

MIN 5155 -1356055.6 -1447079.6 569281.8 12495.5 12231.6 -4789.7
5156 -579293.2 -537806.1 861832.3 13744.8 13454.6 308.9
5160 5674.1 -21703.2 -1022084.4 -37515.4 -36723.3 998.4
5159 -808155.6 -669474.5 -1244783.3 -35872.4 -35114.9 -2236.2

2221 3 3 env SL~1 MAX 5156 103116.1 129829.4 1070457.6 72574.0 71041.5 -1024.1
5157 1062690.2 930709.0 1050319.8 67468.1 66043.4 2308.2
5161 1092170.0 1176080.4 -523769.6 -22581.9 -22105.0 4375.6
5160 450255.8 408587.6 -752415.7 -21942.1 -21478.7 65.7

MIN 5156 -1089946.7 -1178351.7 616656.9 13935.9 13641.7 -5342.3
5157 -452378.2 -406419.4 665898.7 12782.3 12512.3 -381.2
5161 -100936.0 -132056.5 -951601.6 -37227.2 -36441.1 1179.1
5160 -1064971.2 -928441.8 -1148097.4 -36945.7 -36165.6 -1900.8

2222 3 3 env SL~1 MAX 5157 162510.0 200750.2 363838.1 58297.0 57066.0 -934.4
5119 1350520.6 1251756.3 259775.2 50681.3 49626.7 1320.9
5118 862850.8 914330.7 438171.1 -18984.0 -18547.8 3852.3
5161 348646.1 296711.2 -74850.3 -19332.6 -18924.4 372.2

MIN 5157 -859897.4 -917347.8 161724.1 9727.1 9521.7 -4819.9
5119 -350342.3 -294978.5 -553424.7 4243.4 4189.1 -977.2
5118 -159826.3 -203627.6 -193630.1 -32396.6 -31696.9 1156.8
5161 -1354461.6 -1247730.3 -392259.3 -33425.1 -32719.3 -1652.8

2223 3 3 env SL~1 MAX 5158 -33503.0 -8067.4 546485.6 30347.8 29707.0 -1157.3
5159 577604.0 551027.4 1030186.3 32173.8 31494.4 1765.8
5163 1615342.8 1592821.0 -354916.7 -23256.6 -22765.5 3141.6
5162 675841.1 605460.5 -555234.1 -21233.3 -20784.9 -311.5

MIN 5158 -1619367.0 -1588710.0 275527.0 17722.0 17347.8 -2943.9
5159 -672837.5 -608528.9 664095.9 18448.3 18058.8 358.2
5163 33296.3 8278.6 -661100.9 -35114.4 -34372.9 1478.6
5162 -573690.7 -555025.2 -876416.4 -32532.8 -31845.8 -1757.9

2224 3 3 env SL~1 MAX 5159 27258.3 50267.6 929086.2 36507.8 35736.9 -1436.7
5160 764664.2 730746.8 1212303.6 36692.9 35918.0 1936.3
5164 1403403.8 1388862.8 -540214.1 -26053.5 -25503.3 3440.0
5163 541255.1 503375.6 -745159.1 -24408.3 -23892.8 -516.3

MIN 5159 -1406304.1 -1385899.9 528847.6 21367.3 20916.1 -3406.0
5160 -541244.8 -503386.1 797401.3 21754.0 21294.6 506.0
5164 -27176.2 -50365.6 -942031.4 -38704.5 -37887.2 1711.7
5163 -761870.2 -733601.1 -1140204.3 -36617.5 -35844.3 -1966.1

2225 3 3 env SL~1 MAX 5160 108946.4 131931.8 942508.2 37768.3 36970.8 -1655.2
5161 994717.2 963737.2 932714.4 35939.7 35180.8 1985.3

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5165 1169023.5 1151136.3 -445834.2 -27990.3 -27399.2 3632.8
5164 440666.7 402670.4 -685224.8 -26526.2 -25966.1 -520.3

MIN 5160 -1169957.4 -1150182.3 547457.0 22970.8 22485.7 -3704.1
5161 -441313.9 -402009.2 624477.7 21114.4 20668.5 359.6
5165 -108183.6 -132655.1 -793689.2 -41067.6 -40200.4 1884.8
5164 -993892.5 -964579.7 -1031704.3 -39257.9 -38428.9 -2093.8

2226 3 3 env SL~1 MAX 5161 161119.2 187784.5 304890.3 34712.6 33979.6 -1739.0
5118 1195695.2 1171692.9 170878.4 32370.5 31702.5 2029.0
5117 1016930.4 992886.0 380373.7 -28456.1 -27836.6 3449.9
5165 345830.3 305436.4 -75421.4 -27626.3 -27043.0 -550.9

MIN 5161 -1018714.4 -990866.2 103248.2 20800.1 20360.9 -3532.2
5118 -345931.1 -305333.4 -421393.3 18925.2 18560.9 350.2
5117 -160236.3 -188804.8 -106665.8 -41521.7 -40609.6 1982.7
5165 -1194616.0 -1172779.1 -323725.1 -40504.5 -39649.2 -2187.9

2227 3 3 env SL~1 MAX 5162 24329.1 42884.5 474106.8 33914.7 33198.6 -1904.6
5163 615951.7 615472.5 933371.5 34015.8 33297.5 1889.3
5167 1579206.4 1530288.8 -331254.3 -27664.0 -27079.8 4570.0
5166 603821.6 526951.8 -499740.7 -25388.5 -24852.4 -175.7

MIN 5162 -1582354.7 -1527072.5 236376.4 22332.3 21860.8 -3987.0
5163 -601273.4 -529555.0 606114.5 22382.0 21909.4 248.5
5167 -24566.6 -42641.9 -595473.3 -53819.2 -52682.7 2188.6
5166 -612906.4 -618583.5 -790635.0 -50596.1 -49527.7 -1847.2

2228 3 3 env SL~1 MAX 5163 69523.8 88840.4 858702.7 37716.1 36919.6 -2138.9
5164 780296.6 777339.6 1090975.9 37560.3 36767.1 2106.6
5168 1390598.7 1344555.4 -500477.2 -30660.0 -30012.6 4818.1
5167 493247.0 458910.0 -683298.2 -28746.9 -28139.9 -456.7

MIN 5163 -1393802.5 -1341282.6 493961.3 25282.8 24748.9 -4248.2
5164 -492783.3 -459383.7 730689.8 25151.3 24620.2 462.3
5168 -69872.7 -88483.9 -866857.8 -58655.3 -57416.7 2399.3
5167 -777215.5 -780487.2 -1027562.3 -55882.4 -54702.3 -2105.2

2229 3 3 env SL~1 MAX 5164 127845.2 146955.5 843210.7 40402.1 39549.0 -2331.5
5165 982117.8 978702.0 829328.8 39576.8 38741.1 2265.3
5169 1187340.1 1141361.1 -392414.8 -33056.5 -32358.5 5081.6
5168 417626.7 383265.5 -619664.4 -31258.8 -30598.7 -575.0

MIN 5164 -1189826.6 -1138820.9 494749.2 27428.4 26849.2 -4519.8
5165 -417240.7 -383659.8 558205.8 26813.9 26247.7 496.1
5169 -128087.6 -146707.9 -686268.9 -62791.1 -61465.2 2567.1
5168 -979783.0 -981087.2 -920165.9 -60131.5 -58861.8 -2307.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

2230 3 3 env SL~1 MAX 5165 162278.3 181904.8 254032.0 41995.3 41108.5 -2454.0
5117 1114510.7 1109574.3 96651.4 41463.0 40622.7 2398.6
5116 1097830.1 1054785.4 356368.1 -34058.8 -33321.1 5080.3
5169 340352.2 307163.2 -69576.5 -32939.6 -32244.1 -796.2

MIN 5165 -1101752.9 -1050507.1 59478.6 28802.7 28194.5 -4534.2
5117 -339227.9 -308311.8 -349081.5 28430.0 27848.3 670.4
5116 -162714.4 -181621.8 -32019.6 -65088.5 -63679.0 2663.4
5169 -1111257.7 -1112897.4 -273700.5 -63335.9 -61998.5 -2470.7

2231 3 3 env SL~1 MAX 5166 84025.5 101750.9 440622.4 52363.8 51258.1 -2596.6
5167 678771.4 685986.5 833040.9 52427.9 51320.9 1925.0
5171 1516395.4 1459243.8 -302844.5 -33327.2 -32623.4 6284.2
5170 501688.5 435812.6 -448361.8 -30439.8 -29797.0 -265.8

MIN 5166 -1519332.9 -1456243.0 214777.6 26755.0 26190.0 -5603.8
5167 -498859.1 -436267.0 549559.9 26588.8 26027.4 308.7
5171 -84314.2 -101456.0 -547281.1 -74313.8 -72744.5 2912.4
5170 -675956.8 -688861.8 -704098.3 -69953.5 -68476.3 -1996.5

2232 3 3 env SL~1 MAX 5167 114972.3 136653.8 794821.9 57273.6 56064.2 -2828.6
5168 820673.9 828715.0 972221.3 57266.6 56057.3 2244.6
5172 1351767.7 1294111.3 -467744.8 -37007.7 -36226.2 6587.8
5171 441373.6 404656.7 -620955.2 -34725.8 -33992.5 -616.8

MIN 5167 -1355483.6 -1290315.3 464992.6 29822.1 29192.4 -5909.6
5168 -440321.1 -405732.0 664583.2 29593.8 28968.9 610.1
5172 -115797.9 -135752.7 -799483.2 -80946.5 -79237.2 3117.3
5171 -817128.1 -832337.4 -922596.6 -77295.2 -75663.0 -2486.5

2233 3 3 env SL~1 MAX 5168 152508.3 173321.5 766511.4 61520.2 60221.1 -2995.1
5169 993081.6 998822.4 734766.1 61040.4 59751.5 2494.3
5173 1179033.6 1123480.7 -357199.1 -39288.4 -38458.8 6879.1
5172 387979.4 351577.8 -560465.3 -37452.9 -36662.0 -802.4

MIN 5168 -1182847.7 -1119584.4 455558.4 32325.0 31642.4 -6224.9
5169 -386428.8 -353162.0 502981.7 31710.3 31040.7 741.7
5173 -153843.3 -171946.4 -613943.0 -86135.9 -84317.0 3223.9
5172 -989483.2 -1002498.5 -811631.7 -82900.9 -81150.3 -2818.6

2234 3 3 env SL~1 MAX 5169 163612.0 181526.9 214457.9 65086.6 63712.2 -3079.4
5116 1070125.9 1068777.2 37146.1 65030.2 63692.1 2878.4
5115 1141807.0 1095095.1 456937.7 -39635.4 -38779.9 6889.7
5173 335223.3 303866.5 -63988.1 -38628.5 -37812.8 -1025.8

MIN 5169 -1147598.4 -1089033.6 -19428.9 34285.8 33561.8 -6294.0
5116 -332652.4 -306492.8 -305633.6 34033.0 33332.9 966.4

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			5115	-165394.6	-179822.0	26636.3	-88738.6	-86829.8	3251.8		
			5173	-1065094.4	-1073917.2	-233277.0	-86692.6	-84862.0	-3235.9		
2235	3	3 env SL~1 MAX	5170	142787.0	169499.6	441600.1	72248.7	70723.1	-3396.5		
			5171	750527.2	767468.5	730900.6	72513.5	70982.3	2593.7		
			5175	1442580.5	1374725.7	-280996.7	-41817.0	-40934.0	8353.9		
			5174	402445.9	361305.8	-399534.3	-37590.2	-36796.4	-345.6		
		MIN	5170	-1444843.2	-1372414.2	207709.8	32113.8	31435.7	-7491.3		
			5171	-402582.7	-361166.1	494251.2	32016.6	31340.5	432.0		
			5175	-142380.4	-169914.9	-512072.6	-97890.5	-95823.4	3889.1		
			5174	-748407.7	-769622.0	-614019.9	-91612.3	-89677.8	-2673.0		
2236	3	3 env SL~1 MAX	5171	158687.2	196025.7	738977.1	79095.4	77425.2	-3674.2		
			5172	870104.4	893486.1	877479.4	79205.1	77532.6	3189.1		
			5176	1302332.2	1228349.1	-442146.5	-47106.1	-46111.4	8716.1		
			5175	390536.0	337955.0	-559329.7	-44276.7	-43341.7	-858.8		
		MIN	5171	-1306523.6	-1224067.2	442197.5	36036.3	35275.4	-7886.5		
			5172	-388966.8	-339558.0	600154.4	35756.7	35001.6	805.2		
			5176	-159949.9	-194703.4	-741255.4	-107116.8	-104854.9	4100.2		
			5175	-866219.5	-897494.8	-830237.8	-102368.3	-100206.7	-3437.1		
2237	3	3 env SL~1 MAX	5172	177931.9	212465.6	708441.5	84642.2	82854.9	-3747.4		
			5173	1015739.5	1032865.3	644053.6	83992.5	82218.9	3552.1		
			5177	1156122.5	1088855.1	-336478.0	-47978.4	-46965.2	8878.8		
			5176	356741.8	305953.7	-506395.3	-46828.2	-45839.3	-1160.9		
		MIN	5172	-1162015.4	-1082802.8	428055.7	38703.9	37886.7	-8189.9		
			5173	-353193.4	-309578.6	455693.4	37755.8	36958.5	979.9		
			5177	-181141.6	-209212.4	-567408.3	-111756.7	-109396.8	3973.3		
			5176	-1010185.3	-1038539.3	-710985.9	-108713.8	-106418.1	-3954.5		
2238	3	3 env SL~1 MAX	5173	164454.5	187042.6	186978.8	88836.0	86960.1	-3679.4		
			5115	1047364.2	1046812.0	-4397.0	88680.7	86843.1	3965.2		
			5114	1162858.8	1115566.3	531514.3	-45210.5	-44237.4	8724.5		
			5177	331177.8	295096.9	-44347.0	-45222.4	-44267.5	-1299.2		
		MIN	5173	-1171409.1	-1106831.5	-74588.7	40161.2	39313.1	-8185.2		
			5115	-326131.3	-300252.3	-371702.8	39609.7	38791.7	1153.4		
			5114	-168631.2	-182775.8	66347.8	-111709.4	-109315.7	3756.8		
			5177	-1039683.7	-1054658.2	-203966.2	-110376.8	-108046.0	-4363.5		
2239	3	3 env SL~1 MAX	5174	194797.6	252897.2	444503.6	94647.4	92648.8	-4680.1		
			5175	822202.3	868840.2	650094.3	95518.5	93501.5	3308.1		
			5179	1366536.4	1270716.3	-273392.6	-57836.9	-56615.6	10995.5		
			5178	340791.3	270607.3	-351589.7	-50220.6	-49160.1	-439.1		

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MIN 5174 -1365773.6 -1271127.0 214881.1 39682.1 38844.2 -9792.7
5175 -343946.9 -267439.7 439344.0 40192.0 39343.3 628.8
5179 -191522.2 -257025.8 -500443.5 -126032.5 -123371.1 5707.7
5178 -823084.9 -867468.7 -516563.9 -115916.1 -113468.4 -3195.5

2240 3 3 env SL~1 MAX 5175 190728.3 279005.5 692216.1 104740.3 102528.5 -5088.6
5176 917067.0 983877.9 785789.7 104943.1 102727.1 4270.3
5180 1253197.9 1136484.4 -424202.5 -67353.6 -65931.3 11373.5
5179 349851.1 247913.8 -498334.1 -63513.1 -62171.9 -1510.1

MIN 5175 -1257397.6 -1132056.7 426096.5 45901.7 44932.5 -10317.9
5176 -348204.4 -249596.1 537315.8 45672.5 44708.0 1312.6
5180 -191922.1 -277961.7 -693135.0 -139879.1 -136925.4 5912.0
5179 -913320.3 -987667.1 -739907.5 -133679.8 -130856.9 -4559.4

2241 3 3 env SL~1 MAX 5176 195303.4 275208.6 666451.5 110887.4 108545.9 -4824.5
5177 1043106.9 1090889.3 561766.2 109209.5 106903.4 4741.9
5181 1125502.5 1031351.1 -327726.7 -63008.2 -61677.7 10904.9
5180 332013.8 239109.4 -455692.4 -64734.5 -63367.5 -2118.2

MIN 5176 -1136057.6 -1020568.2 411226.0 48261.8 47242.7 -10377.4
5177 -323832.3 -247390.4 413068.9 46346.0 45367.4 1551.4
5181 -202923.6 -267342.2 -540637.1 -139138.1 -136200.0 5007.5
5180 -1033097.9 -1101217.8 -642617.3 -138823.2 -135891.8 -5432.6

2242 3 3 env SL~1 MAX 5177 164392.8 202044.6 174178.3 112923.9 110539.4 -4256.6
5114 1043754.5 1041394.7 -25023.4 111652.1 109329.1 4919.4
5113 1162085.9 1118139.4 535262.5 -49820.9 -48750.6 10091.8
5181 327686.0 277153.3 2281.4 -53641.1 -52508.4 -1893.5

MIN 5177 -1176554.6 -1103358.6 -82866.3 46854.7 45865.3 -9970.8
5114 -316900.5 -288171.6 -413801.9 45185.1 44249.3 1444.8
5113 -174367.4 -191816.2 83265.0 -127753.3 -125021.2 4009.1
5181 -1030096.7 -1055385.7 -187456.6 -130349.5 -127597.0 -5503.4

2243 3 3 env SL~1 MAX 5178 228043.1 376991.3 450752.8 120062.6 117527.3 -7011.5
5179 880729.7 1015259.6 571329.8 122817.3 120223.9 3794.2
5183 1300741.7 1131542.6 -282617.9 -93640.4 -91663.1 14545.5
5182 295956.9 149329.7 -302550.9 -76504.3 -74888.8 -554.8

MIN 5178 -1290045.0 -1142470.0 238469.5 53018.7 51899.2 -12661.8
5179 -309743.6 -135976.0 383077.2 55701.4 54525.2 1148.3
5183 -213378.2 -393007.8 -504313.0 -157640.5 -154311.8 8844.4
5182 -892066.2 -1001669.3 -448099.2 -138246.2 -135327.0 -3026.4

2244 3 3 env SL~1 MAX 5179 183951.4 424347.8 655883.9 136894.9 134004.2 -7542.3

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			5180	939184.4	1138114.5	696820.7	137271.1	134372.5	5623.9	
			5184	1225568.8	991850.8	-415492.7	-115257.8	-112824.0	14786.6	
			5183	345364.8	106545.1	-436742.9	-109068.7	-106765.5	-3313.4	
		MIN	5179	-1228065.3	-989325.5	417890.6	65648.5	64262.3	-13404.9	
			5180	-345146.5	-106743.2	475220.7	65799.2	64409.8	2715.2	
			5184	-183405.1	-425131.6	-656734.5	-181961.2	-178118.9	8899.5	
			5183	-937452.5	-1139657.9	-651006.7	-173561.7	-169896.7	-6404.0	
2245	3	3 env SL~1 MAX	5180	181203.7	392916.8	638931.7	141431.2	138444.7	-6482.1	
			5181	1064033.2	1194764.3	512370.7	136497.6	133615.3	6219.0	
			5185	1098386.2	930533.8	-328368.6	-94087.9	-92101.2	12130.5	
			5184	336885.2	123017.3	-405655.1	-105417.7	-103191.7	-4814.6	
		MIN	5180	-1121211.3	-907216.4	404674.2	66288.9	64889.1	-12479.5	
			5181	-316715.1	-143622.4	370225.2	61639.7	60338.1	3104.6	
			5185	-201179.8	-371285.1	-528669.1	-160924.3	-157526.2	6279.1	
			5184	-1041454.0	-1219108.2	-577670.0	-171382.9	-167763.9	-8616.5	
2246	3	3 env SL~1 MAX	5181	163123.3	236574.5	179416.3	132990.0	130181.7	-4634.4	
			5113	1070446.7	1048342.3	-20454.1	127696.7	125034.7	5341.9	
			5112	1125910.8	1106705.6	425041.1	-47650.6	-46626.3	9107.2	
			5185	323975.4	240676.7	20034.0	-64152.3	-62797.7	-3402.9	
		MIN	5181	-1156713.5	-1075238.5	-26990.2	55009.7	53848.1	-10666.0	
			5113	-297100.9	-267999.7	-377209.1	49795.7	48762.5	2029.5	
			5112	-189502.7	-209626.1	70665.1	-111024.4	-108645.8	3252.7	
			5185	-1040010.8	-1079434.8	-184664.0	-127948.7	-125246.9	-6533.8	
2247	3	3 env SL~1 MAX	5182	197201.8	601264.3	462585.3	144325.8	141278.2	-11513.8	
			5183	889684.3	1263463.5	490373.4	153007.0	149776.0	5840.6	
			5187	1290485.1	903824.5	-313064.1	-181108.0	-177249.6	23456.0	
			5186	314851.8	-58774.4	-249582.6	-136243.8	-133332.8	25.2	
		MIN	5182	-1240900.7	-948604.3	283169.7	80827.5	79120.7	-16112.9	
			5183	-367538.8	105716.9	322200.4	90456.4	88546.3	2452.6	
			5187	-148877.8	-655102.6	-514204.8	-296278.8	-290008.5	16373.0	
			5186	-934577.2	-1211788.0	-381722.8	-228100.2	-223269.4	-3731.1	
2248	3	3 env SL~1 MAX	5183	55861.2	736832.0	633434.5	178195.3	174432.4	-12749.7	
			5184	870602.0	1446346.7	609480.5	179156.1	175373.0	12250.3	
			5188	1310473.1	711681.8	-419739.4	-233558.6	-228592.4	23463.4	
			5187	485094.4	-182416.0	-360824.8	-220987.8	-216287.2	-7500.9	
		MIN	5183	-1303681.7	-717016.3	420076.2	112252.6	109882.3	-18066.8	
			5184	-493146.6	189038.6	406780.5	113819.7	111416.3	6642.1	
			5188	-48269.3	-745057.9	-635658.7	-386293.3	-378122.6	16152.4	
			5187	-876932.9	-1439408.8	-561380.1	-368318.5	-360527.0	-15449.0	

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2249 3 3 env SL~1 MAX 5184 63854.3 658134.6 624923.9 174188.1 170509.9 -8935.6
5185 1043267.2 1407679.8 473356.4 159507.4 156139.2 13594.3
5189 1139888.3 738447.6 -334352.0 -146721.7 -143589.4 11322.6
5188 476856.3 -124579.1 -313139.7 -192756.1 -188651.5 -11756.2

MIN 5184 -1200292.4 -678835.7 408596.2 106855.8 104599.4 -13135.4
5185 -419575.4 68157.7 281615.5 94203.6 92214.4 7456.8
5189 -121291.2 -597363.6 -525430.1 -286995.3 -280921.8 7545.1
5188 -982707.2 -1471641.3 -517463.6 -345707.8 -338394.0 -21641.4

2250 3 3 env SL~1 MAX 5185 162794.6 318759.9 209288.9 129365.6 126633.9 -3286.5
5112 1171828.8 1051348.8 16837.9 110968.5 108659.5 7674.5
5111 1037936.9 1100285.9 133955.0 27040.7 26503.8 -635.6
5189 352292.4 164362.0 8023.3 -37514.7 -36688.5 -6135.3

MIN 5185 -1120941.4 -1018692.2 103511.3 64036.6 62684.4 -6748.9
5112 -274260.1 -240876.2 -217918.9 47625.8 46638.2 3306.8
5111 -239410.6 -237289.8 15822.1 -75201.3 -73599.9 -1479.4
5189 -1090240.6 -1137898.3 -195543.5 -157413.5 -154076.3 -14642.2

2251 3 3 env SL~1 MAX 5190 505874.8 625115.8 91649.5 561470.2 122733.0 -3683.8
5191 181919.0 1151699.4 355106.1 506899.9 176146.9 -2025.3
5197 4751857.9 2146070.6 160903.9 1397370.9 214552.4 9611.0
5196 2546280.3 4333888.1 332750.4 1353535.2 224801.7 84174.2

MIN 5190 -4638111.8 -2014360.9 -340248.7 -111993.3 -615255.3 -8041.2
5191 -2660026.4 -4464541.3 -114282.6 -160737.4 -555457.4 -10205.3
5197 -597087.4 -690764.3 -181739.5 -195792.9 -1531257.5 -17255.7
5196 -90706.5 -1086050.9 -192030.5 -205146.0 -1483221.7 -8222.9

2252 3 3 env SL~1 MAX 5191 887192.2 674004.8 501839.7 398090.1 305892.6 10214.9
5192 442532.9 1212470.8 717362.4 295033.9 395341.6 -16368.5
5198 4905149.7 2296455.8 -377765.7 1683793.3 118825.3 10562.2
5197 2761183.6 4393974.3 -278071.8 1607443.6 154151.7 108282.2

MIN 5191 -4752081.3 -2173454.2 254313.9 -279138.8 -436222.1 2035.6
5192 -2914252.0 -4516975.9 437699.1 -360766.2 -323293.0 -30709.6
5198 -916338.3 -698990.7 -628898.0 -108435.7 -1845123.0 -21407.4
5197 -413386.8 -1187484.9 -578663.7 -140673.3 -1761458.0 13775.3

2253 3 3 env SL~1 MAX 5192 1127456.0 770511.5 940455.9 118842.6 564385.6 30720.3
5193 634495.5 1338378.7 1218525.1 -7306.2 669449.5 -33084.5
5199 5067124.1 2015594.9 -709268.9 1981349.4 -38409.8 3778.2
5198 3072681.9 4172871.4 -657317.1 1916239.4 4275.4 114808.4

MIN 5192 -5026920.3 -2007213.5 633473.7 -515029.7 -130220.5 16378.9

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5193 -3112885.7 -4181252.8 771745.8 -610907.1 8015.3 -55227.6
5199 -1140853.6 -790090.3 -1064012.2 35051.5 -2171188.8 -51434.4
5198 -621098.0 -1318800.0 -1053045.9 -3901.6 -2099840.5 27175.2

2254 3 3 env SL~1 MAX 5193 1280393.7 850588.2 1294749.6 -167400.2 794437.4 55238.9
5194 751223.0 1451449.6 1623477.7 -233860.8 835667.1 -40230.1
5200 5213313.9 1506131.6 -869133.9 2147333.2 -141780.4 -13978.6
5199 3301783.2 3666332.5 -958187.7 2122613.2 -125566.6 104475.2

MIN 5193 -5220933.1 -1558380.9 843929.0 -724966.5 183448.3 33095.4
5194 -3294256.2 -3614083.3 1025315.4 -762590.6 256277.4 -70678.3
5200 -1283301.6 -867967.9 -1360654.7 129383.8 -2353076.0 -85122.5
5199 -747837.2 -1434069.9 -1515649.8 114587.6 -2325987.6 24105.1

2255 3 3 env SL~1 MAX 5194 1359365.9 712264.3 1446276.5 -208030.7 796672.9 70690.4
5195 825335.3 1278723.7 2208864.9 -100740.0 708865.1 -25121.9
5201 5770966.8 718127.1 -924545.1 2016880.5 -75868.7 -29391.3
5200 3962533.3 2823591.7 -1063201.9 2079437.1 -111674.2 54068.6

MIN 5194 -5798633.0 -834341.7 910522.9 -727005.9 227972.4 40241.6
5195 -3935253.3 -2707377.1 969559.3 -646874.5 110404.1 -48188.6
5201 -1340065.1 -704700.8 -1456648.1 69235.0 -2210124.3 -125520.8
5200 -844346.5 -1286287.2 -1976712.5 101909.9 -2278674.6 3936.9

2256 3 3 env SL~1 MAX 5195 1411515.6 717415.9 725718.6 84469.8 490391.0 48201.6
5123 917650.8 390360.4 233759.7 251013.4 331832.2 11950.7
5122 6659393.7 34144.1 1968428.4 1442110.7 65938.3 -13395.3
5201 5341744.6 964863.0 -402888.1 1621105.8 27207.4 2128.5

MIN 5195 -6925150.5 127270.8 -382500.4 -447502.9 -92551.3 25134.0
5123 -5076121.3 -371535.1 -112364.6 -302808.6 -275047.3 2630.5
5122 -1300785.5 -1309013.0 -470737.4 -60164.4 -1580268.0 -159825.2
5201 -1028380.9 -553506.1 -1467712.2 -24828.5 -1776429.1 -24130.7

2257 3 3 env SL~1 MAX 5196 590426.0 2941581.8 -6198.2 192234.0 1452540.1 56928.2
5197 2750143.5 924143.9 424884.1 190096.3 1548840.9 10266.2
5203 494612.0 -60883.0 209568.6 423588.7 86781.4 7502.4
5202 946751.0 -345899.9 325159.4 402127.6 88398.4 52537.9

MIN 5196 -495410.4 61509.0 -408655.4 -1325536.2 -210652.5 -10150.8
5197 -945952.6 382003.0 -80909.0 -1413416.9 -208310.1 -80248.1
5203 -675482.8 -3020559.4 -72583.8 -79193.6 -464174.1 -43003.5
5202 -2665086.8 -871917.0 -285219.0 -80669.2 -440656.7 -7943.9

2258 3 3 env SL~1 MAX 5197 857744.5 3333453.8 315746.8 145973.0 1743874.6 67942.9
5198 3008242.2 1219006.3 865695.6 100311.0 1868837.2 1334.3
5204 425916.6 -186934.8 -323967.4 519933.2 54183.8 6983.3

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5203 943350.2 -584849.2 -321918.8 490699.9 67759.7 63641.0

MIN 5197 -473345.7 146417.2 188977.3 -1591397.7 -159959.1 -12181.4

5198 -895921.1 645205.6 482983.5 -1705434.1 -109922.1 -97545.1

5204 -968085.9 -3436220.8 -435348.8 -49446.2 -569749.6 -52120.9

5203 -2897900.8 -1136560.6 -693660.6 -61835.1 -537715.4 -3462.7

2259 3 3 env SL~1 MAX 5198 1299993.3 3607650.2 816248.3 11835.6 2075865.0 84961.0

5199 3403685.5 1501415.5 1291513.5 -42059.5 2183801.4 -6809.8

5205 173255.4 -278288.5 -675008.5 616380.0 782.9 2216.2

5204 720193.4 -757459.6 -669639.3 591521.8 16720.6 73579.0

MIN 5198 -230467.1 229122.4 597441.0 -1894360.3 -12969.6 -6019.6

5199 -662981.7 811891.3 789129.6 -1992859.1 46089.4 -110508.2

5205 -1393016.7 -3694822.4 -943998.6 -714.5 -675437.3 -63584.2

5204 -3310662.2 -1414243.3 -1121840.3 -15258.6 -648197.4 2003.1

2260 3 3 env SL~1 MAX 5199 1690568.1 3704114.5 1288148.5 -107587.9 2313375.0 102008.5

5200 3711919.0 1558385.3 1539408.4 -126507.4 2352881.1 -7769.7

5206 -82918.4 -236388.7 -898973.6 670451.7 -32058.3 -3139.4

5205 444662.5 -773034.3 -883602.3 661600.7 -26106.9 77641.2

MIN 5199 61644.6 218924.9 878327.0 -2111103.4 117896.3 3573.9

5200 -423388.7 790498.0 946171.8 -2147155.3 138628.4 -112311.1

5206 -1721296.6 -3734026.9 -1348809.7 29255.3 -734689.8 -72999.8

5205 -3681190.5 -1528472.8 -1436824.3 23824.3 -724990.8 4264.2

2261 3 3 env SL~1 MAX 5200 1904781.3 3346902.6 1725631.5 -104786.2 2278869.5 114541.9

5201 3735156.2 1106351.6 2015741.5 -60998.6 2158651.6 1575.3

5207 -227039.4 63701.7 -746535.4 618850.3 -11101.3 -4541.4

5206 226720.4 -518518.3 -996376.6 647348.7 -23308.6 67697.2

MIN 5200 270595.2 -22548.4 950391.7 -2079615.0 114826.1 9466.1

5201 -270276.1 477365.0 838635.4 -1969908.4 66843.0 -89291.1

5207 -1791794.6 -3243147.9 -2097682.9 10130.6 -678144.3 -75545.1

5206 -3848142.9 -1210106.3 -1597575.0 21270.6 -709373.2 429.5

2262 3 3 env SL~1 MAX 5201 2278567.2 1870695.6 934813.4 16592.1 1827901.8 104501.0

5122 4137211.8 291528.3 489868.1 60185.7 1580262.3 7756.7

5121 -129165.1 268831.2 1244943.4 443341.1 33861.0 -53.1

5207 300178.8 476577.6 42197.5 505990.5 20949.2 46247.6

MIN 5201 172565.0 -227203.1 519736.3 -1668077.9 -18181.8 3251.9

5122 -343578.6 -680996.2 -1968194.3 -1442076.4 -65942.8 -51628.5

5121 -2054562.6 -1667669.8 -444067.3 -30890.6 -485806.3 -62793.5

5207 -4361216.4 -331763.5 -564640.7 -19117.5 -554471.1 -3923.5

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2263	3	3 env SL~1 MAX	5202	-361902.0	1966501.6	15471.9	78215.7	436009.4	16125.7
			5203	1346939.3	780168.4	513802.4	77979.7	468847.9	4314.8
			5209	1062354.5	-219601.6	203586.8	122545.5	28245.0	2688.4
			5208	894346.7	359058.0	167927.2	115902.0	28440.2	16366.4
		MIN	5202	-1080730.7	219251.2	-329606.1	-397886.6	-85709.7	-3818.3
			5203	-893270.2	-333939.7	2013.2	-427853.9	-85451.2	-25066.3
			5209	349476.8	-1992251.8	-61968.2	-25775.4	-134287.0	-12076.3
			5208	-1319414.4	-779186.0	-405515.9	-25953.5	-127006.9	-3175.5
2264	3	3 env SL~1 MAX	5203	-348548.3	2156519.0	269570.6	63049.0	533041.6	19865.5
			5204	1360758.4	864256.4	901728.4	47504.7	574977.7	1298.7
			5210	951342.2	-284250.7	-255858.1	154060.4	18420.5	2574.9
			5209	917960.0	137630.0	-331934.1	144934.2	22766.4	19991.6
		MIN	5203	-980032.5	269823.3	118105.6	-486434.7	-69090.0	-4582.9
			5204	-901048.5	-106115.0	477884.3	-524704.1	-52056.3	-30703.9
			5210	327550.7	-2189039.5	-359982.3	-16809.9	-168821.4	-15120.4
			5209	-1326223.8	-848823.6	-737857.6	-20775.8	-158820.8	-1710.3
2265	3	3 env SL~1 MAX	5204	-219446.4	2198560.2	655460.7	17200.2	642969.3	25486.5
			5205	1511584.4	870474.9	1282842.6	-657.3	679066.2	-1440.5
			5211	700659.3	-273552.5	-596817.5	185298.0	1174.6	1003.8
			5210	812502.6	63153.3	-651848.4	177674.9	6433.5	23224.2
		MIN	5204	-728286.2	256434.8	530924.6	-586750.9	-18848.2	-2562.6
			5205	-792277.7	-36762.1	759664.1	-619691.6	720.3	-34920.3
			5211	200541.3	-2226290.4	-765533.6	-1071.9	-203052.0	-18866.0
			5210	-1482664.5	-852271.2	-1130846.9	-5871.0	-194698.5	121.7
2266	3	3 env SL~1 MAX	5205	-62936.0	2145790.5	1097980.4	-22452.5	721361.9	31114.9
			5206	1671948.1	778695.9	1535202.0	-28551.8	734743.5	-1747.3
			5212	390005.1	-175157.6	-832685.4	202579.5	-9615.6	-750.9
			5211	644547.4	88614.3	-858338.2	200242.4	-7696.7	24518.2
		MIN	5205	-399256.6	168460.0	798946.7	-658289.1	24603.7	638.9
			5206	-636130.5	-80560.2	933999.7	-670500.7	31287.4	-35490.3
			5212	57966.6	-2154828.0	-1168345.9	8774.9	-221989.3	-21956.8
			5211	-1662897.7	-771014.9	-1422913.6	7023.7	-219428.3	880.6
2267	3	3 env SL~1 MAX	5206	118273.3	1798757.2	1464121.0	-21974.1	709319.6	35236.2
			5207	1878135.1	548857.3	1554860.2	-7724.6	669537.1	1282.3
			5213	128457.9	33997.1	-660810.1	184497.0	-2305.3	-1227.5
			5212	456616.3	404543.7	-898221.2	194716.6	-6490.9	21234.3
		MIN	5206	-90422.5	-21389.7	836742.3	-647299.7	24079.5	2646.6
			5207	-469430.1	-440167.4	819721.3	-610995.6	8464.7	-27855.0
			5213	-94547.3	-1764047.5	-1569317.5	2103.8	-202174.2	-22738.4

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5212 -1917172.0 -560550.8 -1427495.2 5923.4 -213373.0 -399.7

2268 3 3 env SL~1 MAX 5207 346435.9 1016738.1 716398.8 16711.5 563078.3 31667.3
5121 2348392.6 393418.5 472994.0 30914.7 485800.7 3293.1
5120 -52122.3 156654.9 812617.6 128493.2 12964.9 261.1
5213 404392.8 1299045.3 -34163.7 148495.4 8658.7 14462.2

MIN 5207 64404.9 -144154.2 430429.2 -513845.1 -18312.7 596.8
5121 -416675.4 -1365058.5 -1235458.6 -443312.7 -33866.0 -16170.6
5120 -274097.8 -952017.0 -368267.6 -11821.3 -140792.8 -18559.3
5213 -2420730.8 -404627.2 -553651.6 -7901.6 -162723.2 -1840.7

2269 3 3 env SL~1 MAX 5208 -326401.5 1663839.7 41752.5 25151.6 124938.0 4046.4
5209 884705.7 822778.7 551964.3 25428.5 136257.4 1390.1
5215 1351131.4 -256454.0 182582.0 40062.5 8658.1 2198.1
5214 849060.8 664080.0 70267.5 38612.8 9858.6 5727.7

MIN 5208 -1356561.9 255695.8 -261181.8 -114014.0 -27561.5 -2884.3
5209 -848019.5 -656719.9 52430.7 -124343.6 -27864.9 -8206.9
5215 325570.7 -1671391.9 -68492.0 -7901.1 -43901.0 -3067.8
5214 -876640.3 -821828.5 -463774.3 -8996.6 -42312.4 -739.1

2270 3 3 env SL~1 MAX 5209 -343658.5 1779744.1 247393.8 21122.7 156857.6 5286.8
5210 826658.5 873317.3 892657.5 16225.4 170996.6 432.0
5216 1295215.7 -293636.4 -212369.1 49391.8 -2032.7 1305.2
5215 875616.3 519915.3 -323565.6 47165.9 304.5 6858.0

MIN 5209 -1303726.7 288086.3 83390.4 -143142.6 -23146.5 -1860.6
5210 -869204.1 -510746.8 453436.3 -156045.4 -17780.1 -9994.4
5216 337576.7 -1789214.1 -331435.5 1855.0 -54124.2 -4040.0
5215 -816611.5 -867465.8 -739567.1 -277.9 -51685.0 -318.5

2271 3 3 env SL~1 MAX 5210 -268377.7 1752417.3 580606.3 6455.4 192523.3 7068.6
5211 894321.2 844268.6 1238727.1 608.9 204718.9 -429.9
5217 1174407.5 -251840.5 -545227.1 58607.7 -8909.5 129.2
5216 808926.8 513277.2 -615812.9 56884.0 -7531.8 7881.7

MIN 5210 -1183049.7 245451.1 485877.9 -175689.9 -7074.0 -625.4
5211 -801563.1 -505721.0 717084.9 -186819.2 -667.2 -11343.9
5217 261376.2 -1760303.9 -662700.0 8130.5 -64223.1 -5200.1
5216 -886041.1 -837548.8 -1098532.6 6873.3 -62334.2 218.0

2272 3 3 env SL~1 MAX 5211 -139107.7 1646469.4 960680.3 -6560.6 217761.5 8865.5
5212 1005511.6 734482.7 1467478.7 -8543.5 222394.6 -497.8
5218 1029148.2 -142955.0 -771274.4 63264.8 -11272.4 -583.1
5217 678193.0 585055.9 -810001.7 63282.5 -10995.6 8249.6

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			MIN	5211	-1031413.9	139984.5	738070.8	-198721.3	7189.2	385.4		
				5212	-674228.9	-583635.3	885128.2	-202949.3	9362.1	-11478.0		
				5218	135786.0	-1648537.0	-1043997.8	10286.8	-69326.4	-6152.9		
				5217	-1003954.9	-730865.1	-1361643.7	10034.2	-69345.8	407.7		
2273	3	3	env SL~1	MAX	5212	-478.1	1326078.2	1259242.7	-6154.7	212967.7	10164.4	
					5213	1253395.4	557766.4	1246103.3	-1299.8	199996.7	573.2	
					5219	762168.7	11955.7	-605640.3	56033.4	-7706.5	-680.8	
					5218	521665.0	883618.7	-803774.4	60306.7	-9428.5	7125.1	
			MIN	5212	-748681.8	-8400.4	757984.6	-194346.7	6744.4	996.9		
				5213	-524637.6	-896510.4	767347.4	-182509.9	1424.4	-8939.7		
				5219	4032.4	-1313770.5	-1223412.7	7032.7	-61402.1	-6330.8		
				5218	-1267464.2	-560479.1	-1309343.0	8604.1	-66084.8	-79.8		
2274	3	3	env SL~1	MAX	5213	60793.7	874011.9	536171.5	7097.7	164900.7	8907.5	
					5120	1633621.6	427713.4	396498.1	11845.8	140787.2	1229.6	
					5119	458593.8	110820.5	565805.0	37651.2	-1686.2	-149.6	
					5219	428796.0	1423421.8	-70320.5	44418.6	-3378.7	4878.0	
			MIN	5213	-434917.8	-107364.9	339626.5	-150482.5	-7777.7	289.3		
				5120	-431253.2	-1446240.9	-807465.2	-128466.6	-12969.8	-5202.7		
				5119	-57006.9	-852406.1	-274096.2	1548.7	-41247.0	-4971.5		
				5219	-1658627.2	-429955.8	-506996.2	3083.3	-48674.5	-584.5		
2275	3	3	env SL~1	MAX	5214	-263202.4	1546501.9	67894.3	10446.1	41047.2	1133.4	
					5215	762580.0	796665.5	550528.6	6630.8	45002.2	-291.0	
					5221	1427473.6	-229416.0	160176.4	24910.3	-13353.6	989.3	
					5220	785386.7	780063.6	17041.0	25495.7	-14157.8	3224.3	
			MIN	5214	-1428417.7	228755.2	-201596.0	-37458.2	-11447.0	-1642.5		
				5215	-784624.7	-778847.0	75191.1	-41067.4	-7266.2	-3723.2		
				5221	262478.2	-1547753.0	-79747.7	12186.0	-27297.1	-1397.0		
				5220	-761246.8	-795970.2	-475639.9	12919.9	-27938.5	725.0		
2276	3	3	env SL~1	MAX	5215	-274140.9	1628268.1	239760.1	1548.2	50583.8	1352.8	
					5216	691198.8	826288.2	850730.8	-3265.4	55315.6	-521.3	
					5222	1412658.3	-249029.9	-154536.5	26467.8	-15545.4	724.4	
					5221	804283.1	673135.1	-298652.3	26711.5	-15871.7	3492.8	
			MIN	5215	-1414457.4	246765.8	54208.3	-46161.0	-1696.5	-1302.3		
				5216	-801734.8	-671554.6	416471.5	-50479.0	3578.3	-4222.0		
				5222	271659.8	-1629909.9	-317404.3	14186.2	-29003.7	-1275.3		
				5221	-689466.9	-823962.8	-708479.8	14484.0	-29270.8	761.4		
2277	3	3	env SL~1	MAX	5216	-214993.5	1583294.7	553104.0	-6683.7	61095.3	1858.1	
					5217	727352.7	786969.8	1165901.0	-8277.0	65299.6	-713.9	

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				5223	1344743.8	-199280.2	-510792.7	28002.8	-18134.7	389.2	
				5222	753465.2	684637.3	-567722.5	28425.0	-18526.4	3757.4	
				MIN	5216	-1346030.7	196753.7	456150.8	-55753.4	7324.1	-777.4
					5217	-750617.0	-683535.6	664287.2	-59590.1	9070.0	-4603.9
					5223	212224.9	-1584469.1	-617142.0	16549.1	-30685.9	-1428.7
					5222	-726145.5	-784370.6	-1035466.7	16906.5	-31148.5	838.3
2278	3	3	env SL~1 MAX	5217	-108589.3	1461165.8	900874.0	-9887.8	68269.3	2374.8	
				5218	823238.4	679372.2	1362475.0	-10207.9	69940.6	-648.0	
				5224	1215739.7	-95114.4	-718422.4	28034.7	-18163.6	68.2	
				5223	643469.0	771739.8	-747735.2	29018.2	-18692.4	3795.2	
				MIN	5217	-1214679.8	93700.5	690941.6	-62300.1	10835.1	-159.7
					5218	-641910.7	-772715.1	817139.0	-63825.3	11186.0	-4571.7
					5224	107025.3	-1460198.6	-977603.5	16575.5	-30720.8	-1658.1
					5223	-824307.1	-677950.2	-1268248.6	17058.0	-31798.5	802.7
2279	3	3	env SL~1 MAX	5218	3249.3	1175746.0	1102850.7	-8683.0	65470.6	2704.5	
				5219	1062479.4	535501.2	1085917.6	-6771.4	61356.1	-205.6	
				5225	960358.1	26357.2	-569609.7	24001.4	-15201.7	8.2	
				5224	510618.4	1040851.8	-715162.5	26477.1	-16431.8	3359.1	
				MIN	5218	-954824.4	-25765.8	703595.2	-59746.2	9514.9	258.2
					5219	-510768.3	-1046284.7	658274.9	-55991.4	7420.2	-3676.0
					5225	-2601.2	-1170696.1	-997484.1	13872.5	-26301.1	-1604.9
					5224	-1068511.4	-535637.9	-1186448.4	14995.0	-29013.9	542.9
2280	3	3	env SL~1 MAX	5219	68889.4	902196.8	383705.5	-3344.6	48761.7	2241.6	
				5119	1338210.9	419221.3	300766.5	-1524.3	41241.5	70.3	
				5118	745328.0	108284.4	430347.7	17000.3	-11632.3	218.9	
				5225	410594.0	1384178.4	-77742.6	19895.9	-12731.5	2495.1	
				MIN	5219	-736134.5	-107325.0	272278.3	-44498.2	3665.0	52.4
					5119	-410388.8	-1393714.6	-570199.4	-37624.8	1681.2	-2365.4
					5118	-67838.1	-893807.2	-180364.3	10625.1	-18617.6	-1133.6
					5225	-1348660.8	-419034.1	-442763.1	11618.3	-21802.2	289.9
2281	3	3	env SL~1 MAX	5220	-184429.8	1463643.9	88075.5	-11629.9	26788.7	1862.7	
				5221	771279.1	729556.5	517422.6	-13232.0	28223.7	-1405.1	
				5227	1395845.8	-165302.4	168097.0	35550.2	-28444.0	-120.5	
				5226	731054.1	859100.8	-1557.0	37416.1	-30243.8	3263.2	
				MIN	5220	-1394945.5	165018.1	-192742.9	-24446.4	12744.2	-53.2
					5221	-731954.4	-860209.5	75090.9	-25755.9	14499.8	-3089.8
					5227	184118.2	-1462500.4	-91596.2	25957.0	-38956.4	-1967.8
					5226	-772494.0	-729307.0	-450853.8	27599.4	-41001.0	1737.2

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2282 3 3 env SL~1 MAX 5221 -185473.6 1523345.1 240724.6 -13438.0 28344.2 1669.8
5222 706424.5 742461.6 784194.1 -15314.8 29991.9 -1361.4
5228 1395862.7 -170150.3 -121238.5 33848.1 -27106.4 -131.3
5227 711129.5 776689.7 -260638.3 35401.7 -28589.8 3202.0

MIN 5221 -1394434.9 169406.0 30880.8 -25865.9 14725.6 -23.3
5222 -710352.6 -777957.4 371500.8 -27369.5 16782.1 -3132.3
5228 184657.9 -1522042.1 -312636.3 24736.3 -37091.2 -1809.1
5227 -707813.7 -741752.6 -651913.6 26090.0 -38793.7 1613.9

2283 3 3 env SL~1 MAX 5222 -134273.6 1476638.5 536039.1 -15778.0 30160.4 1596.6
5223 728835.1 701065.3 1070481.2 -17562.0 31622.9 -1309.4
5229 1343294.9 -119921.4 -485117.5 32369.6 -25881.7 -124.4
5228 667431.8 790971.5 -512041.7 33963.2 -27450.7 3194.1

MIN 5222 -1341752.0 119093.6 405809.1 -27523.3 17289.7 44.9
5223 -666557.0 -792350.0 604349.3 -28857.9 19244.7 -3168.3
5229 133366.6 -1475230.5 -593497.8 23618.7 -35471.0 -1707.6
5228 -730345.7 -700267.1 -949249.9 25050.6 -37217.3 1518.6

2284 3 3 env SL~1 MAX 5223 -42893.5 1352544.6 853089.2 -16916.9 30861.5 1558.1
5224 818095.7 602055.9 1235111.8 -16639.7 31471.1 -1173.7
5230 1223108.1 -25171.2 -674832.3 30483.0 -24081.5 -102.0
5229 572106.3 881779.5 -677741.8 32236.3 -25716.4 3111.9

MIN 5223 -1220761.3 24685.5 654178.6 -28163.1 18537.7 151.1
5224 -571628.6 -883868.4 740318.3 -28719.4 18234.0 -3056.7
5230 42361.4 -1350403.0 -917189.1 21975.9 -33403.7 -1603.5
5229 -820384.8 -601620.0 -1152733.3 23467.9 -35325.0 1388.8

2285 3 3 env SL~1 MAX 5224 45584.0 1105677.7 986134.4 -14930.8 28263.6 1469.6
5225 1030134.3 483522.5 960852.8 -13908.0 27015.0 -908.2
5231 996607.9 70272.0 -546753.8 27158.7 -20456.3 60.4
5230 461207.3 1114663.7 -632513.9 29493.2 -22801.8 2924.8

MIN 5224 -993005.6 -70196.1 666792.4 -25792.4 16361.4 162.2
5225 -461353.7 -1117959.4 569803.8 -24652.9 15240.6 -2680.2
5231 -45500.8 -1102760.9 -851260.2 18667.7 -29760.9 -1437.6
5230 -1033745.8 -483193.9 -1059681.5 20808.1 -32319.1 1182.8

2286 3 3 env SL~1 MAX 5225 100349.4 942950.0 314353.3 -11582.8 21088.3 1228.0
5118 1219045.3 384151.3 203116.0 -10600.7 18612.0 -708.2
5117 858685.6 133539.1 356212.8 24037.9 -16548.2 215.4
5231 370259.0 1336507.6 -68008.4 25860.3 -18695.3 2535.2

MIN 5225 -853597.5 -132910.5 211011.6 -19244.4 12692.6 42.0
5118 -369754.0 -1342240.1 -447125.5 -16974.1 11627.3 -2080.4

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				5117	-99660.6	-938306.8	-102729.8	15110.6	-26315.5	-1215.4	
				5231	-1225327.2	-383690.4	-373094.6	17060.7	-28338.1	966.6	
2287	3	3	env SL~1 MAX	5226	-93157.0	1371829.7	100487.8	-26241.5	39456.5	2200.6	
				5227	836216.3	635519.0	457545.5	-26992.8	40153.5	-2235.4	
				5233	1296780.1	-77396.4	163143.3	58403.5	-36160.7	-362.4	
				5232	629424.3	945127.5	8309.1	61248.0	-38629.9	5066.0	
			MIN	5226	-1294769.6	77634.6	-184197.6	-36006.6	28755.7	276.1	
				5227	-631434.8	-947336.6	55755.7	-36642.6	29579.1	-4415.4	
				5233	93418.0	-1369538.5	-101465.6	32999.0	-63999.4	-2212.7	
				5232	-838637.1	-635827.3	-394568.3	35252.3	-67116.3	2513.9	
2288	3	3	env SL~1 MAX	5227	-83705.4	1413232.2	246800.1	-25054.2	37596.6	2009.3	
				5228	783973.6	633621.8	698129.1	-25835.9	38367.2	-2077.8	
				5234	1314560.7	-68821.0	-107630.7	54504.3	-33601.6	-287.4	
				5233	602656.1	882663.5	-216790.5	56923.9	-35583.4	4795.7	
			MIN	5227	-1311489.1	69114.3	26271.1	-34309.3	27454.8	202.6	
				5228	-603080.4	-885372.7	321344.1	-35012.5	28311.3	-4229.3	
				5234	84026.8	-1410429.3	-313854.5	30663.6	-59726.6	-2046.3	
				5233	-786942.4	-634008.9	-574846.7	32472.1	-62378.0	2310.4	
2289	3	3	env SL~1 MAX	5228	-37765.1	1369123.6	526501.6	-23951.0	35941.3	1860.8	
				5229	798759.0	592726.8	956868.7	-24704.3	36735.5	-1938.1	
				5235	1270958.5	-20276.1	-442621.9	50939.1	-31407.3	-172.2	
				5234	563400.4	895558.5	-451702.2	53381.7	-33420.2	4613.4	
			MIN	5228	-1267891.4	20560.6	372359.4	-32798.8	26245.8	111.2	
				5229	-563795.7	-898267.7	539736.2	-33523.5	27071.3	-4091.6	
				5235	38076.9	-1366324.7	-579058.3	28661.2	-55819.7	-1890.1	
				5234	-801727.7	-593087.6	-844683.3	30498.1	-58496.4	2156.8	
2290	3	3	env SL~1 MAX	5229	41287.2	1248310.6	815466.9	-22514.0	34060.5	1714.3	
				5230	882800.1	503680.4	1092981.7	-22753.9	34558.6	-1769.2	
				5236	1158071.9	64636.0	-640012.3	47155.4	-28851.1	-42.2	
				5235	480244.8	985135.6	-603883.4	49690.3	-31022.9	4402.1	
			MIN	5229	-1154781.5	-64326.8	625533.9	-31082.4	24671.2	25.6	
				5230	-480679.9	-988040.0	660284.7	-31537.0	24934.0	-3898.5	
				5236	-40948.3	-1245307.9	-866286.3	26328.5	-51673.5	-1713.0	
				5235	-885982.8	-504077.5	-1020928.8	28310.4	-54451.3	1999.0	
2291	3	3	env SL~1 MAX	5230	109175.3	1040803.9	901690.0	-19969.6	31164.2	1525.4	
				5231	1062937.2	408255.6	842081.0	-19815.0	31208.1	-1545.1	
				5237	966563.3	137043.4	-534298.9	42265.3	-24885.0	209.3	
				5236	391091.5	1180595.8	-555743.4	45311.6	-27686.4	4178.3	

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			MIN	5230	-963329.9	-136828.2	643394.6	-28439.3	21882.9	-142.1		
				5231	-391424.4	-1183454.6	495386.3	-28479.4	21713.5	-3655.2		
				5237	-108939.6	-1038205.4	-759685.6	22709.1	-46314.8	-1468.2		
				5236	-1066069.9	-408559.4	-929259.9	25265.7	-49653.0	1810.8		
2292	3	3	env SL~1	MAX	5231	144763.4	957470.5	278649.8	-15846.4	26890.9	1296.4	
					5117	1181830.4	332411.5	112744.2	-15087.0	26302.4	-1320.5	
					5116	891771.5	177028.8	311595.2	38229.1	-21415.5	306.3	
					5237	318278.5	1317409.6	-50295.5	40517.2	-23585.4	3741.8	
				MIN	5231	-887504.9	-176053.1	157117.3	-24539.7	17364.7	-257.1	
					5117	-318204.6	-1322346.3	-387505.0	-23979.3	16542.8	-3233.6	
					5116	-143694.2	-953576.9	-40797.5	19552.2	-41866.6	-1246.2	
					5237	-1187240.1	-332344.0	-305965.1	21523.2	-44399.3	1557.1	
2293	3	3	env SL~1	MAX	5232	7671.3	1260273.1	103769.1	-33647.9	65207.9	2517.7	
					5233	931529.7	521440.8	373224.8	-34173.8	65419.1	-2907.1	
					5239	1180111.0	27307.7	147266.0	80851.8	-43749.7	-602.5	
					5238	497421.3	1049267.1	43398.3	84741.1	-45785.9	7011.8	
				MIN	5232	-1176751.8	-26480.0	-170095.6	-59506.4	36871.8	567.1	
					5233	-498453.6	-1052218.2	19484.1	-59699.1	37448.1	-6274.0	
					5239	-6764.4	-1257207.6	-108083.5	39924.4	-88598.5	-2789.4	
					5238	-934763.5	-522382.9	-308472.3	41782.6	-92860.4	3162.5	
2294	3	3	env SL~1	MAX	5233	27883.5	1285106.4	256355.9	-31297.3	60958.3	2282.8	
					5234	891976.3	506217.3	595078.7	-31910.5	61236.1	-2699.1	
					5240	1200673.6	49363.6	-111463.1	75542.8	-41119.3	-552.5	
					5239	482960.5	1003910.1	-168643.8	78603.9	-42318.8	6565.9	
				MIN	5233	-1196138.4	-47927.5	38478.6	-55628.3	34296.0	466.1	
					5234	-484654.8	-1007897.2	267587.2	-55881.9	34968.0	-5925.0	
					5240	-26309.8	-1280967.7	-319287.4	37524.0	-82780.8	-2569.7	
					5239	-896345.4	-507763.5	-480171.3	38618.6	-86135.1	2900.2	
2295	3	3	env SL~1	MAX	5234	68483.1	1243817.9	522700.5	-29251.2	56986.9	2022.8	
					5235	900476.7	466038.9	827410.2	-29905.6	57325.8	-2554.7	
					5241	1164605.0	96289.7	-418676.1	71034.7	-39227.0	-440.8	
					5240	448053.5	1015216.6	-388333.6	74057.1	-40293.4	6289.5	
				MIN	5234	-1160057.8	-94817.5	357235.3	-52004.2	32053.8	338.2	
					5235	-449782.4	-1019216.9	472026.6	-52313.5	32771.0	-5674.8	
					5241	-66869.9	-1239668.3	-570921.0	35797.2	-77840.8	-2295.5	
					5240	-904860.3	-467616.6	-724046.5	36770.3	-81152.8	2762.0	
2296	3	3	env SL~1	MAX	5235	135369.8	1128058.4	787008.6	-27066.0	52945.2	1806.3	

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				5236	978199.6	386456.2	938902.9	-27508.1	53095.2	-2396.0		
				5242	1059953.0	171046.6	-613227.7	66141.9	-36589.2	-268.8		
				5241	376404.6	1101749.6	-528235.0	69381.9	-38048.7	6016.4		
				MIN	5235	-1055598.8	-169864.3	603699.3	-48315.9	29659.3	195.3	
				5236	-377841.8	-1105573.5	579686.3	-48452.8	30143.8	-5399.1		
				5242	-134074.2	-1124085.0	-826148.3	33390.0	-72479.2	-1987.8		
				5241	-982389.9	-387767.8	-875416.4	34721.9	-76029.6	2648.1		
2297	3	3	env SL~1	MAX	5236	184845.3	958056.0	843954.2	-24086.0	48231.3	1533.6	
				5237	1127015.5	313318.0	725009.7	-24240.4	48161.9	-2187.2		
				5243	901251.4	222532.2	-521081.2	59347.1	-31772.9	106.1		
				5242	306638.0	1261796.4	-484328.7	63484.7	-34192.5	5756.4		
				MIN	5236	-897965.9	-222147.8	616069.4	-44014.2	26393.8	-76.1	
				5237	-307216.6	-1264677.5	431263.3	-43950.9	26562.9	-5112.2		
				5243	-184424.0	-955506.9	-707557.7	28994.8	-65033.3	-1503.9		
				5242	-1130172.7	-313460.5	-794113.9	31202.9	-69567.4	2500.8		
2298	3	3	env SL~1	MAX	5237	197057.4	940284.1	255575.2	-19992.0	42552.2	1263.2	
				5116	1188328.3	268903.3	35671.0	-19528.7	41853.4	-1886.0		
				5115	882028.1	234128.3	375826.5	53353.3	-26536.9	255.2		
				5243	259957.3	1331310.3	-28958.8	56594.5	-28716.5	5184.3		
				MIN	5237	-877732.3	-232793.9	91569.7	-38831.6	21907.5	-222.1	
				5116	-260307.5	-1336245.4	-361661.0	-38170.8	21409.9	-4580.1		
				5115	-195595.0	-936363.9	2318.1	24225.2	-58440.2	-1276.4		
				5243	-1193736.2	-269222.8	-247449.1	26205.6	-62017.0	2163.7		
2299	3	3	env SL~1	MAX	5238	118352.9	1127099.6	97088.1	-40702.1	90324.5	3483.4	
				5239	1051022.1	389687.0	264585.1	-40532.5	90349.5	-3519.0		
				5245	1052514.0	146089.9	119805.7	102679.9	-48315.6	-692.7		
				5244	375245.4	1173216.9	102828.2	107765.2	-50505.6	9087.1		
				MIN	5238	-1048353.5	-144529.3	-150907.8	-82426.9	44601.9	729.7	
				5239	-377129.0	-1176855.2	-32662.1	-82449.7	44416.0	-8272.2		
				5245	-116642.8	-1123303.0	-111400.1	44091.1	-112518.0	-3660.1		
				5244	-1055008.9	-391405.9	-191560.1	46089.6	-118090.5	3765.4		
2300	3	3	env SL~1	MAX	5239	146784.4	1136706.8	269321.7	-38047.0	84384.2	3227.9	
				5240	1020691.9	362260.6	475346.7	-38065.9	84650.9	-3287.2		
				5246	1063840.4	181546.7	-132892.0	97108.7	-47448.2	-853.2		
				5245	353367.3	1143307.3	-114519.4	100321.1	-47832.8	8439.1		
				MIN	5239	-1057027.6	-178293.8	68320.2	-77006.0	41692.4	711.0	
				5240	-357059.3	-1149408.2	210834.4	-77249.3	41713.1	-7782.2		
				5246	-143219.8	-1130489.7	-329025.3	43299.5	-106413.0	-3510.5		
				5245	-1027377.3	-365629.7	-368852.1	43650.5	-109933.2	3432.5		

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2301 3 3 env SL~1 MAX 5240 179446.4 1095460.1 523762.8 -36284.9 79282.7 2953.4
5241 1020216.6 320518.8 682225.7 -36287.1 79707.4 -3222.7
5247 1037828.2 229142.3 -413259.4 93721.6 -48755.8 -922.6
5246 325205.0 1155278.3 -322389.3 96652.4 -48838.9 8157.2

MIN 5240 -1030775.9 -225670.1 360163.0 -72350.5 39761.4 679.2
5241 -329130.6 -1161603.9 401807.0 -72738.1 39763.9 -7504.1
5247 -175641.5 -1089024.5 -568359.8 44492.8 -102701.4 -3285.8
5246 -1027014.3 -324101.1 -587206.5 44568.6 -105913.0 3407.4

2302 3 3 env SL~1 MAX 5241 232833.7 983241.1 767572.8 -34231.9 74163.0 2634.3
5242 1088549.9 248097.3 772451.4 -33915.1 74287.1 -3165.7
5248 944295.8 296294.4 -594063.7 89193.7 -48036.6 -771.3
5247 266480.1 1239678.2 -451470.3 92859.3 -49332.9 7954.3

MIN 5241 -938282.3 -293869.9 588240.3 -67678.5 37511.8 566.3
5242 -269325.3 -1244947.9 499216.6 -67791.7 37164.6 -7223.5
5248 -230176.8 -977753.4 -797308.4 43836.5 -97739.7 -2917.2
5247 -1094324.4 -250693.8 -716130.4 45019.4 -101756.5 3486.1

2303 3 3 env SL~1 MAX 5242 266756.0 847899.3 809108.8 -30677.8 67759.5 2075.0
5243 1209576.5 198778.1 604793.4 -29753.6 67442.9 -2994.8
5249 813857.2 329357.4 -513952.4 79862.6 -41115.1 -133.8
5248 215920.3 1369763.4 -417078.0 85724.2 -45116.4 7745.2

MIN 5242 -811335.9 -328886.5 598339.8 -61834.9 33617.1 160.8
5243 -215628.3 -1372780.7 374613.4 -61546.0 32604.3 -6898.3
5249 -266664.3 -845598.5 -685821.2 37520.1 -87514.5 -2146.5
5248 -1212458.6 -198511.5 -651242.3 41171.6 -93937.7 3482.6

2304 3 3 env SL~1 MAX 5243 255000.2 891168.7 247462.7 -25446.9 59607.4 1681.4
5115 1223241.1 195038.9 -24557.4 -24203.8 58426.9 -2534.9
5114 844777.1 304855.5 420324.7 69899.9 -31562.4 242.4
5249 199630.2 1377806.4 13191.9 75007.3 -35664.1 6955.3

MIN 5243 -840993.7 -303916.6 69467.6 -54395.6 27885.0 -129.0
5115 -199514.0 -1382303.9 -461061.3 -53295.4 26532.2 -6159.4
5114 -253971.3 -887698.0 23760.2 28811.2 -76572.5 -1694.7
5249 -1228169.6 -194932.9 -200550.3 32545.8 -82194.0 2976.1

2305 3 3 env SL~1 MAX 5244 243983.6 974602.5 80274.9 -44618.0 114467.3 4120.4
5245 1202730.0 240005.8 129725.5 -44642.2 114625.5 -4078.1
5251 889914.1 279103.4 77189.4 118580.8 -46813.0 -390.6
5250 233890.3 1314263.6 187749.2 124836.9 -50602.1 11034.8

MIN 5244 -884547.0 -276227.3 -124386.6 -104458.8 48893.0 577.9

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				5245	-237237.3	-1318983.2	-100759.9	-104603.1	48919.5	-10275.7	
				5251	-240831.9	-969704.6	-112692.3	42719.9	-129942.4	-4109.0	
				5250	-1207901.9	-243060.1	-47694.5	46177.7	-136798.0	4247.9	
2306	3	3	env SL~1 MAX	5245	273444.8	968948.1	288109.6	-43099.4	107825.6	4027.5	
				5246	1171477.4	199294.9	337289.3	-43925.5	108711.3	-3890.1	
				5252	901406.2	330029.1	-174507.8	116086.4	-53820.8	-1260.9	
				5251	212053.3	1299183.7	-53610.9	117885.7	-51282.3	10122.6	
			MIN	5245	-889580.2	-322786.0	119320.8	-98397.8	47228.8	913.0	
				5246	-220025.3	-1309943.8	150781.4	-99206.1	48134.1	-9664.4	
				5252	-265507.7	-958156.1	-343680.7	49114.9	-127209.0	-4360.7	
				5251	-1183167.4	-206569.8	-239867.8	46798.4	-129180.7	3847.8	
2307	3	3	env SL~1 MAX	5246	289779.3	918419.0	529635.1	-43942.7	103614.7	3968.6	
				5247	1152185.6	147676.6	544411.9	-45125.0	104981.1	-4133.7	
				5253	895866.1	387055.3	-428643.6	119771.9	-65822.0	-2013.5	
				5252	198767.1	1322079.4	-253127.7	120387.7	-63617.8	10044.7	
			MIN	5246	-882905.1	-378910.7	383120.9	-94555.1	48152.9	1303.0	
				5247	-207712.5	-1333888.6	328559.9	-95802.0	49448.6	-9542.6	
				5253	-281248.2	-906591.3	-571516.2	60066.8	-131247.6	-4550.2	
				5252	-1164732.3	-155839.8	-456415.6	58055.4	-131922.4	4214.1	
2308	3	3	env SL~1 MAX	5247	324510.1	803262.1	758030.6	-44387.2	99476.8	3730.4	
				5248	1202966.3	77843.4	646046.3	-44634.4	100056.0	-4432.2	
				5254	821447.5	453262.3	-582877.6	119966.4	-71274.9	-2016.6	
				5253	161573.2	1412775.0	-373077.8	122987.1	-71892.9	10300.9	
			MIN	5247	-812009.8	-448448.0	579676.7	-90779.0	48640.1	1406.1	
				5248	-166681.1	-1421191.8	418201.6	-91307.5	48911.0	-9481.6	
				5254	-319371.7	-795156.0	-780628.6	65043.0	-131460.8	-4235.6	
				5253	-1212052.3	-82347.0	-595258.8	65606.9	-134770.8	4949.5	
2309	3	3	env SL~1 MAX	5248	351816.3	701913.3	794851.6	-40373.7	91621.4	2868.1	
				5249	1308015.3	58511.8	519462.0	-38805.1	90746.4	-4371.0	
				5255	722499.4	474150.6	-521321.0	106498.2	-62416.4	-702.6	
				5254	135257.5	1525464.8	-351836.7	115612.4	-69271.4	10439.4	
			MIN	5248	-721861.0	-476090.4	592940.1	-83610.4	44242.0	717.9	
				5249	-132633.3	-1526502.3	322140.6	-82811.9	42523.2	-9208.6	
				5255	-353942.0	-701059.1	-688998.1	56959.0	-116702.2	-2849.2	
				5254	-1309152.1	-56189.7	-560744.5	63214.6	-126689.6	5404.5	
2310	3	3	env SL~1 MAX	5249	319031.0	810013.4	257354.3	-31260.8	78962.1	2074.5	
				5114	1285342.8	108944.4	-65084.6	-28790.0	76559.1	-3514.1	
				5113	789304.6	397951.4	383753.5	86690.9	-40829.5	407.1	

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				5255	142991.6	1465817.8	91699.1	96216.2	-50405.1	9268.1		
			MIN	5249	-788754.4	-400541.8	104507.3	-72058.0	34256.0	-18.6		
				5114	-139431.0	-1466978.7	-538037.1	-69842.6	31557.6	-8082.1		
				5113	-321869.6	-809511.3	19258.0	37267.8	-94972.8	-1780.3		
				5255	-1286615.0	-105695.2	-165412.6	45997.9	-105435.0	4473.4		
2311	3	3	env SL~1 MAX	5250	400023.7	817574.1	56155.6	-41604.9	130982.1	3679.1		
				5251	1417425.4	73376.1	32173.7	-43859.2	132190.2	-4349.6		
				5257	659171.4	425922.0	12273.5	105741.3	-17598.5	1048.6		
				5256	55463.1	1457847.3	301258.0	111792.0	-18973.7	11573.0		
			MIN	5250	-650416.8	-419258.7	-84568.2	-119529.6	45591.2	-544.8		
				5251	-62834.2	-1465773.2	-186021.6	-120632.0	48061.5	-11507.3		
				5257	-392721.9	-809585.0	-116733.4	16059.8	-115872.7	-3121.0		
				5256	-1426110.6	-80102.7	74409.6	17314.7	-122503.1	4087.9		
2312	3	3	env SL~1 MAX	5251	411457.0	789139.2	315599.0	-45659.1	126933.0	4290.5		
				5252	1360159.9	9099.5	259000.8	-50552.6	129873.1	-4470.6		
				5258	696477.2	504211.7	-241680.9	117045.9	-50463.6	-1910.7		
				5257	52834.7	1464395.1	12086.8	112629.2	-35975.1	10408.8		
			MIN	5251	-671602.9	-486566.9	198025.5	-115834.5	50033.9	957.4		
				5252	-71787.7	-1487443.5	86114.8	-118517.6	55396.2	-10907.3		
				5258	-393170.3	-766439.8	-364494.3	46051.3	-128260.5	-4687.2		
				5257	-1384368.1	-26395.3	-163990.3	32829.6	-123420.5	3611.1		
2313	3	3	env SL~1 MAX	5252	390951.0	706862.7	541095.5	-56756.6	129258.2	5142.1		
				5253	1291015.0	-72170.0	456618.7	-61338.0	133818.3	-5689.6		
				5259	751418.3	599937.6	-464261.9	146066.2	-100236.1	-4387.5		
				5258	87516.7	1529333.2	-178405.6	137180.2	-87261.2	11117.8		
			MIN	5252	-721509.2	-578698.6	430554.7	-117956.5	62194.6	2760.3		
				5253	-110790.7	-1556627.2	250425.7	-122117.8	67215.0	-11470.5		
				5259	-368503.4	-680913.0	-587964.2	91471.9	-160061.3	-7185.6		
				5258	-1320097.7	52275.2	-370117.4	79631.5	-150323.8	5357.8		
2314	3	3	env SL~1 MAX	5253	392498.4	571535.9	760658.2	-64335.8	132200.2	5395.4		
				5254	1307914.5	-148252.3	557423.9	-66714.1	134411.9	-7145.6		
				5260	732217.3	689526.8	-581367.0	164582.8	-125100.1	-4716.7		
				5259	104182.6	1661385.2	-291413.1	163363.6	-120973.9	13047.3		
			MIN	5253	-714274.9	-678889.1	579751.1	-120641.2	70500.0	3311.9		
				5254	-115887.6	-1677889.6	334951.8	-122659.5	73106.1	-12330.4		
				5260	-380650.0	-555617.8	-778284.0	114161.9	-180352.0	-7425.2		
				5259	-1326000.3	138026.2	-511452.9	110396.5	-179016.0	7908.6		

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2315	3	3	env	SL~1	MAX	5254	413053.5	487626.0	800197.8	-61543.5	123738.6	3878.3
						5255	1408497.1	-136934.3	465757.7	-59753.0	121264.5	-7464.1
						5261	647148.7	686050.0	-541410.1	142600.8	-107079.4	-2189.9
						5260	97474.0	1760993.4	-285077.3	159173.9	-121444.6	14457.6
					MIN	5254	-654336.0	-695916.2	599762.5	-112919.4	67440.2	2179.8
						5255	-85594.7	-1755408.9	268647.7	-110661.6	65478.1	-12419.7
						5261	-423865.0	-493161.8	-713192.7	97716.8	-156263.9	-3637.0
						5260	-1402377.5	146753.3	-497643.1	110826.0	-174424.9	9526.1
2316	3	3	env	SL~1	MAX	5255	383181.7	675988.5	296613.0	-43725.4	100872.7	1954.4
						5113	1375616.2	-7305.3	-82068.9	-37246.9	94959.3	-5507.2
						5112	713447.6	527068.6	220737.7	94786.9	-61252.5	1231.5
						5261	99251.9	1610359.8	147125.9	116529.0	-81598.6	12488.3
					MIN	5255	-726560.3	-541986.9	215866.2	-92052.8	47914.9	84.8
						5113	-81382.4	-1599782.4	-541806.9	-86634.3	40824.7	-10421.4
						5112	-399529.3	-686708.3	-18913.8	55904.9	-103844.9	-597.0
						5261	-1364025.4	23216.9	-142561.6	74464.0	-127694.0	8019.7
2317	3	3	env	SL~1	MAX	5256	648127.8	727358.4	40387.6	-7918.6	111360.9	793.8
						5257	1802025.4	-85911.6	-75811.7	-15619.6	117232.2	-1293.4
						5263	284854.1	580622.3	-47197.1	21672.0	101925.4	5864.2
						5262	-191250.3	1548373.4	452160.6	4324.1	114903.4	5918.5
					MIN	5256	-262716.4	-559821.1	-64266.4	-101624.0	8677.3	-4619.6
						5257	169329.5	-1569372.5	-293510.2	-106981.9	17116.1	-8975.8
						5263	-626401.4	-708050.9	-127829.8	-93004.3	-23738.2	-1703.8
						5262	-1823968.7	66802.1	219721.3	-104847.9	-4728.5	-2384.7
2318	3	3	env	SL~1	MAX	5257	591768.6	644724.1	356535.5	-33269.8	122061.1	5382.5
						5258	1648070.3	-209683.9	174666.7	-46589.6	130859.1	-2519.3
						5264	429971.7	735624.8	-321357.6	122593.1	-13650.6	-2674.1
						5263	-110880.6	1617874.9	87866.9	79758.9	37036.9	5232.5
					MIN	5257	-366978.4	-688262.1	291076.3	-111388.6	36457.4	445.4
						5258	59711.3	-1676027.7	-17242.7	-119417.4	51053.5	-9084.6
						5264	-542391.2	-590039.4	-394696.4	12466.3	-134328.7	-9462.3
						5263	-1709271.8	165789.3	-90390.6	-33789.3	-87390.6	-2337.3
2319	3	3	env	SL~1	MAX	5258	460434.6	445698.5	566409.0	-78900.8	147725.2	10970.8
						5259	1434121.4	-398825.0	361521.0	-92026.1	162246.6	-7534.0
						5265	648703.3	954323.9	-480923.5	274878.1	-170602.2	-9601.0
						5264	48729.7	1816568.0	-36100.2	216824.4	-125597.7	8319.9
					MIN	5258	-569226.0	-894132.3	453358.7	-134808.7	86460.5	6162.7
						5259	-113736.4	-1889964.9	110884.8	-148060.5	100843.4	-11880.7
						5265	-397462.7	-376641.5	-617319.0	155708.0	-301204.4	-18503.0

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			5264	-1511564.0	342973.4	-274797.5	114638.3	-237588.5	3662.6		
2320	3	3 env SL~1 MAX	5259	439653.9	197388.3	779932.3	-109842.2	176830.7	13499.3		
			5260	1336618.3	-544819.3	473221.5	-116145.9	184053.7	-11812.6		
			5266	752861.2	1118719.0	-593537.1	371867.2	-257152.3	-11144.4		
			5265	189602.1	2069162.7	-118810.8	350241.1	-238746.5	18074.1		
		MIN	5259	-710211.6	-1091449.9	591994.7	-161369.3	120366.6	8302.2		
			5260	-219252.9	-2108294.0	164892.9	-167960.8	127274.2	-15852.6		
			5266	-402924.3	-159743.1	-795142.6	234690.7	-407486.7	-19865.3		
			5265	-1379002.9	519036.3	-423215.8	217894.0	-383788.2	12971.0		
2321	3	3 env SL~1 MAX	5260	590077.8	113769.1	825430.3	-108841.9	170723.2	8951.8		
			5261	1446995.5	-479132.2	405477.0	-102274.7	163398.2	-13351.5		
			5267	652870.4	1049323.0	-571330.9	299292.0	-210037.8	-3666.2		
			5266	197627.8	2161874.9	-99058.0	350070.2	-249716.8	24994.0		
		MIN	5260	-685335.5	-1084661.2	619430.9	-155795.9	119270.4	5122.5		
			5261	-156285.5	-2134637.7	104144.3	-149111.4	112074.0	-17528.3		
			5267	-607028.9	-140278.6	-755446.3	191695.5	-327958.3	-9118.7		
			5266	-1417148.5	513742.6	-430079.4	227905.4	-383601.2	18351.1		
2322	3	3 env SL~1 MAX	5261	574237.9	443302.1	430306.9	-69906.0	120559.7	1475.0		
			5112	1500966.5	-185965.0	-68589.2	-55884.3	103831.2	-9605.1		
			5111	615568.9	722405.3	-100009.2	110009.8	-64666.9	5199.0		
			5267	104598.8	1856547.8	178622.9	188204.4	-128720.6	19800.3		
		MIN	5261	-674773.6	-778925.3	326581.7	-110018.5	76604.0	-243.7		
			5112	-38869.5	-1805982.1	-427859.9	-94731.0	61247.5	-12996.4		
			5111	-609635.4	-492806.0	-139147.0	59034.4	-120540.5	2785.7		
			5267	-1445555.9	241423.1	-131381.1	117488.4	-206227.0	14804.5		
2361	3	3 env SL~1 MAX	5008	2462533.5	1796330.4	-213248.1	36068.0	613793.5	-4.2		
			5125	1895843.0	2215000.9	191317.1	287495.6	489577.9	-4.2		
			5268	7835031.7	172780.1	530557.8	278686.8	733476.3	0.0		
			5272	63134.5	8858644.8	213736.3	-28915.9	2528.7	0.0		
		MIN	5008	-9165242.2	-269702.3	-497052.2	-419585.1	241638.7	-6.1		
			5125	-278384.0	-9490873.5	-117701.0	-364276.7	300132.7	-6.0		
			5268	-2249281.8	-1162333.1	269676.0	135928.8	190990.2	0.0		
			5272	-560044.2	-2119739.0	-40903.9	-215331.1	-251601.7	0.0		
2362	3	3 env SL~1 MAX	5125	1125439.9	399127.1	-185008.1	-33214.2	274921.2	-4.2		
			5110	-727.7	1875268.0	648113.0	687845.5	111386.6	-4.3		
			5138	3636809.2	199692.5	-250476.6	247415.2	604541.4	-4.4		
			5268	53559.7	8967603.7	629197.3	-11755.1	-107308.5	0.0		

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			MIN	5125	-3129808.3	-19650.5	-401552.9	-330520.3	-640716.9	-6.0	
				5110	-104452.8	-8551423.1	42860.3	-452119.0	22542.0	-6.0	
				5138	-1167106.4	-812794.5	-478694.9	-236271.4	-307597.8	-6.4	
				5268	-499698.3	-2055310.0	361835.1	-453749.0	-208880.0	0.0	
2363	3	3	env SL~1	MAX	5272	2280251.6	10736.5	-227187.2	-312121.8	-296461.9	0.0
					5268	-5417.6	1955461.7	236767.8	601703.3	503192.5	0.0
					5269	7833127.7	71242.6	50799.4	360596.3	1156106.7	0.0
					5273	93211.9	8128516.6	458316.8	-469522.8	-158293.5	0.0
				MIN	5272	-7770986.3	-147152.4	-441877.1	-487763.0	-589281.3	0.0
					5268	-122075.9	-7885859.5	14343.5	132858.5	276078.6	0.0
					5269	-2302393.5	-101018.6	-1491.1	88378.4	593426.3	0.0
					5273	-12170.4	-2031561.3	305446.7	-759287.0	-242615.1	0.0
2364	3	3	env SL~1	MAX	5268	1979806.2	103733.6	262460.4	-253380.5	-359760.2	0.0
					5138	70049.5	2278238.4	210902.1	225901.6	-141311.6	-4.5
					5139	7481544.2	349110.2	-562770.1	-18409.5	142639.0	-4.4
					5269	320049.7	8694524.3	884900.0	-277812.1	-222483.7	0.0
				MIN	5268	-7434569.5	-35927.6	62729.6	-426641.1	-1027788.8	0.0
					5138	-366468.3	-9141634.6	-153646.3	-598487.2	-509559.3	-6.5
					5139	-2026161.9	-14792.2	-889997.2	-574542.2	-589183.1	-6.3
					5269	-25855.8	-2236321.1	576274.4	-711218.8	-514192.8	0.0
2365	3	3	env SL~1	MAX	5273	2280577.4	241149.7	-108294.9	-255052.0	-695255.2	0.0
					5269	167597.0	2181417.3	128499.4	910190.9	434489.7	0.0
					5270	8407154.2	91464.9	7377.6	189311.3	1347611.5	0.0
					5274	92336.0	7991856.4	476627.9	-817505.8	-59607.3	0.0
				MIN	5273	-8317674.6	-93103.8	-338060.1	-384430.9	-1095563.8	0.0
					5269	-88650.2	-8042550.4	-13834.4	451242.6	141312.9	0.0
					5270	-2284263.2	-190455.7	-81071.9	-34740.5	745091.7	0.0
					5274	-257048.0	-2180077.9	334413.3	-1255890.6	-94401.9	0.0
2366	3	3	env SL~1	MAX	5269	2168228.6	38572.2	578509.5	-261808.9	-512255.5	0.0
					5139	165379.1	2400034.7	-284973.4	-120072.8	-278223.5	-4.5
					5140	8870005.2	824061.7	-525250.1	-339203.7	-92707.6	-4.3
					5270	626585.8	7725400.4	975472.4	-495061.2	-194647.8	0.0
				MIN	5269	-8524186.4	-513610.9	353361.1	-559568.4	-1076403.6	0.0
					5139	-970856.1	-8035984.7	-507013.1	-793428.3	-749927.1	-6.4
					5140	-2267398.6	-114368.6	-851606.6	-815617.4	-747725.2	-6.1
					5270	-67655.1	-2323415.9	634040.5	-1011480.2	-468129.2	0.0
2367	3	3	env SL~1	MAX	5274	2124510.9	364101.4	304223.1	-6843.7	-902854.6	0.0
					5270	391575.7	2271609.8	-34511.5	1244021.3	90616.5	0.0

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				5271	8716587.8	33994.3	92003.4	-27611.7	1127548.4	0.0
				5275	23159.0	7248306.1	49368.7	-757892.5	91675.1	0.0
			MIN	5274	-8741087.2	-45595.8	119222.2	-24627.4	-1379833.4	0.0
				5270	-72121.5	-7258965.0	-63054.4	689701.9	-103428.7	0.0
				5271	-2075031.9	-353742.3	-75346.0	-57812.7	463832.7	0.0
				5275	-368804.0	-2260051.6	19227.1	-1296491.0	-63555.0	0.0
2368	3	3	env SL~1 MAX	5270	2160817.2	27022.6	897186.3	-159900.2	-449914.4	0.0
				5140	146760.8	2336822.7	-605050.3	-58139.6	-296272.9	-4.4
				5141	1.00e+007	501039.0	-46855.5	-486629.1	107633.8	-4.2
				5271	273681.1	6211794.2	556750.3	-545076.5	-122818.9	0.0
			MIN	5270	-9640475.4	-222023.4	578103.4	-421680.5	-966918.5	0.0
				5140	-662888.4	-6491992.0	-957833.5	-708897.4	-744625.4	-6.2
				5141	-2226361.8	-141215.5	-315621.7	-812199.1	-661235.6	-6.1
				5271	-80827.4	-2222301.1	364674.9	-1284700.6	-209628.8	0.0
2369	3	3	env SL~1 MAX	5275	2248558.9	1128424.6	984746.3	420581.8	-534589.6	0.0
				5271	1014568.8	2309153.3	491302.4	1292283.1	-206266.0	0.0
				5195	1.07e+007	257727.8	-109097.6	780441.1	34443.5	-4.5
				5194	197834.8	6397774.7	-578013.0	684894.5	-365548.1	-4.4
			MIN	5275	-1.04e+007	-151295.1	640198.1	194098.4	-1068844.4	0.0
				5271	-137005.3	-6148032.1	291431.0	562047.4	-304861.9	0.0
				5195	-2309508.2	-1376936.8	-364900.7	447958.8	-762089.5	-6.5
				5194	-1349912.6	-2415562.3	-917227.4	84148.6	-810291.1	-6.2
2370	3	3	env SL~1 MAX	5271	2013512.5	364348.0	1121907.6	31144.4	-114599.2	0.0
				5141	322897.6	1622167.1	-385026.1	536127.6	-59413.7	-4.2
				5123	9902309.2	42651.8	732181.8	23534.4	542994.4	-4.5
				5195	28980.5	3428012.1	-394700.6	361738.9	-52296.3	-4.7
			MIN	5271	-1.02e+007	-39747.5	701648.9	20933.2	-644172.7	0.0
				5141	-52807.4	-3466712.7	-688998.6	-345280.7	-420424.2	-6.1
				5123	-1889658.8	-326301.8	77040.7	-25775.7	-627153.1	-6.3
				5195	-73629.6	-1625075.1	-707828.0	-475065.7	-437166.6	-6.7
2371	3	3	env SL~1 MAX	5016	2462181.3	127082.3	-621162.9	-53624.8	1472887.7	-4.3
				5272	106158.9	2143279.5	216037.6	216173.7	806726.6	0.0
				5273	7706508.9	83031.3	1033753.8	312371.7	886722.5	0.0
				5278	45516.0	8839104.6	45089.2	-8225.2	416305.7	0.0
			MIN	5016	-7637286.4	-66029.8	-1027208.0	-138544.2	873517.5	-6.1
				5272	-89829.4	-8853638.8	119002.8	55987.7	542015.8	0.0
				5273	-2468106.5	-93119.4	645471.4	208444.1	553069.3	0.0
				5278	-141238.6	-2157848.5	-31926.4	-129782.8	219508.7	0.0

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2372	3	3	env SL~1	MAX	5278	2426838.2	213756.1	-415820.6	-21399.0	-261784.5	0.0
					5273	351881.3	2136659.1	212596.7	816732.7	449821.6	0.0
					5274	8091924.0	66054.6	447000.4	21814.0	1493422.2	0.0
					5279	86144.5	8476182.2	226111.3	-568381.9	374046.1	0.0
				MIN	5278	-8047122.1	-58743.2	-666827.7	-71483.2	-462706.1	0.0
					5273	-100910.3	-8378777.2	121779.1	516130.7	300479.5	0.0
					5274	-2412072.3	-311608.0	299111.5	-2921.9	980494.2	0.0
					5279	-396958.1	-2143375.1	171983.4	-873616.5	229438.5	0.0
2373	3	3	env SL~1	MAX	5279	2340625.2	577692.6	-139984.2	307737.1	-755840.9	0.0
					5274	677121.2	2213054.0	399839.4	1268762.8	-12501.5	0.0
					5275	8775731.6	29347.2	37972.5	-32110.3	1443604.2	0.0
					5280	76993.4	8049770.3	170061.2	-585506.3	424127.9	0.0
				MIN	5279	-8662022.4	-43244.4	-390243.3	195390.1	-1146248.3	0.0
					5274	-76285.6	-7994615.5	260854.7	831358.4	-42230.0	0.0
					5275	-2340942.8	-633922.2	-53970.8	-198741.8	848916.9	0.0
					5280	-791486.9	-2198345.2	58579.3	-970496.9	172015.0	0.0
2374	3	3	env SL~1	MAX	5280	2389067.8	1652970.6	641378.0	531726.7	-658456.7	0.0
					5275	1715033.0	2450376.6	925990.6	1074111.8	-252710.0	0.0
					5194	1.03e+007	301182.5	-539346.1	804701.9	-118701.7	-4.3
					5193	307046.1	7929973.0	-235111.3	741204.0	-362977.5	-4.1
				MIN	5280	-1.01e+007	-246745.9	404211.3	305339.2	-1204059.1	0.0
					5275	-230131.4	-7675546.5	589688.9	595904.4	-463449.3	0.0
					5194	-2466986.8	-1907254.6	-897989.8	357743.0	-822048.9	-6.1
					5193	-1894418.3	-2504638.5	-459666.0	86864.1	-818477.2	-5.8
2375	3	3	env SL~1	MAX	5024	2552740.3	347717.1	-722904.0	122029.6	1598008.3	-4.3
					5278	566447.6	2149944.3	112369.5	126633.1	462368.3	0.0
					5279	7769511.5	86613.7	1097524.5	-134455.4	931062.8	0.0
					5276	157747.6	8984773.5	129503.9	-43011.8	814125.3	0.0
				MIN	5024	-7630171.3	-97817.5	-1067740.7	70903.7	1035360.4	-6.2
					5278	-171198.7	-8871100.5	71197.7	17876.8	337600.4	0.0
					5279	-2538873.0	-462831.3	739808.1	-220037.4	593395.1	0.0
					5276	-706662.7	-2137582.6	83174.5	-148329.7	537963.6	0.0
2376	3	3	env SL~1	MAX	5276	2407645.1	782319.0	-346503.4	413157.5	-312484.8	0.0
					5279	1048549.0	2139431.7	433326.1	773547.8	-66992.7	0.0
					5280	8514752.9	89247.1	159215.2	-157341.4	1247410.7	0.0
					5277	179960.7	8643654.2	264971.1	-300064.6	617411.0	0.0
				MIN	5276	-8438790.8	-110054.3	-616848.1	266515.5	-523542.9	0.0
					5279	-167821.4	-8548719.6	281501.9	507447.2	-120366.9	0.0

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				5280	-2419417.1	-878905.1	59480.9	-368671.4	772122.2	0.0
				5277	-1124218.9	-2116972.9	121560.2	-562157.1	354154.5	0.0
2377	3	3	env SL~1 MAX	5277	2332979.6	1970999.1	315524.8	536871.8	-522840.7	0.0
				5280	2118728.5	2411950.9	929109.1	807441.7	-285680.4	0.0
				5193	1.01e+007	358508.7	-555122.1	594669.6	171513.8	-4.0
				5192	420217.0	8944742.7	168322.0	567774.9	-56599.4	-3.9
			MIN	5277	-9924515.2	-369020.8	-12980.2	349658.3	-991635.1	0.0
				5280	-360647.0	-8764798.3	614417.4	437508.4	-467479.5	0.0
				5193	-2392981.4	-2152853.3	-902282.8	87842.3	-645409.7	-5.7
				5192	-2259733.3	-2400258.7	-133550.5	-153461.5	-569530.3	-5.6
2378	3	3	env SL~1 MAX	5032	2299002.7	996215.4	-599065.7	223347.2	1140032.1	-4.3
				5276	1422332.8	2108115.3	192146.4	71545.4	50503.4	0.0
				5277	8132916.2	191087.1	713737.4	-270185.6	730972.9	0.0
				5281	354168.8	9024074.8	274295.0	-13637.7	788025.5	0.0
			MIN	5032	-7988396.6	-250595.4	-905938.0	154349.1	728477.0	-6.2
				5276	-339619.9	-8936631.1	124698.0	-21598.0	-15408.6	0.0
				5277	-2312766.5	-1086480.3	455806.4	-450917.5	425737.7	0.0
				5281	-1567359.3	-2046224.6	173437.0	-153230.5	514958.7	0.0
2379	3	3	env SL~1 MAX	5281	2142940.7	2288207.6	115116.7	418161.0	-237298.6	0.0
				5277	2627716.4	2340071.7	645139.8	476202.8	-250462.6	0.0
				5192	1.00e+007	452946.3	-325438.6	308072.6	511863.6	-3.7
				5191	553534.0	9578425.2	397517.9	342569.1	291510.8	-3.8
			MIN	5281	-9943713.3	-501951.6	-325036.9	289444.0	-546084.3	0.0
				5277	-526340.5	-9481465.1	435571.2	220591.8	-373369.5	0.0
				5192	-2170134.2	-2387415.5	-573157.6	-260500.6	-391937.9	-5.4
				5191	-2712381.0	-2288706.6	32649.7	-413997.4	-258672.7	-5.4
2380	3	3	env SL~1 MAX	5040	1863614.0	3021569.6	-92933.4	261354.0	606416.6	-3.7
				5281	3581886.2	2233124.6	334532.3	96764.3	-85341.2	0.0
				5191	9945910.4	497521.0	336560.8	97428.8	700523.1	-3.4
				5190	662725.9	9553454.4	346148.1	249383.9	660355.8	-3.5
			MIN	5040	-9686413.5	-632851.5	-741601.8	170437.9	188684.5	-5.4
				5281	-716211.8	-9656266.6	251817.6	-25935.7	-176313.9	0.0
				5191	-1810128.1	-2920275.8	-30213.9	-490992.6	-223366.9	-4.9
				5190	-3841383.0	-2098641.1	37326.5	-400057.5	50030.9	-5.0
2381	3	3	env SL~1 MAX	5016	1258041.3	4178354.5	-517601.3	742754.8	1226040.6	-3.4
				5008	1263777.3	1037769.9	-137858.6	-75597.5	1219893.3	-3.4
				5272	8137022.3	164621.6	1336832.8	486920.4	-66278.9	0.0

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				MIN	5016	-3984616.5	-1035526.5	-915965.0	460646.5	663522.7	-4.8
					5008	-4152405.7	-4336372.5	-327355.6	-179661.5	683174.4	-4.9
					5272	-2521818.5	-97583.4	740471.0	302865.9	-259101.3	0.0
2382	3	3	env SL~1	MAX	5024	1339831.4	4620639.8	-557211.7	753130.4	1740322.9	-3.5
					5016	1202109.1	1072213.7	-464919.1	-420279.6	1671542.1	-3.4
					5278	7334982.5	93892.4	1730518.8	74632.9	-281703.2	0.0
				MIN	5024	-3813090.7	-1166106.1	-852878.1	500110.8	1091797.1	-5.0
					5016	-3521891.8	-4463617.0	-784592.8	-704153.0	1042866.1	-4.8
					5278	-2541940.5	-230850.7	1106719.8	12084.6	-513494.1	0.0
2383	3	3	env SL~1	MAX	5032	1374986.7	5156864.3	-382136.0	520688.6	1583915.3	-3.5
					5024	1109219.5	1047152.9	-561610.3	-528121.1	1380754.2	-3.4
					5276	7493069.1	166873.7	1533487.3	-220087.8	-220335.9	0.0
				MIN	5032	-4289218.6	-1210988.8	-583748.3	342091.6	1032502.0	-5.0
					5024	-3203850.5	-4357425.6	-858277.9	-805402.7	900339.5	-4.9
					5276	-2484206.2	-802613.1	1026892.7	-336373.2	-445133.4	0.0
2384	3	3	env SL~1	MAX	5040	1290177.2	5592704.7	-162466.2	328672.9	1069859.6	-3.4
					5032	798981.8	863467.4	-412247.5	-405892.8	821773.1	-3.3
					5281	7654856.5	348005.0	1105881.4	-255126.8	42454.1	0.0
				MIN	5040	-4892571.4	-1209358.2	-373313.0	134103.9	626992.1	-4.9
					5032	-2762285.2	-3966527.5	-644670.3	-622261.0	459737.3	-4.8
					5281	-2089159.0	-1627495.0	675419.6	-368457.8	-161342.4	0.0
2385	3	3	env SL~1	MAX	5048	1066633.3	7305496.6	65345.2	231128.2	677135.3	-3.4
					5040	397139.4	806828.8	-84191.1	-226985.1	384662.3	-3.3
					5190	1.05e+007	572772.9	778303.0	11089.2	343570.5	-3.1
				MIN	5048	-7605104.0	-1368890.3	-198520.1	-74114.6	98993.4	-4.9
					5040	-2893236.1	-3325205.8	-456677.4	-521177.1	-16520.8	-4.8
					5190	-1463772.7	-3991377.9	213782.3	-505702.8	-345276.5	-4.4
2424	3	3	env SL~1	MAX	1008	2524873.2	292751.8	413610.2	-68675.6	-453412.8	-4.0
					5137	75716.3	2400432.4	-20372.4	120084.4	-159829.5	-4.0
					5283	1.18e+007	62817.2	-160097.6	-78520.8	-74697.8	-4.0
					5282	16246.8	1.12e+007	112250.0	-66815.0	-42498.1	-4.0
				MIN	1008	-1.18e+007	-62817.2	291461.6	-201063.8	-662270.0	-5.8
					5137	-16246.8	-1.12e+007	-110549.4	36798.7	-256654.1	-5.8
					5283	-2524873.2	-292751.8	-251512.4	-126952.4	-145092.1	-5.8
					5282	-75716.3	-2400432.4	46453.2	-139850.7	-103683.1	-5.8

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2425	3	3	env	SL~1	MAX	5137	2523731.3	488631.5	163997.9	146108.1	38090.8	-4.0
						5124	66733.4	2443208.1	20887.8	141976.0	31704.5	-4.0
						5186	1.18e+007	104848.0	239457.2	89584.3	97995.2	-4.0
						5283	14319.3	1.14e+007	-104011.3	63373.1	87117.4	-4.0
					MIN	5137	-1.18e+007	-104848.0	69896.3	74606.7	-35020.8	-5.8
						5124	-14319.3	-1.14e+007	6694.8	65717.3	-18473.6	-5.8
						5186	-2523731.3	-488631.5	172921.9	48794.8	48980.2	-5.8
						5283	-66733.4	-2443208.1	-225510.3	22110.7	55063.0	-5.8
2426	3	3	env	SL~1	MAX	1016	2575571.7	6011.9	606011.4	43029.2	-686536.7	-4.1
						5282	73896.3	2441726.0	48982.7	98475.7	-251471.0	-4.1
						5285	1.20e+007	28017.5	-343120.0	-72199.3	-120879.5	-4.1
						5284	15856.3	1.14e+007	105257.9	-68371.9	-162678.8	-4.1
					MIN	1016	-1.20e+007	-28017.5	404431.4	11509.7	-1041369.6	-6.0
						5282	-15856.3	-1.14e+007	9100.7	38609.1	-407619.7	-6.0
						5285	-2575571.7	-6011.9	-527345.6	-133378.9	-306279.4	-6.0
						5284	-73896.3	-2441726.0	80062.6	-139833.9	-241492.3	-6.0
2427	3	3	env	SL~1	MAX	5282	2547547.6	192443.6	220712.0	211707.0	152284.2	-4.0
						5283	119665.4	2452891.2	55507.7	-39600.5	-119419.4	-4.0
						5286	1.19e+007	41293.6	49489.1	-57423.9	-206913.8	-4.0
						5285	25677.2	1.14e+007	-42288.3	284882.9	93123.9	-4.0
					MIN	5282	-1.19e+007	-41293.6	150672.2	123376.4	44826.8	-5.9
						5283	-25677.2	-1.14e+007	38579.7	-99600.8	-188554.7	-5.9
						5286	-2547547.6	-192443.6	15935.2	-96403.8	-355223.3	-5.9
						5285	-119665.4	-2452891.2	-125340.1	142164.1	46083.4	-5.9
2428	3	3	env	SL~1	MAX	5283	2536231.1	337878.5	-11586.3	163180.1	246529.4	-4.0
						5186	57750.5	2485983.8	132231.5	262317.9	246447.8	-4.0
						5187	1.18e+007	72500.3	465610.9	271981.0	282140.6	-4.0
						5286	12391.8	1.16e+007	-209653.4	180635.9	164936.5	-4.0
					MIN	5283	-1.18e+007	-72500.3	-58272.0	105088.3	132173.6	-6.0
						5186	-12391.8	-1.16e+007	82118.5	159360.2	141664.1	-6.0
						5187	-2536231.1	-337878.5	312864.4	149872.0	174121.9	-6.0
						5286	-57750.5	-2485983.8	-348452.8	100359.6	104225.8	-6.0
2429	3	3	env	SL~1	MAX	5284	2594344.1	20778.4	373086.5	18562.3	87598.6	-4.1
						5285	83903.2	2476100.7	22765.9	-163535.8	-136941.3	-4.1
						5289	1.21e+007	96835.2	-96171.8	2061.9	-347609.0	-4.1
						5288	18003.5	1.15e+007	28183.0	313520.7	-115156.7	-4.1
					MIN	5284	-1.21e+007	-96835.2	253282.6	-4115.2	-47409.4	-6.1
						5285	-18003.5	-1.15e+007	-17202.4	-311741.0	-212373.8	-6.1
						5289	-2594344.1	-20778.4	-152597.9	-16368.8	-582189.1	-6.1

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				5288	-83903.2	-2476100.7	-9290.8	160996.1	-165226.5	-6.1	
2430	3	3	env SL~1	MAX	5285	2567898.0	80147.8	180977.5	155157.9	410066.5	-4.1
					5286	82149.6	2488839.4	62588.3	-166798.9	-80613.8	-4.1
					5290	1.20e+007	17197.7	110876.6	731.4	-280946.7	-4.1
					5289	17627.3	1.16e+007	-63262.0	485872.6	43888.5	-4.1
				MIN	5285	-1.20e+007	-17197.7	125454.4	93571.1	213107.3	-6.0
					5286	-17627.3	-1.16e+007	43508.8	-272401.1	-127832.9	-6.0
					5290	-2567898.0	-80147.8	51673.6	-23938.9	-436971.3	-6.0
					5289	-82149.6	-2488839.4	-135393.9	300821.1	12259.5	-6.0
2431	3	3	env SL~1	MAX	5286	2552783.0	205752.0	-128526.8	185784.0	317774.3	-4.1
					5187	108.0	2518331.6	341664.6	392616.3	368394.9	-4.1
					5188	1.19e+007	44149.2	437359.2	396846.4	376146.8	-4.1
					5290	503.4	1.17e+007	-216038.1	293599.8	151617.5	-4.1
				MIN	5286	-1.19e+007	-44149.2	-237969.7	120430.0	193171.3	-6.1
					5187	-503.4	-1.17e+007	225614.2	247290.4	212159.6	-6.1
					5188	-2552783.0	-205752.0	296128.8	228343.9	233336.6	-6.1
					5290	-108.0	-2518331.6	-344738.8	192440.9	96288.5	-6.1
2432	3	3	env SL~1	MAX	5288	2611054.1	37663.2	207129.2	-85579.2	424533.7	-4.2
					5289	53627.8	2502558.8	-53868.6	-301090.2	22196.6	-4.2
					5294	1.22e+007	175524.5	102115.7	31126.0	-298469.7	-4.2
					5293	11507.2	1.17e+007	43739.3	308393.1	-78742.0	-4.2
				MIN	5288	-1.22e+007	-175524.5	138495.4	-131230.3	224685.4	-6.1
					5289	-11507.2	-1.17e+007	-123951.7	-487603.1	925.4	-6.1
					5294	-2611054.1	-37663.2	51888.9	18240.7	-479112.0	-6.1
					5293	-53627.8	-2502558.8	13842.4	188751.8	-117609.3	-6.1
2433	3	3	env SL~1	MAX	5289	2588224.0	7059.0	-30505.1	13913.0	523159.0	-4.2
					5290	15417.2	2518884.2	101699.1	-266508.8	47064.2	-4.2
					5295	1.21e+007	32897.6	108290.0	19278.5	-185809.7	-4.2
					5294	3308.1	1.17e+007	77974.2	414824.4	33239.1	-4.2
				MIN	5289	-1.21e+007	-32897.6	-90317.6	-1792.8	322898.5	-6.1
					5290	-3308.1	-1.17e+007	76850.0	-390992.7	12653.3	-6.1
					5295	-2588224.0	-7059.0	53215.0	9778.0	-276853.2	-6.1
					5294	-15417.2	-2518884.2	55860.6	276725.1	-625.2	-6.1
2434	3	3	env SL~1	MAX	5290	2571314.2	82723.4	-195165.9	120287.8	259329.9	-4.2
					5188	16660.0	2546682.6	478543.0	335154.8	340369.8	-4.2
					5189	1.20e+007	17750.4	187433.2	351709.8	280875.5	-4.2
					5295	77641.7	1.19e+007	-63542.3	331967.5	78167.9	-4.2

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				MIN	5290	-1.20e+007	-17750.4	-341634.9	77494.9	165538.8	-6.2
					5188	-77641.7	-1.19e+007	333091.6	197970.7	181126.7	-6.2
					5189	-2571314.2	-82723.4	98125.0	207444.7	126848.8	-6.2
					5295	-16660.0	-2546682.6	-130119.2	231102.4	46063.8	-6.2
2435	3	3	env SL~1 MAX	5293	2783120.8	416844.7	-132273.4	-121733.6	376999.6	-4.0	
				5294	483242.8	2623153.4	-185463.3	-205409.2	153879.3	-4.0	
				5266	1.30e+007	89444.4	454543.6	-227250.9	412039.6	-4.0	
				5265	103691.8	1.22e+007	307295.1	-235900.4	387927.6	-4.0	
				MIN	5293	-1.30e+007	-89444.4	-234238.5	-176690.5	221379.6	-5.9
				5294	-103691.8	-1.22e+007	-300035.0	-319324.8	105079.6	-5.9	
				5266	-2783120.8	-416844.7	308985.8	-383207.8	274408.0	-5.9	
				5265	-483242.8	-2623153.4	209700.2	-362909.9	226141.4	-5.9	
2436	3	3	env SL~1 MAX	5294	2711437.7	310409.3	-229695.7	-84918.3	297962.4	-4.1	
				5295	170066.4	2595919.8	-68212.6	-225445.6	111210.0	-4.1	
				5267	1.26e+007	66606.0	226612.4	-234099.6	351609.5	-4.1	
				5266	36492.0	1.21e+007	463542.1	-232754.6	379048.2	-4.1	
				MIN	5294	-1.26e+007	-66606.0	-369033.8	-121024.7	181764.4	-6.0
				5295	-36492.0	-1.21e+007	-113504.4	-328225.1	76607.8	-6.0	
				5267	-2711437.7	-310409.3	147568.4	-350660.5	226969.1	-6.0	
				5266	-170066.4	-2595919.8	330858.4	-338729.7	228260.2	-6.0	
2437	3	3	env SL~1 MAX	5295	2641376.0	196566.4	-207216.2	-15434.8	89797.7	-4.2	
				5189	35191.1	2573081.5	277275.7	92699.1	154122.7	-4.2	
				5111	1.23e+007	42178.2	-21701.5	-33701.9	194140.4	-4.2	
				5267	164003.8	1.20e+007	328870.4	-75084.3	182575.8	-4.2	
				MIN	5295	-1.23e+007	-42178.2	-356961.1	-20140.2	59643.2	-6.2
				5189	-164003.8	-1.20e+007	178357.1	-23208.3	53429.2	-6.2	
				5111	-2641376.0	-196566.4	-66806.2	-86075.1	38163.1	-6.2	
				5267	-35191.1	-2573081.5	255253.0	-136835.9	111789.3	-6.2	
2438	3	3	env SL~1 MAX	1024	2581400.1	20543.8	601622.4	-33025.3	-699307.6	-4.0	
				5284	290165.7	2420947.6	93231.7	127355.6	-160638.9	-4.0	
				5288	1.20e+007	95741.6	-358844.3	94062.6	-111311.9	-4.0	
				5287	62262.3	1.13e+007	89916.8	-57218.2	-273218.3	-4.0	
				MIN	1024	-1.20e+007	-95741.6	388260.4	-50940.1	-1068861.9	-5.9
				5284	-62262.3	-1.13e+007	55456.5	61586.6	-256918.5	-5.9	
				5288	-2581400.1	-20543.8	-552072.1	58785.5	-300491.2	-5.9	
				5287	-290165.7	-2420947.6	55683.0	-128870.4	-404630.2	-5.9	
2439	3	3	env SL~1 MAX	5287	2610525.6	45432.4	329994.2	-115089.8	92159.0	-4.1	
				5288	222101.8	2458981.3	-41590.5	-136587.2	41184.0	-4.1	

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				5293	1.22e+007	211732.0	10087.1	96943.3	-237118.8	-4.1
				5292	47657.5	1.15e+007	31059.6	133305.8	-151476.7	-4.1
			MIN	5287	-1.22e+007	-211732.0	214010.7	-183144.4	-37768.7	-6.0
				5288	-47657.5	-1.15e+007	-119170.1	-276353.0	8163.9	-6.0
				5293	-2610525.6	-45432.4	-26504.6	65374.3	-413559.6	-6.0
				5292	-222101.8	-2458981.3	-7337.7	55116.3	-226946.0	-6.0
2440	3	3	env SL~1 MAX	5292	2850320.6	543763.7	29162.5	-126400.4	274181.9	-3.9
				5293	857986.7	2637435.6	-177656.2	-129656.2	158754.5	-3.9
				5265	1.33e+007	116678.0	454321.6	-135651.6	297065.0	-3.9
				5264	184102.4	1.23e+007	126530.0	-134160.4	238327.0	-3.9
			MIN	5292	-1.33e+007	-116678.0	-41458.9	-193830.2	137444.7	-5.7
				5293	-184102.4	-1.23e+007	-312140.4	-227412.3	106051.3	-5.7
				5265	-2850320.6	-543763.7	294330.8	-262209.3	179644.9	-5.7
				5264	-857986.7	-2637435.6	56871.0	-247111.6	115332.7	-5.7
2441	3	3	env SL~1 MAX	1032	2602932.0	46124.8	480541.7	-58272.3	-557443.1	-3.9
				5287	581847.0	2375515.2	61286.4	146510.5	-32077.6	-3.9
				5292	1.21e+007	214959.1	-223642.9	149491.0	-35694.8	-3.9
				5291	124849.8	1.11e+007	68478.3	-71279.1	-229190.1	-3.9
			MIN	1032	-1.21e+007	-214959.1	307852.4	-91653.8	-865514.8	-5.7
				5287	-124849.8	-1.11e+007	17800.1	79377.2	-75275.0	-5.7
				5292	-2602932.0	-46124.8	-362157.5	93470.1	-167288.2	-5.7
				5291	-581847.0	-2375515.2	19338.6	-137409.7	-343612.0	-5.7
2442	3	3	env SL~1 MAX	5291	2930731.3	610323.9	199767.1	-85750.7	41792.4	-3.7
				5292	1375026.2	2621784.2	-69516.6	-18738.3	120690.3	-3.7
				5264	1.37e+007	130960.2	273757.9	4112.7	133590.1	-3.7
				5263	295046.1	1.22e+007	34348.2	19356.2	48377.6	-3.7
			MIN	5291	-1.37e+007	-130960.2	98936.2	-153619.4	-64556.8	-5.4
				5292	-295046.1	-1.22e+007	-174690.5	-88974.3	62940.9	-5.4
				5264	-2930731.3	-610323.9	138699.7	-92305.9	-9526.9	-5.4
				5263	-1375026.2	-2621784.2	-41629.0	-109110.4	-55062.2	-5.4
2443	3	3	env SL~1 MAX	1040	3041675.0	537382.4	422407.7	-75336.3	-481390.3	-3.3
				5291	2365807.5	2506475.4	16985.7	141540.0	24483.4	-3.3
				5263	1.42e+007	115308.8	-83434.3	107437.5	62751.1	-3.3
				5262	507642.9	1.17e+007	117171.9	-57892.1	-138829.2	-3.3
			MIN	1040	-1.42e+007	-115308.8	243474.8	-107882.8	-759646.0	-4.9
				5291	-507642.9	-1.17e+007	-37680.2	79449.3	-43628.1	-4.9
				5263	-3041675.0	-537382.4	-241969.9	7679.4	-83900.1	-4.9
				5262	-2365807.5	-2506475.4	64377.4	-146702.2	-292504.6	-4.9

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

2444 3 3 env SL~1 MAX 1016 1271131.0 5641896.5 562972.0 -303051.4 -568820.8 -3.2
1008 1276807.1 1210609.4 269924.6 117925.6 -542198.6 -3.2
5282 1.19e+007 0.0 -490034.1 -82001.4 334034.7 -3.2

MIN 1016 -5923950.0 -1210609.4 380294.6 -466930.4 -847341.1 -4.7
1008 -5950403.0 -5641896.5 194750.7 81075.2 -807374.2 -4.7
5282 -2547938.1 -0.0 -739384.3 -182642.2 222565.4 -4.7

2445 3 3 env SL~1 MAX 1024 1298764.6 5613879.0 543751.1 -309650.2 -732024.5 -3.2
1016 1249173.5 1204597.5 520032.8 472784.1 -715221.1 -3.2
5284 1.19e+007 -0.0 -641228.0 15869.1 470911.7 -3.2

MIN 1024 -6052733.0 -1204597.5 369453.1 -477183.1 -1102459.9 -4.7
1016 -5821620.1 -5613879.0 356363.9 309147.1 -1076862.5 -4.7
5284 -2547938.1 -0.0 -970736.1 -6012.7 305594.1 -4.7

2446 3 3 env SL~1 MAX 1032 1332226.6 5518137.4 415212.2 -229905.7 -667479.8 -3.2
1024 1215711.5 1184053.8 531452.7 500616.1 -604173.1 -3.2
5287 1.19e+007 -0.0 -560087.0 159199.3 449587.6 -3.2

MIN 1032 -6208678.7 -1184053.8 280415.8 -360816.7 -1014186.2 -4.7
1024 -5665674.4 -5518137.4 362817.5 326919.4 -920118.5 -4.7
5287 -2547938.1 -0.0 -855203.9 100090.2 286297.4 -4.7

2447 3 3 env SL~1 MAX 1040 1387220.5 5303178.3 347464.9 -181485.9 -520042.2 -3.0
1032 1160717.6 1137928.9 406479.3 402618.6 -439723.1 -3.0
5291 1.19e+007 0.0 -419359.1 144836.3 379143.6 -3.0

MIN 1040 -6464971.0 -1137928.9 224200.4 -301524.1 -809485.9 -4.4
1032 -5409382.1 -5303178.3 275066.1 260270.6 -687917.8 -4.4
5291 -2547938.1 -0.0 -664825.5 83320.0 241251.4 -4.4

2448 3 3 env SL~1 MAX 1048 1880957.3 5840560.6 431520.1 -268698.0 -597060.9 -2.9
1040 1373314.4 1253237.7 364851.2 408504.0 -439079.1 -2.9
5262 1.52e+007 0.0 -412961.3 73258.7 346430.1 -2.9

MIN 1048 -8765971.0 -1253237.7 299204.4 -389353.8 -895936.5 -4.3
1040 -6400163.5 -5840560.6 224330.3 250239.1 -658836.3 -4.3
5262 -3254271.8 -0.0 -672730.2 -19761.9 236951.5 -4.3

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

PLATE ELEMENT FORCES (LOCAL, UNIT LENGTH) PRINTOUT

Unit System : N , m

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1480	3	2	env SL~1	MAX Cent	6046444.5	6046444.5	0.0	6046444.5	6046444.5	57.74
				1001	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-42.07
				2081	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-46.10
				2082	6046444.5	6046444.5	0.0	6046444.5	6046444.5	42.30
				1002	6046444.5	6046444.5	0.0	6046444.5	6046444.5	36.71
				MIN Cent	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-62.41
				1001	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-41.85
				2081	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-46.36
				2082	-1295548.5	-1295548.5	0.0	-1295548.5	-1295548.5	39.71
				1002	-1295548.5	-1295548.5	0.0	-1295548.5	-1295548.5	32.90

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	227.6	360037.9	3988.2	360082.1	183.4	89.37
1001	-175.3	281003.0	3508.9	281046.8	-219.1	89.29
2081	-61.6	280408.9	3314.0	280448.0	-319.7	89.32
2082	792.8	439843.4	17294.4	439983.6	652.7	88.98
1002	573.3	438896.4	17673.5	439043.8	425.9	88.95
MIN Cent	-57.0	-467730.4	-5950.6	18.8	-467805.0	-0.73
1001	-320.7	-618324.1	-23311.4	316.6	-619202.1	-2.54
2081	-280.5	-618058.2	-23690.5	430.9	-618965.0	-2.59
2082	297.8	-315835.9	7844.7	1190.9	-316779.1	3.28
1002	-220.5	-318703.4	8039.6	730.1	-319681.1	3.13

NODE	Vxx	Vyy
MAX Cent	-2273.0	-250575.7
1001	-1418.2	-249408.6
2081	-1418.2	-251742.8
2082	3637.1	-251742.8
1002	3637.1	-249408.6
MIN Cent	-5724.0	-475709.0
1001	-15063.7	-473706.3
2081	-15063.7	-477711.6
2082	-3127.7	-477711.6
1002	-3127.7	-473706.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1481	3	2	env SL~1	MAX Cent	6046444.5	6046444.5	0.0	6046444.5	6046444.5	17.16
				1002	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-40.49
				2082	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-50.96

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

2083	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-43.98
1003	6046444.5	6046444.5	0.0	6046444.5	6046444.5	41.56
MIN Cent	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-20.44
1002	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-40.02
2082	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-53.65
2083	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-43.65
1003	-1295548.5	-1295548.5	0.0	-1295548.5	-1295548.5	40.63

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
------	-----	-----	-----	------	------	-------

MAX Cent	90.7	486714.0	-7043.7	486846.9	-256.0	-89.05
1002	131.4	429272.2	-6904.6	429484.9	-1564.2	-88.73
2082	-359.8	428271.8	-7113.5	428490.7	-1740.4	-88.71
2083	1346.2	545503.0	1478.2	545503.6	1345.6	-89.94
1003	1034.4	543809.0	1812.4	543809.4	1034.0	-89.95
MIN Cent	-123.1	-185089.4	-9837.1	521.2	-185532.1	-2.76
1002	-1351.5	-317317.3	-9572.3	123.9	-317510.0	-3.24
2082	-1521.5	-319642.5	-9702.2	-308.5	-319850.7	-3.31
2083	564.8	-50174.3	-571.6	620.9	-50217.2	2.63
1003	-3.7	-53223.5	-441.7	52.5	-53285.1	1.87

NODE	Vxx	Vyy
------	-----	-----

MAX Cent	1773.1	-182393.7
1002	3637.1	-180339.8
2082	3637.1	-184447.6
2083	2810.6	-184447.6
1003	2810.6	-180339.8
MIN Cent	-158.6	-421644.3
1002	-3127.7	-417571.1
2082	-3127.7	-425717.5
2083	-90.9	-425717.5
1003	-90.9	-417571.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
------	-----	-----	----	------	-----	-----	-----	------	------	-------

1482	3	2	env SL~1	MAX Cent	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-20.53
				1003	6046444.5	6046444.5	0.0	6046444.5	6046444.5	38.05
				2083	6046444.5	6046444.5	0.0	6046444.5	6046444.5	40.04
				2084	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-43.63
				1501	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-43.44
				MIN Cent	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-13.53
				1003	-1295548.5	-1295548.5	0.0	-1295548.5	-1295548.5	32.47
				2083	-1295548.5	-1295548.5	0.0	-1295548.5	-1295548.5	35.85
				2084	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-43.36
				1501	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-43.15

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  38.9 573732.7 -1922.2 573739.1 -17.0 -89.81
  1003 -98.4 536387.1 7258.3 536485.2 -400.2 89.23
  2083 -629.5 534734.1 7169.6 534830.1 -795.9 89.23
  2084 911.1 612226.8 -3335.7 612287.2 841.9 -89.43
  1501 539.0 611582.7 -3076.4 611641.3 480.3 -89.44
MIN Cent  -10.5 58111.9 -5996.7 58724.6 -573.9 -84.17
  1003 -450.0 -54250.7 3137.3 30.6 -54442.7 3.40
  2083 -919.4 -57168.1 2878.7 -591.0 -57321.6 2.98
  2084 639.1 172069.0 -6074.3 172137.0 584.6 -88.86
  1501 209.7 169711.3 -5985.6 169769.4 155.5 -88.94

```

```

NODE      Vxx      Vyy

```

```

-----
MAX Cent  947.5 -120316.8
  1003 2810.6 -118579.1
  2083 2810.6 -122054.5
  2084 -98.6 -122054.5
  1501 -98.6 -118579.1
MIN Cent  -94.7 -359614.8
  1003 -90.9 -355556.5
  2083 -90.9 -363673.1
  2084 -915.6 -363673.1
  1501 -915.6 -355556.5

```

```

ELEM MAT SEC  LC  NODE      Fxx      Fyy      Fxy      Fmax      Fmin      ANGLE

```

```

-----
1483  3  2 env SL~1 MAX Cent 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -31.49
  1501 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -53.81
  2084 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -45.88
  2085 6046444.5 6046444.5  0.0 6046444.5 6046444.5  62.79
  1502 6046444.5 6046444.5  0.0 6046444.5 6046444.5  19.60
MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -27.64
  1501 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -53.21
  2084 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -46.11
  2085 -1295548.5 -1295548.5  0.0 -1295548.5 -1295548.5  79.93
  1502 -1295548.5 -1295548.5  0.0 -1295548.5 -1295548.5  3.92

```

```

NODE      Mxx      Myy      Mxy      Mmax      Mmin      ANGLE

```

```

-----
MAX Cent  0.3 625608.4 -1523.8 625612.1 -68.3 -89.86
  1501 -269.0 607122.5 5334.7 607169.4 -348.1 89.50
  2084 -536.1 606163.7 5291.2 606209.8 -582.2 89.50
  2085 844.4 644623.0 -4076.6 644679.9 773.5 -89.46
  1502 502.8 644524.3 -3945.4 644580.4 436.6 -89.47
MIN Cent  -93.4 253327.7 -5587.7 253432.2 -120.5 -88.84
  1501 -479.1 166478.3 3300.2 166563.8 -552.0 88.70
  2084 -970.9 163924.2 3169.0 164001.0 -1038.1 88.76
  2085 265.1 329197.5 -6053.7 329248.1 208.3 -89.29

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1502 250.2 328079.7 -6010.2 328127.2 194.2 -89.31

NODE Vxx Vyy

MAX Cent 30.4 -59750.0

1501 -98.6 -58945.3

2084 -98.6 -60554.8

2085 503.6 -60554.8

1502 503.6 -58945.3

MIN Cent -206.0 -291336.1

1501 -915.6 -287837.2

2084 -915.6 -294835.1

2085 145.1 -294835.1

1502 145.1 -287837.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1484 3 2 env SL~1 MAX Cent 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -42.50

1502 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -43.79

2085 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -43.50

2086 6046444.5 6046444.5 0.0 6046444.5 6046444.5 39.68

1503 6046444.5 6046444.5 0.0 6046444.5 6046444.5 42.36

MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -30.23

1502 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -43.73

2085 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -43.71

2086 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 35.72

1503 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 35.23

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -22.1 643926.6 213.3 643926.6 -45.7 89.98

1502 148.9 644017.6 6498.9 644083.2 83.3 89.42

2085 62.3 643608.8 6496.3 643674.3 -3.3 89.42

2086 659.0 643753.1 -4827.8 643817.4 580.9 -89.43

1503 389.1 644326.8 -4736.2 644391.1 315.0 -89.43

MIN Cent -76.3 362449.1 -4201.5 362463.3 -76.4 -89.64

1502 -345.0 325425.1 4562.8 325489.0 -436.2 89.20

2085 -793.2 324098.1 4471.2 324159.7 -879.4 89.21

2086 -315.7 400446.8 -6707.2 400505.1 -380.0 -89.31

1503 -200.8 399826.1 -6566.1 399882.3 -265.1 -89.32

NODE Vxx Vyy

MAX Cent 258.9 -473.6

1502 503.6 -599.5

2085 503.6 -347.7

2086 62.5 -347.7

1503 62.5 -599.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MIN Cent  96.4 -218936.0
1502  145.1 -216214.8
2085  145.1 -221657.3
2086  14.2 -221657.3
1503  14.2 -216214.8
    
```

```

ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
1485   3    2  env SL~1 MAX Cent 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -45.44
      1503 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -52.49
      2086 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -48.39
      2087 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -45.23
      1504 6046444.5 6046444.5  0.0 6046444.5 6046444.5  35.12
MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -45.74
      1503 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -52.64
      2086 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -51.86
      2087 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -44.99
      1504 -1295548.5 -1295548.5  0.0 -1295548.5 -1295548.5  31.57
    
```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent -40.9 629790.7 1705.1 629795.3 -47.9  89.84
      1503  557.4 648117.9 6909.3 648181.7  493.6  89.43
      2086  607.2 648367.9 6826.0 648432.4  542.7  89.43
      2087  361.5 619811.7 -5116.4 619893.6  280.5 -89.34
      1504  228.5 619527.9 -5064.7 619607.9  150.0 -89.35
MIN Cent -82.2 419043.9 -2749.0 419047.0 -86.8 -89.84
      1503 -216.6 398752.2 4961.4 398813.9 -302.8  89.29
      2086 -550.5 397886.6 4909.7 397947.2 -634.0  89.29
      2087 -868.8 439820.5 -7168.3 439880.0 -932.3 -89.33
      1504 -624.7 439716.1 -7085.0 439774.5 -688.8 -89.34
    
```

```

NODE   Vxx   Vyy
-----
MAX Cent  89.8 57929.3
      1503  62.5 56818.5
      2086  62.5 59040.0
      2087 147.1 59040.0
      1504 147.1 56818.5
MIN Cent  67.9 -143729.3
      1503  14.2 -141955.6
      2086  14.2 -145503.1
      2087  98.7 -145503.1
      1504  98.7 -141955.6
    
```

```

ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
    
```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1486  3  2 env SL~1 MAX Cent 6046444.5 6046444.5  -0.0 6046444.5 6046444.5  -39.12
      1504 6046444.5 6046444.5  0.0 6046444.5 6046444.5  25.11
      2087 6046444.5 6046444.5  0.0 6046444.5 6046444.5  38.88
      2088 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -43.33
      1004 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -43.67
MIN Cent -1295548.5 -1295548.5  -0.0 -1295548.5 -1295548.5  -37.92
      1504 -1295548.5 -1295548.5  -0.0 -1295548.5 -1295548.5  1.98
      2087 -1295548.5 -1295548.5  -0.0 -1295548.5 -1295548.5  -8.96
      2088 -1295548.5 -1295548.5  -0.0 -1295548.5 -1295548.5 -43.06
      1004 -1295548.5 -1295548.5  -0.0 -1295548.5 -1295548.5 -43.58

```

```

      NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent  -48.0 629068.9  3181.2 629069.0  -48.0  -89.98
      1504  974.1 620359.9  7290.6 620444.5  911.3  89.33
      2087 1152.1 620836.4  7265.1 620900.7 1087.8  89.42
      2088  -29.6 637873.4 -5196.9 637956.0 -112.8 -89.35
      1004  -18.4 638327.7 -5185.1 638409.7 -100.4 -89.35
MIN Cent  -71.8 444136.8 -1134.1 444136.8  -89.1  89.99
      1504  15.2 440778.9  5206.9 440840.4  -70.4  89.32
      2087 -189.1 440414.7  5195.1 440476.0 -273.6  89.32
      2088 -1389.2 447464.3 -7321.6 447524.6 -1451.4 -89.34
      1004 -1024.2 447889.2 -7296.0 447949.1 -1088.0 -89.34

```

```

      NODE   Vxx   Vyy
-----
MAX Cent  121.8 115348.6
      1504  147.1 113286.4
      2087  147.1 117410.8
      2088  111.6 117410.8
      1004  111.6 113286.4
MIN Cent   93.8 -66807.4
      1504   98.7 -66074.8
      2087   98.7 -67539.9
      2088   84.6 -67539.9
      1004   84.6 -66074.8

```

```

ELEM MAT SEC  LC  NODE   Fxx   Fyy   Fxy   Fmax   Fmin   ANGLE
-----
1487  3  2 env SL~1 MAX Cent 6046444.5 6046444.5  -0.0 6046444.5 6046444.5  -44.67
      1004 6046444.5 6046444.5  0.0 6046444.5 6046444.5  41.56
      2088 6046444.5 6046444.5  0.0 6046444.5 6046444.5  59.75
      2089 6046444.5 6046444.5  0.0 6046444.5 6046444.5  29.33
      1505 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -45.70
MIN Cent -1295548.5 -1295548.5  -0.0 -1295548.5 -1295548.5  -44.78
      1004 -1295548.5 -1295548.5  0.0 -1295548.5 -1295548.5  40.51
      2088 -1295548.5 -1295548.5  -0.0 -1295548.5 -1295548.5  68.18
      2089 -1295548.5 -1295548.5  -0.0 -1295548.5 -1295548.5  14.89
      1505 -1295548.5 -1295548.5  -0.0 -1295548.5 -1295548.5 -45.86

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-47.0	626418.7	4558.2	626422.2	-50.9	89.86
1004	1323.0	642114.7	7347.1	642197.4	1262.7	89.35
2088	1626.8	642201.6	7379.3	642285.1	1564.1	89.35
2089	-456.4	610088.6	-5064.0	610171.0	-538.6	-89.33
1505	-301.2	611270.0	-5092.1	611353.0	-383.5	-89.33
MIN Cent	-62.5	437714.1	544.5	437718.0	-99.8	89.83
1004	292.1	451327.4	5223.8	451387.9	209.3	89.34
2088	231.0	451489.0	5251.9	451550.2	146.1	89.33
2089	-1829.9	423547.6	-7166.9	423608.0	-1890.7	-89.32
1505	-1354.8	424492.5	-7199.2	424553.5	-1418.1	-89.31

NODE	Vxx	Vyy
MAX Cent	112.3	171546.2
1004	111.6	168590.1
2088	111.6	174502.2
2089	113.3	174502.2
1505	113.3	168590.1
MIN Cent	85.5	10940.4
1004	84.6	10584.5
2088	84.6	11296.3
2089	86.4	11296.3
1505	86.4	10584.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1488	3	2	env SL~1	MAX Cent	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-39.41
				1505	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-50.48
				2089	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-40.93
				2090	6046444.5	6046444.5	0.0	6046444.5	6046444.5	51.52
				1506	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-43.93
				MIN Cent	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-22.90
				1505	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-50.70
				2089	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-40.71
				2090	-1295548.5	-1295548.5	0.0	-1295548.5	-1295548.5	52.72
				1506	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-43.79

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-39.3	582331.1	5795.6	582339.8	-55.8	89.78
1505	1584.7	617936.5	7132.5	618016.8	1527.3	89.35
2089	2004.8	618759.2	7203.1	618841.5	1944.0	89.34
2090	-854.5	553215.4	-4457.2	553298.6	-934.0	-89.30
1506	-567.6	554707.7	-4615.8	554792.2	-648.4	-89.29
MIN Cent	-55.5	396330.4	2179.0	396415.1	-124.0	89.16

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1505	564.5	430234.9	5039.9	430294.0	486.7	89.33
2089	650.7	430923.3	5107.9	430984.0	570.3	89.32
2090	-2158.5	323025.1	-6868.5	323086.2	-2219.6	-89.21
1506	-1588.1	325873.2	-6931.2	325938.2	-1653.2	-89.19

NODE Vxx Vyy

MAX Cent 109.9 226143.1

1505	113.3	222384.1
2089	113.3	229902.1
2090	106.4	229902.1
1506	106.4	222384.1

MIN Cent 82.3 87175.1

1505	86.4	85758.7
2089	86.4	88591.5
2090	76.7	88591.5
1506	76.7	85758.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1489 3 2 env SL~1 MAX Cent 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -38.26

1506	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-46.14
2090	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-42.05
2091	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-44.61
1005	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-43.52

MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -31.31

1506	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-45.79
2090	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-42.24
2091	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-44.18
1005	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-43.43

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -14.9 509625.5 6848.4 509654.5 -65.7 89.57

1506	1725.4	561802.3	6767.7	561882.0	1670.6	89.32
2090	2249.0	562951.9	6888.3	563034.4	2189.5	89.31
2091	-1184.6	455804.4	-3473.2	455889.2	-1263.9	-89.22
1005	-776.5	457943.5	-3671.8	458031.3	-857.4	-89.21

MIN Cent -44.0 255233.1 3597.0 255416.7 -198.5 88.46

1506	792.7	342440.8	4321.3	342495.6	716.7	89.27
2090	1013.4	345062.7	4519.9	345122.3	934.7	89.24
2091	-2340.1	165100.0	-6303.8	165172.0	-2412.1	-88.81
1005	-1694.0	168328.8	-6424.3	168408.0	-1773.2	-88.76

NODE Vxx Vyy

MAX Cent 98.3 278647.8

1506	106.4	274207.5
------	-------	----------

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

2090 106.4 283088.1
2091 90.2 283088.1
1005 90.2 274207.5
MIN Cent 56.5 149972.1
1506 76.7 147639.2
2090 76.7 152305.0
2091 36.4 152305.0
1005 36.4 147639.2
    
```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1490 3 2 env SL~1 MAX Cent 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -54.79
      1005 6046444.5 6046444.5 0.0 6046444.5 6046444.5 69.44
      2091 6046444.5 6046444.5 0.0 6046444.5 6046444.5 24.95
      2092 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -48.25
      1507 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -43.37
MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -64.35
      1005 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 87.96
      2091 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 1.84
      2092 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -48.31
      1507 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -43.17
    
```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 16.2 391178.6 7668.5 391250.4 -89.3 89.22
      1005 1713.5 466847.5 6095.1 466925.1 1656.6 89.26
      2091 2324.1 468674.1 6273.3 468756.1 2259.4 89.24
      2092 -1358.4 313313.4 -2270.3 313407.6 -1431.2 -89.01
      1507 -876.4 316027.2 -2508.7 316126.9 -966.2 -88.98
MIN Cent -24.6 82631.6 4582.8 83337.3 -689.6 84.74
      1005 921.4 185366.4 3233.3 185423.3 850.4 88.99
      2091 1272.0 188421.0 3471.7 188485.8 1196.8 88.93
      2092 -2335.8 -23375.9 -5445.0 -2093.7 -23618.1 -6.09
      1507 -1637.0 -19885.2 -5623.2 -1298.4 -20223.8 -7.69
    
```

NODE Vxx Vyy

```

MAX Cent 83.5 328431.5
      1005 90.2 323464.0
      2091 90.2 333398.9
      2092 76.9 333398.9
      1507 76.9 323464.0
MIN Cent 53.7 201520.2
      1005 36.4 198549.8
      2091 36.4 204490.6
      2092 42.0 204490.6
      1507 42.0 198549.8
    
```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1491	3	2	env SL~1	MAX Cent	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-47.38
				1507	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-45.61
				2092	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-37.15
				2093	6046444.5	6046444.5	0.0	6046444.5	6046444.5	32.70
				1508	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-47.65
				MIN Cent	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-58.20
				1507	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-44.80
				2092	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-34.54
				2093	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	7.82
				1508	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-45.22
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	49.0	227793.4	8210.4	227983.7	-183.6	88.35
				1507	1522.3	325912.0	5075.2	325991.3	1037.1	89.11
				2092	2197.7	328356.0	5310.5	328442.2	1578.9	89.07
				2093	-1367.4	126868.8	-751.4	127007.7	-1574.4	-88.12
				1508	-850.6	130036.7	-1029.1	130188.5	-994.5	-88.05
				MIN Cent	1.9	-121242.1	5399.5	602.2	-121795.4	3.86
				1507	929.5	-4088.8	1844.5	2074.3	-4640.9	16.66
				2092	1345.1	-708.2	2122.3	3316.7	-1827.3	27.80
				2093	-2120.9	-241884.9	-4226.6	-2118.6	-241887.3	-0.18
				1508	-1403.2	-238286.5	-4461.9	-1398.7	-238291.0	-0.25
				NODE	Vxx	Vyy				
				MAX Cent	54.1	374662.1				
				1507	76.9	369365.1				
				2092	76.9	379959.1				
				2093	34.2	379959.1				
				1508	34.2	369365.1				
				MIN Cent	-61.4	250861.9				
				1507	42.0	247372.7				
				2092	42.0	254351.1				
				2093	-199.1	254351.1				
				1508	-199.1	247372.7				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1492	3	2	env SL~1	MAX Cent	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-38.69
				1508	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-43.61
				2093	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-43.42
				2094	6046444.5	6046444.5	0.0	6046444.5	6046444.5	45.83
				1509	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-49.41
				MIN Cent	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-23.07
				1508	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-43.89

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

2093 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -43.28
2094 -1295548.5 -1295548.5 0.0 -1295548.5 -1295548.5 46.16
1509 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -49.70

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent  97.9 19783.5 8330.5 22336.9 -2518.1 71.31
1508 1108.5 139307.4 3672.2 139404.8 805.0 88.48
2093 1824.6 142269.7 3963.6 142381.2 1383.0 88.39
2094 -1207.5 -102955.6 869.4 -1197.3 -103027.5 -0.46
1509 -617.2 -99487.5 553.1 -599.2 -99578.2 -1.36
MIN Cent  34.9 -355838.5 5961.2 292.8 -356033.3 1.34
1508 762.0 -225728.1 173.6 1108.6 -225728.2 0.04
2093 1258.0 -222157.4 490.0 1825.6 -222158.5 0.13
2094 -1627.6 -489505.4 -2701.3 -1626.0 -489507.0 0.10
1509 -913.8 -485962.9 -2992.7 -913.2 -485963.5 0.07

```

```

NODE   Vxx   Vyy
-----
MAX Cent 172.8 416215.3
1508 34.2 410818.0
2093 34.2 421612.6
2094 544.7 421612.6
1509 544.7 410818.0
MIN Cent -38.3 297101.4
1508 -199.1 293250.7
2093 -199.1 300952.1
2094 -92.5 300952.1
1509 -92.5 293250.7

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1493 3 2 env SL~1 MAX Cent 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -36.66
1509 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -29.71
2094 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -65.78
2095 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -42.93
1510 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -45.34
MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -19.54
1509 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 3.85
2094 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 88.24
2095 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -43.15
1510 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -45.14

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 114.0 -228897.7 8656.5 374.3 -229186.9 2.06
1509 587.8 -92644.6 1515.2 612.4 -92669.2 0.93
2094 1261.6 -89275.6 1860.8 1299.8 -89313.8 1.18

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

2095 -785.5 -363150.8 4988.0 -782.7 -363151.0 0.14
1510 -120.2 -359873.9 4636.2 -118.9 -359874.0 0.10
MIN Cent 68.5 -619871.5 6397.1 226.5 -619989.7 1.41
1509 318.5 -478812.0 -2653.1 319.0 -478826.7 0.09
2094 989.2 -475168.9 -2301.3 991.5 -475180.0 0.19
2095 -1127.7 -764296.2 90.5 -1127.7 -764328.8 0.01
1510 -425.2 -761208.6 -255.1 -425.0 -761236.9 -0.04

```

NODE Vxx Vyy

```

MAX Cent 135.0 475423.5
1509 544.7 470031.6
2094 544.7 480815.4
2095 362.6 480815.4
1510 362.6 470031.6
MIN Cent -574.1 338989.8
1509 -92.5 335007.6
2094 -92.5 342971.9
2095 -1693.0 342971.9
1510 -1693.0 335007.6

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1494 3 2 env SL~1 MAX Cent 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -46.63
1510 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -46.06
2095 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -45.03
2096 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -45.32
1006 6046444.5 6046444.5 0.0 6046444.5 6046444.5 44.82
MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -46.96
1510 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -46.30
2095 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -44.10
2096 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -46.38
1006 -1295548.5 -1295548.5 0.0 -1295548.5 -1295548.5 44.65

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 189.3 -480304.0 8353.8 226.3 -480377.0 0.37
1510 90.8 -357606.0 -1805.0 99.8 -357615.1 -0.28
2095 795.6 -354296.8 -1419.5 801.2 -354302.6 -0.22
2096 153.7 -600003.1 4814.2 167.4 -600018.7 0.21
1006 711.7 -597705.5 4393.7 722.8 -597718.3 0.19
MIN Cent 83.5 -910798.5 5812.6 156.4 -910835.6 0.71
1510 -390.3 -761412.7 -5151.8 -355.4 -761447.6 -0.39
2095 281.9 -758133.2 -4766.7 311.8 -758163.2 -0.36
2096 -573.7 -1063139.6 3066.0 -557.6 -1063153.3 0.28
1006 47.6 -1060508.5 2768.6 60.2 -1060519.6 0.25

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

-----
MAX Cent  806.6 526335.1
  1510  362.6 521181.1
  2095  362.6 531489.1
  2096  3306.1 531489.1
  1006  3306.1 521181.1
MIN Cent  -778.8 374751.9
  1510 -1693.0 370980.1
  2095 -1693.0 378523.6
  2096 -1920.2 378523.6
  1006 -1920.2 370980.1

```

```

ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
1495   3    2 env SL~1 MAX Cent 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -53.94
      1006 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -46.18
      2096 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -44.91
      2097 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -42.62
      1007 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -46.21
      MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -54.59
      1006 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -46.37
      2096 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -43.96
      2097 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -43.42
      1007 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -45.93

```

```

      NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent  228.3 -726228.2 13967.6  339.8 -726299.5  0.65
      1006 -495.5 -600721.4 -8403.2 -374.2 -600839.1 -0.79
      2096  232.3 -597981.5 -8077.6  340.5 -598090.6 -0.72
      2097 1040.2 -853620.7 41493.3 2289.2 -853868.1  1.72
      1007 1314.6 -852589.3 41091.8 2091.2 -852826.0  1.71
      MIN Cent  150.1 -1221800.5 7197.5  221.4 -1221960.1  0.57
      1006 -1033.0 -1068835.6 -19944.4 -915.6 -1069208.0 -0.69
      2096 -348.3 -1065072.1 -19542.9 -240.8 -1065430.6 -0.66
      2097  258.3 -1376216.0 14269.1  484.9 -1377464.9  0.86
      1007  643.7 -1377078.2 13858.2  880.4 -1378302.5  0.95

```

```

      NODE   Vxx   Vyy
-----

```

```

MAX Cent  2969.9 564312.9
      1006  3306.1 560268.9
      2096  3306.1 568356.8
      2097  7860.0 568356.8
      1007  7860.0 560268.9
MIN Cent  1610.8 401443.1
      1006 -1920.2 398588.8
      2096 -1920.2 404297.4
      2097  -84.6 404297.4

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1007 -84.6 398588.8

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1496 3 2 env SL~1 MAX Cent 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -31.34
 1007 6046444.5 6046444.5 0.0 6046444.5 6046444.5 44.91
 2097 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -41.79
 2098 6046444.5 6046444.5 0.0 6046444.5 6046444.5 44.19
 1008 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -45.89
 MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -15.56
 1007 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 43.50
 2097 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -40.65
 2098 -1295548.5 -1295548.5 0.0 -1295548.5 -1295548.5 42.04
 1008 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -45.65

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -180.8 -988433.4 9517.1 -127.8 -988459.2 0.39
 1007 -459.5 -858334.0 -29200.8 1838.8 -859326.8 -2.67
 2097 102.8 -856155.0 -28867.3 2092.9 -857127.3 -2.65
 2098 1322.1 -1118033.9 71781.0 4363.6 -1119565.1 2.43
 1008 -445.1 -1121210.6 71383.0 2405.3 -1122714.1 2.40
 MIN Cent -332.5 -1540374.4 -4644.2 -318.5 -1540388.4 -0.17
 1007 -1175.1 -1387288.6 -64705.1 141.0 -1390302.6 -1.70
 2097 -886.6 -1385850.2 -64307.2 634.2 -1388829.7 -1.68
 2098 228.8 -1689721.1 41410.1 1871.4 -1692762.6 2.12
 1008 -613.3 -1698637.8 41076.6 1058.3 -1701633.3 2.10

NODE Vxx Vyy

MAX Cent -5538.5 581871.8
 1007 7860.0 582245.9
 2097 7860.0 581497.8
 2098 -13444.7 581497.8
 1008 -13444.7 582245.9
 MIN Cent -7804.0 414927.0
 1007 -84.6 415653.6
 2097 -84.6 414200.5
 2098 -23433.3 414200.5
 1008 -23433.3 415653.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1497 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 87.14
 1009 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -54.61
 1001 5986578.7 5986578.7 0.0 5986578.7 5986578.7 87.36
 1002 5986578.7 5986578.7 0.0 5986578.7 5986578.7 8.86

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1010 5986578.7 5986578.7 0.0 5986578.7 5986578.7 32.69
MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 86.61
1009 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -51.53
1001 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 87.36
1002 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 9.13
1010 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 26.65

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 36690.8 367362.2 -7346.9 368530.3 35522.7 -86.60
1009 95435.3 348795.3 2635.7 349209.4 95021.1 -87.69
1001 -35924.7 263049.1 -16946.7 264495.1 -43343.1 -86.07
1002 2014.1 427624.2 -18937.7 428829.1 809.3 -86.96
1010 91210.8 429980.2 -131.3 430396.3 90794.8 -87.99
MIN Cent -67918.1 -449201.2 -19688.4 -67758.4 -449356.0 -1.15
1009 -140423.8 -583946.8 -10251.5 -140408.1 -583962.5 0.34
1001 -50196.1 -611717.2 -23496.7 -48826.7 -612462.3 -3.34
1002 -7315.7 -308202.5 -26430.2 -5509.2 -310029.9 -4.34
1010 -79393.3 -294893.0 -11879.9 -79393.3 -294893.0 -0.03

```

```

NODE Vxx Vyy
-----
MAX Cent 30163.1 -188010.8
1009 34705.1 -129697.4
1001 34705.1 -246324.3
1002 25621.1 -246324.3
1010 25621.1 -129697.4
MIN Cent -25383.7 -452315.1
1009 -29196.4 -437724.4
1001 -29196.4 -467848.1
1002 -21635.6 -467848.1
1010 -21635.6 -437724.4

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1498 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 89.94
1010 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -11.57
1002 5986578.7 5986578.7 0.0 5986578.7 5986578.7 87.97
1003 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -1.26
1011 5986578.7 5986578.7 0.0 5986578.7 5986578.7 33.68
MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 89.87
1010 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -19.14
1002 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 87.42
1003 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -0.96
1011 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 18.30

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 50870.7 473477.4 -10434.7 474088.1 50260.1 -87.82
  1010 93290.7 440379.3 5641.9 440529.6 93140.4 -88.81
  1002 -336.7 415870.4 -27896.7 417821.4 -2287.6 -86.09
  1003 6347.1 529856.3 -27198.5 531265.5 4937.8 -87.03
  1011 104181.7 507803.7 4005.9 507888.7 104096.7 -89.17
MIN Cent -27080.6 -173879.5 -16075.9 -26207.5 -174746.9 -4.38
  1010 -78314.5 -289498.9 -7222.9 -78163.9 -289649.5 1.53
  1002 -8047.4 -311861.0 -39692.9 -3570.8 -316369.5 -6.77
  1003 -414.7 -49499.2 -40767.4 20490.3 -71075.7 -28.70
  1011 -21696.5 -45935.0 -5859.3 -21271.3 -46579.9 7.09

```

NODE Vxx Vyy

```

MAX Cent 27573.2 -140635.2
  1010 25621.1 -103160.8
  1002 25621.1 -178109.5
  1003 29525.2 -178109.5
  1011 29525.2 -103160.8
MIN Cent -14006.5 -389372.0
  1010 -21635.6 -367195.4
  1002 -21635.6 -412407.1
  1003 -6377.5 -412407.1
  1011 -6377.5 -367195.4

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1499 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 61.23
  1011 5986578.7 5986578.7 0.0 5986578.7 5986578.7 63.75
  1003 5986578.7 5986578.7 0.0 5986578.7 5986578.7 8.39
  1501 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -82.68
  1511 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -9.30
MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 59.36
  1011 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 40.28
  1003 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 7.99
  1501 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -83.84
  1511 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -5.92

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 57388.8 549258.4 -11126.2 549510.0 57137.2 -88.70
  1011 106108.9 517439.8 3570.9 517478.2 106070.5 -89.45
  1003 4570.8 520974.5 -22049.8 521914.3 3631.0 -87.56
  1501 8953.9 595921.4 -19110.1 596542.9 8332.3 -88.14
  1511 109921.5 562697.9 3431.3 562700.3 109919.1 -89.87
MIN Cent 973.2 59048.8 -16438.2 62396.9 -2748.2 -77.10
  1011 -20120.6 -38055.8 -3975.1 -19752.9 -38734.9 7.68
  1003 -1482.2 -54836.6 -40197.4 19371.2 -76207.2 -27.99
  1501 3911.4 167318.7 -40318.4 176185.1 -5329.1 -77.36
  1511 21359.1 159112.3 -1035.4 159136.9 21282.2 89.23

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

NODE   Vxx   Vyy
-----
MAX Cent 30300.1 -93732.4
1011 29525.2 -70352.0
1003 29525.2 -117112.7
1501 31075.1 -117112.7
1511 31075.1 -70352.0
MIN Cent -437.5 -325272.2
1011 -6377.5 -300109.3
1003 -6377.5 -351159.4
1501 5502.5 -351159.4
1511 5502.5 -300109.3

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1500 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 8.34
1511 5986578.7 5986578.7 0.0 5986578.7 5986578.7 85.69
1501 5986578.7 5986578.7 0.0 5986578.7 5986578.7 85.72
1502 5986578.7 5986578.7 0.0 5986578.7 5986578.7 1.90
1512 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -17.47
MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 8.42
1511 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 85.25
1501 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 85.39
1502 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 2.56
1512 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -18.50

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 60155.6 595083.9 -3760.4 595110.3 60129.2 -89.60
1511 111348.5 569833.1 1813.9 569833.2 111348.5 -89.98
1501 7888.7 590595.7 -11308.5 590815.1 7669.3 -88.89
1502 9496.6 627737.4 -7598.7 627830.8 9403.2 -89.30
1512 111888.6 592169.3 3520.4 592195.1 111862.8 89.58
MIN Cent 21401.9 244069.1 -14944.9 244927.9 20557.2 -86.45
1511 23135.5 167690.9 -460.6 167690.9 23121.5 -90.00
1501 2643.1 160677.5 -36795.8 168395.6 -5433.4 -77.82
1502 5965.2 320469.2 -35860.0 321981.0 2935.2 -86.04
1512 52243.4 300927.5 917.7 300931.7 52213.5 89.76

```

```

NODE   Vxx   Vyy
-----
MAX Cent 31348.4 -46680.7
1511 31075.1 -35145.0
1501 31075.1 -58216.3
1502 31621.8 -58216.3
1512 31621.8 -35145.0
MIN Cent 10069.0 -260027.4

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1511 5502.5 -236416.8
 1501 5502.5 -284277.6
 1502 14267.2 -284277.6
 1512 14267.2 -236416.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1501	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	0.06
				1512	5986578.7	5986578.7	0.0	5986578.7	5986578.7	1.58
				1502	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-85.70
				1503	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-6.02
				1513	5986578.7	5986578.7	0.0	5986578.7	5986578.7	85.46
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	0.34
				1512	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	1.71
				1502	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-85.82
				1503	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-5.54
				1513	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	85.24

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	60261.9	611134.7	4512.0	611171.7	60225.0	89.53
1512	112634.6	595899.2	4263.8	595936.8	112596.9	89.49
1502	9331.4	626911.3	1220.8	626913.7	9329.0	89.89
1503	9353.8	627260.5	5200.7	627304.3	9161.5	89.52
1513	109876.6	594467.9	8243.8	594608.1	109736.4	89.03
MIN Cent	34219.8	345217.3	-12134.0	345331.5	34105.6	-88.90
1512	53794.1	306717.0	-813.5	306717.4	53788.9	89.92
1502	5128.0	316283.5	-29690.1	317147.5	2757.2	-86.99
1503	6777.3	390017.6	-27713.2	390554.2	6240.6	-87.86
1513	67806.2	367851.2	1131.2	367870.4	67787.0	89.54

NODE Vxx Vyy

MAX Cent	31293.2	399.4
1512	31621.8	1390.9
1502	31621.8	-592.1
1503	30964.6	-592.1
1513	30964.6	1390.9
MIN Cent	17227.8	-193967.9
1512	14267.2	-174986.0
1502	14267.2	-213540.9
1503	18903.4	-213540.9
1513	18903.4	-174986.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1502	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	30.80

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1513	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-86.16
1503	5986578.7	5986578.7	0.0	5986578.7	5986578.7	33.16
1504	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-89.50
1514	5986578.7	5986578.7	0.0	5986578.7	5986578.7	1.99
MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	27.90
1513	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-86.35
1503	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	31.55
1504	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-89.73
1514	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	2.13

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	58035.2	597464.7	12913.3	597773.7	57726.2	88.63
1513	109874.0	594455.0	8855.3	594616.8	109712.3	88.95
1503	10004.3	631255.7	14212.6	631580.7	9679.3	88.69
1504	9847.2	603804.0	18116.7	603975.7	9642.3	-89.03
1514	103877.9	574927.8	12759.4	575004.8	103528.0	89.27
MIN Cent	39094.7	398695.5	-7348.3	398700.0	39090.2	-89.80
1513	68588.4	371762.1	-313.5	371773.2	68577.2	89.65
1503	6364.1	387951.9	-19831.6	388118.2	6197.8	-88.80
1504	7045.4	428541.6	-17113.9	428614.2	6972.9	-89.25
1514	74380.8	406526.4	2351.8	406581.5	74325.8	89.26

NODE Vxx Vyy

MAX Cent	30042.0	47464.3
1513	30964.6	38812.7
1503	30964.6	56115.9
1504	29119.4	56115.9
1514	29119.4	38812.7
MIN Cent	19809.6	-127301.0
1513	18903.4	-114966.4
1503	18903.4	-140200.1
1504	20715.8	-140200.1
1514	20715.8	-114966.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1503	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	3.47
1514	5986578.7	5986578.7	0.0	5986578.7	5986578.7	18.54				
1504	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-74.05				
1004	5986578.7	5986578.7	0.0	5986578.7	5986578.7	1.33				
1012	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-88.13				
MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	5.05				
1514	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	19.79				
1504	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-64.38				
1004	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	2.80				
1012	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-88.29				

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	55579.2	599954.9	20822.6	599985.4	55560.8	89.57
1514	103126.3	578096.9	13128.7	578147.8	102753.3	89.41
1504	10127.1	604153.8	26841.4	605364.1	9763.4	87.42
1004	9701.8	621660.9	30400.4	621673.0	9695.5	89.75
1012	102718.9	596201.4	16687.7	596340.2	102610.9	89.04
MIN Cent	41177.1	422529.7	-1272.5	422571.2	41135.6	89.40
1514	74691.0	408077.1	1145.9	408120.0	74648.0	89.35
1504	7166.2	429145.7	-8169.2	429149.9	7162.0	89.82
1004	6873.7	436197.9	-5021.4	436233.8	5437.9	89.48
1012	75977.4	416698.0	4228.6	416816.9	75858.4	88.93

NODE	Vxx	Vyy

MAX Cent	28027.2	94436.6
1514	29119.4	76987.7
1504	29119.4	111885.4
1004	28422.2	111885.4
1012	28422.2	76987.7
MIN Cent	20898.5	-60221.8
1514	20715.8	-55743.9
1504	20715.8	-65257.7
1004	21081.2	-65257.7
1012	21081.2	-55743.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1504	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	53.92
				1012	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-88.49
				1004	5986578.7	5986578.7	0.0	5986578.7	5986578.7	2.23
				1505	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-84.92
				1515	5986578.7	5986578.7	0.0	5986578.7	5986578.7	2.95
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	52.57
				1012	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-88.93
				1004	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	2.18
				1505	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-84.86
				1515	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	3.23

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	55188.1	597933.8	27723.3	598154.8	54993.0	88.84
1012	102610.2	595773.3	16665.2	595874.7	102531.4	89.18
1004	10389.8	625448.1	38476.4	625698.0	10165.2	88.85
1505	9201.9	594899.8	41457.1	595317.2	9099.3	88.47
1515	99681.5	575614.0	19645.9	575837.1	99593.0	88.76
MIN Cent	40583.0	416660.5	5395.9	416890.8	40352.8	88.58
1012	75767.1	415646.5	3115.3	415746.4	75667.2	89.02

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1004	7575.7	439707.7	4442.7	439983.3	7037.1	88.55
1505	5690.1	413136.5	7713.2	413579.0	1765.1	88.11
1515	72669.3	398151.3	6254.2	398364.8	72455.9	88.53

NODE Vxx Vyy

MAX Cent 27780.0 141224.4

1012	28422.2	115943.5
1004	28422.2	166505.2
1505	27435.7	166505.2
1515	27435.7	115943.5

MIN Cent 20553.1 6921.4

1012	21081.2	3145.2
1004	21081.2	10453.6
1505	20025.0	10453.6
1515	20025.0	3145.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1505 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 7.04

1515	5986578.7	5986578.7	0.0	5986578.7	5986578.7	87.20
1505	5986578.7	5986578.7	0.0	5986578.7	5986578.7	88.18
1506	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-10.25
1516	5986578.7	5986578.7	0.0	5986578.7	5986578.7	84.92

MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 7.21

1515	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	86.59
1505	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	86.98
1506	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-10.00
1516	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	84.30

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 52487.7 556562.5 33139.6 556869.4 52198.9 88.59

1515	99080.0	571515.2	19085.4	571680.6	99022.4	88.93
1505	10446.9	602344.0	48555.3	603402.4	9662.0	87.58
1506	8305.4	539662.1	50739.0	540456.0	7531.2	87.79
1516	92397.7	525526.2	21269.0	525699.5	92239.0	88.85

MIN Cent 37329.5 377975.9 11771.6 381170.0 34147.4 84.49

1515	71935.1	394480.4	5102.9	394660.5	71755.0	88.65
1505	7589.1	419481.6	16903.5	420469.2	3770.0	87.20
1506	3911.4	316181.3	19786.1	324218.7	-4126.0	81.00
1516	59492.3	318785.7	7985.6	320518.7	57759.2	85.34

NODE Vxx Vyy

MAX Cent 26326.2 187722.5

1515	27435.7	155811.2
1505	27435.7	219633.9

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1506 25216.8 219633.9
 1516 25216.8 155811.2
 MIN Cent 18778.6 72862.2
 1515 20025.0 61026.2
 1505 20025.0 84698.1
 1506 15899.6 84698.1
 1516 15899.6 61026.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1506	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	5.51
				1516	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-89.98
				1506	5986578.7	5986578.7	0.0	5986578.7	5986578.7	13.32
				1005	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-88.09
				1013	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-0.62
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	5.55
				1516	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	89.98
				1506	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	8.43
				1005	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-88.29
				1013	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-0.92

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	46381.6	487977.0	36606.1	488712.5	45648.6	87.67
1516	91110.7	519207.4	20037.0	519320.0	91003.1	89.07
1506	9952.4	547960.1	56523.8	549566.1	8360.5	86.88
1005	6909.6	445099.8	57696.2	447408.2	4596.9	85.86
1013	77553.6	439640.8	21209.5	439884.2	77309.0	88.52
MIN Cent	25245.1	245216.7	17277.4	251148.5	19313.4	80.80
1516	56953.9	306093.9	6563.8	307695.1	55352.8	85.43
1506	7182.2	335049.6	28155.8	344534.4	-1799.7	80.47
1005	1859.6	162601.1	30361.9	181166.2	-16705.5	72.16
1013	34481.8	177122.3	8959.9	180209.2	31394.9	81.72

NODE	Vxx	Vyy
MAX Cent	23027.1	233813.8
1516	25216.8	196811.1
1506	25216.8	270816.4
1005	20837.4	270816.4
1013	20837.4	196811.1
MIN Cent	12240.6	126628.3
1516	15899.6	107443.4
1506	15899.6	145813.3
1005	8581.6	145813.3
1013	8581.6	107443.4

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1507	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	3.98
				1013	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-88.83
				1005	5986578.7	5986578.7	0.0	5986578.7	5986578.7	69.13
				1507	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-64.36
				1517	5986578.7	5986578.7	0.0	5986578.7	5986578.7	81.46
				MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	3.97
				1013	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-88.63
				1005	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	50.18
				1507	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-52.16
				1517	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	81.22

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	36116.9	375997.1	37655.1	377448.3	34622.0	86.27
1013	75667.3	430282.7	19196.9	430430.5	75508.3	88.83
1005	9107.3	455997.0	61800.7	459513.3	5565.1	84.95
1507	5033.9	306644.4	61751.4	312326.4	-648.1	82.26
1517	54659.0	311177.0	19147.6	311486.3	54317.1	88.02
MIN Cent	10063.0	82636.6	21101.6	98643.5	-5944.0	66.97
1013	31645.9	162942.8	6828.4	165692.0	28896.7	81.85
1005	5838.0	182493.1	35670.5	201966.7	-13635.6	72.51
1507	-476.2	-20821.2	36706.6	51935.0	-73232.4	40.32
1517	3244.1	5931.6	8260.0	23782.5	-14606.8	47.01

NODE	Vxx	Vyy
MAX Cent	17510.8	279366.6
1013	20837.4	239269.4
1005	20837.4	319463.8
1507	14184.1	319463.8
1517	14184.1	239269.4
MIN Cent	4055.4	172468.9
1013	8581.6	148843.4
1005	8581.6	196094.3
1507	-470.8	196094.3
1517	-470.8	148843.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1508	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	82.20
				1517	5986578.7	5986578.7	0.0	5986578.7	5986578.7	88.50
				1507	5986578.7	5986578.7	0.0	5986578.7	5986578.7	5.60
				1508	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-88.55
				1518	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-1.16
				MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	81.95
				1517	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	88.35

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1507 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 4.58
1508 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -88.74
1518 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -1.54

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE

```

```

-----
MAX Cent 21366.4 220712.9 35823.3 223675.3 18234.5 83.11
1517 52329.1 299528.8 16298.3 299686.4 52133.5 88.56
1507 7566.3 319306.4 63752.1 326618.2 254.5 81.39
1508 2670.5 125265.4 62285.2 142515.7 -14406.1 70.65
1518 22899.9 139837.0 14831.4 140239.4 22383.9 86.66
MIN Cent -8673.2 -109731.7 22272.0 2737.2 -121142.0 17.67
1517 340.6 -8586.1 5606.9 12775.6 -21021.2 37.34
1507 3368.1 -1599.7 40733.0 64684.7 -62916.3 43.88
1508 -3136.5 -233624.2 40879.6 12618.1 -249378.8 14.19
1518 -35265.0 -195116.6 6056.1 -33900.5 -196481.1 5.26

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NODE   Vxx   Vyy

```

```

-----
MAX Cent 9628.1 324230.8
1517 14184.1 283664.4
1507 14184.1 364797.2
1508 5072.0 364797.2
1518 5072.0 283664.4
MIN Cent -5986.2 217853.9
1517 -470.8 191394.4
1507 -470.8 244313.5
1508 -11501.7 244313.5
1518 -11501.7 191394.4

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

-----
1509 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 42.58
1518 5986578.7 5986578.7 0.0 5986578.7 5986578.7 78.30
1508 5986578.7 5986578.7 0.0 5986578.7 5986578.7 88.62
1509 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -62.93
1519 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -6.76
MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 33.28
1518 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 74.69
1508 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 89.36
1509 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -16.68
1519 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -6.04

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE

```

```

-----
MAX Cent 1590.6 22617.1 30689.5 39388.5 -14716.0 56.33
1518 20354.6 127026.1 11219.6 127154.9 20134.4 88.02
1508 5240.5 138115.4 61650.2 156977.7 -13481.9 70.58

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1509 -279.0 -98497.9 58617.1 22898.6 -121055.2 23.60
1519 -18736.7 -74903.1 8186.6 -18400.2 -75078.3 4.38
MIN Cent -31633.5 -331797.5 21207.6 -28527.9 -334903.2 5.78
1518 -37951.5 -208549.2 2940.5 -37216.8 -209283.9 3.75
1508 177.4 -217055.0 43178.3 16454.0 -233331.7 14.79
1509 -6263.6 -474960.2 42270.6 956.1 -482179.9 7.02
1519 -82496.4 -426625.7 1694.8 -82301.8 -426820.3 1.36

```

NODE Vxx Vyy

```

MAX Cent -838.5 370605.6
1518 5072.0 336073.4
1508 5072.0 405737.5
1509 -6652.9 405737.5
1519 -6652.9 336073.4
MIN Cent -18153.4 262618.2
1518 -11501.7 235612.4
1508 -11501.7 289624.1
1509 -24805.1 289624.1
1519 -24805.1 235612.4

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1510 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 87.18
1519 5986578.7 5986578.7 0.0 5986578.7 5986578.7 8.13
1509 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -85.44
1510 5986578.7 5986578.7 0.0 5986578.7 5986578.7 86.12
1520 5986578.7 5986578.7 0.0 5986578.7 5986578.7 24.36
MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 87.09
1519 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 6.56
1509 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -85.34
1510 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 84.26
1520 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 16.59

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -23678.4 -214805.4 22155.9 -21254.4 -217229.4 6.39
1519 -21122.8 -87323.3 4278.2 -21095.9 -87346.7 1.15
1509 1966.3 -87271.4 55791.1 27752.4 -112551.7 25.34
1510 -4065.1 -352255.0 53019.9 3398.7 -359080.7 8.17
1520 -68089.6 -323000.3 432.9 -68088.9 -323002.1 0.10
MIN Cent -59885.1 -583382.6 17656.1 -58964.6 -584303.1 2.40
1519 -84630.0 -437293.7 -2128.7 -84578.1 -437345.6 0.69
1509 -3913.1 -463208.1 42221.7 2471.5 -469592.8 6.68
1510 -10339.9 -743226.7 40168.5 -6957.7 -746609.0 3.88
1520 -140657.4 -689801.9 -5021.1 -140657.2 -689802.1 -0.04

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

-----
MAX Cent -13870.9 434284.3
1519 -6652.9 404349.8
1509 -6652.9 464218.8
1510 -20076.9 464218.8
1520 -20076.9 404349.8
MIN Cent -32761.1 306558.1
1519 -24805.1 282251.6
1509 -24805.1 330864.6
1510 -40717.1 330864.6
1520 -40717.1 282251.6

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1511 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 8.21
1520 5986578.7 5986578.7 0.0 5986578.7 5986578.7 78.94
1510 5986578.7 5986578.7 0.0 5986578.7 5986578.7 11.51
1006 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -80.27
1014 5986578.7 5986578.7 0.0 5986578.7 5986578.7 17.95
MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 11.30
1520 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 77.39
1510 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 5.56
1006 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -73.17
1014 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 21.54

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -50734.3 -455941.3 15975.5 -50405.1 -456270.5 1.63
1520 -69475.4 -332358.9 -1532.7 -69466.6 -332387.7 -0.33
1510 -2587.0 -345127.5 49449.8 4200.7 -351222.3 7.83
1006 -9737.1 -584094.9 46266.0 -7645.4 -586036.0 3.91
1014 -120375.1 -554501.4 -4650.7 -120325.3 -554551.2 -0.61
MIN Cent -95479.8 -864172.3 9644.3 -95353.0 -864299.1 0.74
1520 -141877.9 -695904.4 -7770.6 -141861.6 -695920.8 -0.31
1510 -9347.1 -738262.7 36564.5 -7096.4 -740513.5 3.18
1006 -18239.1 -1035655.7 33446.5 -17062.9 -1036831.8 1.95
1014 -212455.1 -986866.2 -11810.9 -212351.3 -986970.0 -0.66

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NODE Vxx Vyy
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-----
MAX Cent -26867.4 496312.2
1520 -20076.9 478048.4
1510 -20076.9 514735.8
1006 -33657.9 514735.8
1014 -33657.9 478048.4
MIN Cent -49809.1 349399.6
1520 -40717.1 332406.8
1510 -40717.1 366392.3
1006 -58901.2 366392.3

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1014 -58901.2 332406.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1512	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	84.31
				1014	5986578.7	5986578.7	0.0	5986578.7	5986578.7	9.38
				1006	5986578.7	5986578.7	0.0	5986578.7	5986578.7	14.28
				1007	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-89.19
				1015	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-76.17
				MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	83.90
				1014	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	7.57
				1006	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	15.86
				1007	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-89.05
				1015	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-8.52

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	-85125.6	-697842.2	6902.6	-85109.1	-697858.6	0.30
1014	-121075.0	-558001.1	-2468.9	-121061.1	-558015.0	-0.32
1006	-9458.5	-582701.6	34631.7	-8427.1	-583644.0	2.92
1007	-20137.6	-833815.5	30702.0	-19668.8	-834284.3	1.37
1015	-189831.1	-816850.6	-6195.0	-189769.9	-816911.8	-0.57
MIN Cent	-143570.8	-1173663.5	-5103.4	-143545.5	-1173688.7	-0.28
1014	-212446.2	-986822.0	-9023.7	-212423.8	-986844.5	-0.31
1006	-18776.3	-1038341.6	15255.4	-18548.1	-1038569.8	0.86
1007	-32807.8	-1345938.2	8858.2	-32748.0	-1345998.0	0.39
1015	-310252.9	-1323552.0	-13371.1	-310142.8	-1323662.1	-0.60

NODE Vxx Vyy

MAX Cent	-41819.9	555880.3
1014	-33657.9	559587.2
1006	-33657.9	553340.2
1007	-49981.9	553340.2
1015	-49981.9	559587.2
MIN Cent	-70155.8	390592.4
1014	-58901.2	387525.2
1006	-58901.2	393659.5
1007	-81410.3	393659.5
1015	-81410.3	387525.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1513	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	5.76
				1015	5986578.7	5986578.7	0.0	5986578.7	5986578.7	72.80
				1007	5986578.7	5986578.7	0.0	5986578.7	5986578.7	4.05
				1008	5986578.7	5986578.7	0.0	5986578.7	5986578.7	87.68

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1016 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -8.12
MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 5.11
1015 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 72.38
1007 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 3.60
1008 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 86.71
1016 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -5.99

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -137560.4 -967832.6 -1499.0 -137539.4 -967853.5 -0.29
1015 -189718.9 -816289.3 19458.5 -189558.0 -816450.2 0.92
1007 -20338.5 -834819.9 -2264.4 -20248.6 -834909.8 -0.60
1008 -64881.6 -1103366.1 -5231.1 -64751.2 -1103496.6 -0.64
1016 -275302.5 -1116855.1 14778.4 -275244.9 -1116912.6 0.47
MIN Cent -221548.5 -1510973.4 -12131.3 -221434.3 -1511087.5 -0.54
1015 -309009.0 -1317332.1 7347.9 -308633.6 -1317707.4 1.11
1007 -33689.0 -1350344.2 -47944.7 -31945.5 -1352087.8 -2.08
1008 -153866.5 -1681994.0 -52624.7 -152056.4 -1683804.1 -1.97
1016 -408608.1 -1694223.3 4789.3 -408580.4 -1694390.7 0.28

```

```

NODE Vxx Vyy
-----
MAX Cent -54982.9 611543.8
1015 -49981.9 651078.8
1007 -49981.9 575045.4
1008 -59983.9 575045.4
1016 -59983.9 651078.8
MIN Cent -83278.6 429337.5
1015 -81410.3 448161.7
1007 -81410.3 410513.3
1008 -93779.0 410513.3
1016 -93779.0 448161.7

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1514 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -84.27
1017 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -0.92
1009 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -76.85
1010 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -11.46
1018 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -80.09
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -83.68
1017 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -0.63
1009 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -76.11
1010 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -17.05
1018 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -80.09

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 79867.0 365579.0 2396.7 365599.1 79846.9 89.52
  1017 55665.9 279698.7 1150.3 279704.6 55660.0 89.71
  1009 83298.9 346368.0 582.3 346369.3 83297.6 89.87
  1010 101206.0 431979.2 3796.3 432022.8 101162.4 89.34
  1018 79297.4 404270.3 4364.3 404328.9 79238.8 89.23
MIN Cent -93582.3 -444423.6 -1561.8 -93581.3 -444424.5 -0.09
  1017 -114287.4 -597256.5 -1319.6 -114286.6 -597257.3 -0.07
  1009 -131748.6 -581999.7 -1818.0 -131741.5 -582003.0 -0.23
  1010 -72115.9 -293336.9 -906.2 -72113.0 -293336.9 -0.21
  1018 -57740.8 -305101.2 -407.7 -57739.1 -305102.9 0.15

```

NODE Vxx Vyy

```

MAX Cent 5512.5 -159592.4
  1017 6152.5 -189487.5
  1009 6152.5 -129697.4
  1010 4872.4 -129697.4
  1018 4872.4 -189487.5
MIN Cent -4427.7 -440885.1
  1017 -4129.1 -444045.9
  1009 -4129.1 -437724.4
  1010 -4726.2 -437724.4
  1018 -4726.2 -444045.9

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1515 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -82.98
  1018 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -80.48
  1010 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -7.43
  1011 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -84.64
  1019 5986578.7 5986578.7 0.0 5986578.7 5986578.7 1.00
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -82.26
  1018 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -75.95
  1010 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -8.97
  1011 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -84.23
  1019 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 0.98

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 97970.9 461581.1 7520.9 461736.6 97815.4 88.82
  1018 78614.4 400855.4 7306.7 401021.0 78448.8 88.70
  1010 103285.8 442378.3 3487.2 442402.6 103261.5 89.51
  1011 107094.5 508386.2 5225.5 508442.5 107038.2 89.32
  1019 102889.0 494704.6 9187.5 494919.9 102673.7 88.66
MIN Cent -39723.7 -173100.2 813.5 -39715.5 -173140.8 0.45
  1018 -57821.7 -305506.0 852.9 -57802.9 -305524.8 0.50
  1010 -71039.5 -287942.8 33.7 -71039.4 -287951.9 0.03
  1011 -22398.0 -46034.9 934.9 -22345.2 -46302.6 2.74
  1019 -8393.3 -52917.1 1754.2 -8276.3 -53157.4 3.00

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	4619.0	-121934.8
1018	4872.4	-140708.9
1010	4872.4	-103160.8
1011	4518.9	-103160.8
1019	4518.9	-140708.9
MIN Cent	-2575.2	-375392.6
1018	-4726.2	-383589.8
1010	-4726.2	-367195.4
1011	-424.2	-367195.4
1019	-424.2	-383589.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1516	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	87.21
				1019	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-66.78
				1011	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-8.68
				1511	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-74.14
				1521	5986578.7	5986578.7	0.0	5986578.7	5986578.7	60.31
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	86.80
				1019	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-65.13
				1011	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-8.16
				1511	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-75.36
				1521	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	57.04

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	110199.2	532035.7	9756.2	532261.2	109973.7	88.68
1019	102365.6	492087.4	10480.2	492369.0	102083.9	88.46
1011	109021.7	518022.4	6904.1	518123.0	108921.1	89.10
1511	113068.9	563327.4	8095.8	563459.3	112937.1	89.02
1521	116340.7	554705.5	11769.4	555021.3	116024.9	88.46
MIN Cent	5523.5	56332.7	2557.2	56720.9	5356.3	85.00
1019	-8531.5	-53903.1	2561.7	-8308.7	-54309.1	4.10
1011	-20829.7	-38155.7	2275.4	-20461.7	-39035.9	8.36
1511	19930.5	158822.2	3013.8	158887.8	19834.4	88.75
1521	31524.6	157345.3	3300.9	157479.7	31404.5	88.12

NODE	Vxx	Vyy

MAX Cent	4180.2	-82469.2
1019	4518.9	-94586.4
1011	4518.9	-70352.0
1511	3841.6	-70352.0
1521	3841.6	-94586.4
MIN Cent	509.2	-310784.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1019 -424.2 -321459.2
1011 -424.2 -300109.3
1511 643.3 -300109.3
1521 643.3 -321459.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1517	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-86.34
				1521	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-13.59
				1511	5986578.7	5986578.7	0.0	5986578.7	5986578.7	87.58
				1512	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-26.25
				1522	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-59.66
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	89.12
				1521	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-11.36
				1511	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	86.54
				1512	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-22.49
				1522	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-59.04

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	117215.1	575628.6	11572.3	575920.6	116923.1	88.55
1521	116048.0	553242.1	12453.1	553596.5	115693.6	88.37
1511	114496.0	570462.6	8747.3	570630.4	114328.2	88.90
1512	114972.9	592786.2	9735.3	592984.5	114774.7	88.83
1522	123343.3	586023.7	13441.1	586413.8	122953.2	88.34
MIN Cent	41787.2	238567.2	3943.2	238651.6	41680.2	88.81
1521	31342.5	156001.4	4194.0	156205.2	31156.2	87.67
1511	21697.4	167400.7	3254.1	167473.6	21598.3	88.72
1512	51268.3	300984.5	3785.2	301076.8	51115.4	88.89
1522	60976.1	299175.2	4725.1	299346.5	60843.9	88.46

NODE	Vxx	Vyy
MAX Cent	3793.9	-42334.5
1521	3841.6	-49524.1
1511	3841.6	-35145.0
1512	3746.2	-35145.0
1522	3746.2	-49524.1
MIN Cent	825.8	-247207.7
1521	643.3	-257998.6
1511	643.3	-236416.8
1512	1008.3	-236416.8
1522	1008.3	-257998.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1518	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-67.48

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1522 5986578.7 5986578.7 0.0 5986578.7 5986578.7 79.42
1512 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -82.56
1513 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -2.67
1523 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -54.07
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -66.29
1522 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 74.47
1512 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -81.32
1513 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -3.52
1523 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -53.52

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 118923.3 591582.2 12923.4 591935.3 118570.2 88.43
1522 123298.5 585799.6 13804.2 586211.3 122886.9 88.29
1512 115718.9 596516.0 10745.7 596756.1 115478.9 88.72
1513 112795.6 595051.7 11527.2 595327.0 112520.2 88.63
1523 123880.0 588961.5 14585.7 589418.5 123423.1 88.21
MIN Cent 66424.6 335113.5 4749.9 335261.7 66276.4 88.66
1522 60886.6 298390.8 5270.1 298591.0 60732.4 88.33
1512 52819.0 306774.0 3822.8 306876.5 52666.4 88.84
1513 68353.1 367960.6 4153.0 368061.7 68252.0 88.95
1523 76714.8 367328.8 5600.4 367512.8 76530.7 88.56

```

NODE Vxx Vyy

```

MAX Cent 3840.0 -1712.2
1522 3746.2 -4815.3
1512 3746.2 1390.9
1513 3933.8 1390.9
1523 3933.8 -4815.3
MIN Cent 1179.2 -184316.7
1522 1008.3 -193647.3
1512 1008.3 -174986.0
1513 1350.1 -174986.0
1523 1350.1 -193647.3

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1519 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -14.32
1523 5986578.7 5986578.7 0.0 5986578.7 5986578.7 3.70
1513 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -45.00
1514 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -78.52
1524 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -8.28
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -13.50
1523 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 3.75
1513 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -15.56
1514 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -68.33
1524 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -10.37

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	115339.4	579417.1	13925.6	579834.5	114921.9	88.28
1523	124067.8	589900.4	14659.2	590361.2	123607.0	88.20
1513	112793.0	595038.8	12466.6	595360.9	112471.0	88.52
1514	106287.6	574923.0	13053.6	575120.5	105919.8	88.83
1524	118209.1	579564.2	15246.2	579908.7	117687.7	88.45
MIN Cent	76241.2	388074.0	5063.5	388225.7	76089.5	88.74
1523	76674.1	367125.6	5691.4	367319.9	76479.8	88.52
1513	69135.3	371871.4	4185.6	371982.0	69024.7	88.91
1514	75013.9	406653.0	4338.7	406765.0	74901.9	88.95
1524	84141.4	406645.9	5844.5	406835.5	83951.8	88.61

NODE	Vxx	Vyy

MAX Cent	4060.8	39319.9
1523	3933.8	39827.1
1513	3933.8	38812.7
1514	4187.8	38812.7
1524	4187.8	39827.1
MIN Cent	1452.3	-121867.5
1523	1350.1	-128768.6
1513	1350.1	-114966.4
1514	1554.5	-114966.4
1524	1554.5	-128768.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1520	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-82.57
				1524	5986578.7	5986578.7	0.0	5986578.7	5986578.7	87.43
				1514	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-14.20
				1012	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-39.93
				1020	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-43.26
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-81.08
				1524	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	87.13
				1514	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-9.14
				1012	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-27.03
				1020	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-31.19

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	106935.0	589176.6	14557.2	589427.4	106684.3	88.69
1524	118606.1	580116.4	15105.4	580437.2	118096.1	88.50
1514	105535.9	578092.0	13829.4	578289.4	105120.4	88.84
1012	102722.1	596135.3	14202.7	596321.1	102585.8	88.89
1020	115473.7	602362.8	15478.7	602664.7	115361.8	88.58
MIN Cent	80398.1	412295.5	4970.5	412448.9	80244.7	88.77
1524	84232.5	407101.5	5550.6	407287.8	84046.2	88.62

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1514	75324.0	408203.7	4391.6	408324.8	75203.0	88.91
1012	76456.1	416793.7	4366.7	416918.5	76331.4	88.90
1020	85579.6	417083.2	5549.1	417272.6	85390.2	88.63

NODE Vxx Vyy

MAX Cent 4259.9 80757.5

1524	4187.8	84527.3
1514	4187.8	76987.7
1012	4332.0	76987.7
1020	4332.0	84527.3

MIN Cent 1543.8 -59635.2

1524	1554.5	-63526.4
1514	1554.5	-55743.9
1012	1533.1	-55743.9
1020	1533.1	-63526.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1521 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -43.51

1020	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-28.86
1012	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-4.70
1515	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-81.03
1525	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-14.82

MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -39.64

1020	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-26.59
1012	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-4.55
1515	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-70.75
1525	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-16.35

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 107001.6 589410.3 14777.2 589622.9 106926.4 88.80

1020	115569.8	603797.1	15183.5	604059.1	115480.7	88.67
1012	102613.5	595707.2	14701.1	595887.8	102476.8	88.90
1515	99284.9	575418.3	14835.4	575589.5	99244.3	88.92
1525	114891.0	582718.8	15317.9	582971.0	114811.3	88.68

MIN Cent 78952.6 407677.1 4496.4 407830.3 78799.3 88.76

1020	85808.0	418225.2	4945.9	418401.7	85631.6	88.68
1012	76245.8	415742.2	4385.1	415874.0	76114.1	88.87
1515	72737.4	398165.0	4213.2	398303.4	72598.9	88.82
1525	81019.0	398575.9	4774.0	398761.8	80833.1	88.61

NODE Vxx Vyy

MAX Cent 4294.8 122641.5

1020	4332.0	129339.5
1012	4332.0	115943.5

AUTOSTRADA VALDASTICO A31 NORD
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1515 4257.5 115943.5
 1525 4257.5 129339.5
 MIN Cent 1386.0 2603.3
 1020 1533.1 2061.3
 1012 1533.1 3145.2
 1515 1239.0 3145.2
 1525 1239.0 2061.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1522	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	5.56
				1525	5986578.7	5986578.7	0.0	5986578.7	5986578.7	22.69
				1515	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-83.91
				1516	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-76.33
				1526	5986578.7	5986578.7	0.0	5986578.7	5986578.7	84.29
				MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	5.55
				1525	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-1.15
				1515	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-83.02
				1516	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-74.40
				1526	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	83.10

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	102264.9	550759.8	14552.6	550809.5	102215.2	89.40
1525	115139.5	585024.8	14926.9	585229.3	115084.1	88.81
1515	98683.4	571319.5	14954.5	571477.3	98644.7	88.96
1516	91447.9	525221.1	14832.9	525270.3	91412.6	89.39
1526	105605.5	533443.4	14805.3	533491.4	105557.5	89.39
MIN Cent	71908.5	371459.8	3647.8	372166.5	71756.3	87.22
1525	81381.6	400388.5	3877.0	400554.9	81215.2	88.69
1515	72003.2	394494.0	4120.9	394634.6	71862.5	88.80
1516	58443.2	318575.8	3740.3	319418.9	57600.1	86.75
1526	64827.3	315609.2	3484.7	316480.2	63956.3	86.63

NODE	Vxx	Vyy
MAX Cent	4095.2	165047.3
1525	4257.5	174283.5
1515	4257.5	155811.2
1516	3963.5	155811.2
1526	3963.5	174283.5
MIN Cent	965.7	64180.5
1525	1239.0	67197.0
1515	1239.0	61026.2
1516	692.4	61026.2
1526	692.4	67197.0

AUTOSTRADA VALDASTICO A31 NORD
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ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1523	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-4.88
				1526	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-33.84
				1516	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-81.87
				1013	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-79.79
				1021	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-26.02
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-5.35
				1526	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-18.92
				1516	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-80.29
				1013	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-69.98
				1021	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-16.13

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	89285.5	485062.0	13883.0	485087.7	89259.8	89.54
1526	106009.2	535461.8	14380.6	535489.2	105981.7	89.54
1516	90161.0	518902.3	14497.0	518940.9	90130.5	89.46
1013	75781.3	439149.5	14119.8	439180.8	75753.5	89.47
1021	87525.3	446734.4	14003.4	446755.3	87504.4	89.56
MIN Cent	47115.5	244366.2	2510.7	245338.5	46143.1	85.99
1526	65690.9	319927.1	2527.5	320737.9	64880.0	86.77
1516	55904.8	305884.1	3428.8	306722.0	55066.9	86.69
1013	31789.4	176583.8	2956.0	177947.9	30425.3	84.48
1021	35076.9	175069.8	2054.7	176456.9	33689.9	84.34

NODE	Vxx	Vyy
MAX Cent	3712.0	208082.2
1526	3963.5	219353.2
1516	3963.5	196811.1
1013	3460.6	196811.1
1021	3460.6	219353.2
MIN Cent	329.4	113583.9
1526	692.4	119724.5
1516	692.4	107443.4
1013	-33.7	107443.4
1021	-33.7	119724.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1524	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-3.90
				1021	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-36.21
				1013	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-53.88
				1517	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-81.65
				1527	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-78.59
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-3.67
				1021	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-33.68

AUTOSTRADA VALDASTICO A31 NORD
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```

1013 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -23.69
1517 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -79.54
1527 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -77.85

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE

```

```

-----
MAX Cent 67917.0 376582.7 12817.8 376589.3 67910.5 89.74
1021 88073.0 449472.7 13611.1 449480.5 88065.3 89.73
1013 73894.9 429791.4 13295.7 429809.3 73875.2 89.59
1517 51885.1 310473.0 12687.4 310484.7 51866.9 89.62
1527 60581.8 316593.8 13002.8 316596.9 60578.8 89.80
MIN Cent 15820.5 88109.1 1066.8 90314.6 13615.0 80.24
1021 36021.6 179793.4 1227.6 181070.6 34744.4 84.64
1013 28953.5 162404.3 2276.0 163716.1 27641.7 84.37
1517 -1179.1 5047.0 1357.5 14997.7 -11129.9 51.89
1527 -514.1 5191.6 374.2 15650.8 -10973.3 51.19

```

```

NODE   Vxx   Vyy

```

```

-----
MAX Cent 3125.1 251889.6
1021 3460.6 264509.8
1013 3460.6 239269.4
1517 2789.6 239269.4
1527 2789.6 264509.8
MIN Cent -409.2 156896.7
1021 -33.7 164950.0
1013 -33.7 148843.4
1517 -784.7 148843.4
1527 -784.7 164950.0

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

-----
1525 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -76.65
1527 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -4.38
1517 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -4.83
1518 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -84.68
1528 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -56.65
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -70.32
1527 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -3.69
1517 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -5.06
1518 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -83.62
1528 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -33.99

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE

```

```

-----
MAX Cent 37940.1 225054.6 11468.8 225055.3 37939.4 -89.89
1527 61240.0 319884.5 12699.9 319884.5 61240.0 -90.00
1517 49555.2 298824.8 11412.5 298826.4 49547.2 89.85

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1518 19143.1 138940.5 10625.2 138940.7 19135.5 -89.93
1528 24822.2 142568.7 11912.6 142574.0 24816.9 -89.61
MIN Cent -21656.1 -97517.2 -982.5 -19960.1 -99213.2 8.41
1527 447.8 10001.1 -658.2 18792.9 -8344.0 55.31
1517 -4082.7 -9470.8 139.9 4949.4 -18502.9 38.36
1518 -41271.7 -196318.0 -765.9 -40547.0 -197042.7 3.90
1528 -41717.7 -194281.2 -1564.0 -40793.1 -195205.7 4.44

```

NODE Vxx Vyy

```

MAX Cent 2453.8 296660.8
1527 2789.6 309657.3
1517 2789.6 283664.4
1518 2117.9 283664.4
1528 2117.9 309657.3
MIN Cent -1050.5 200803.5
1527 -784.7 210212.7
1517 -784.7 191394.4
1518 -1316.3 191394.4
1528 -1316.3 210212.7

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1526 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 89.79
1528 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -16.80
1518 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -71.64
1519 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -41.55
1529 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -81.34
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 89.78
1528 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -16.69
1518 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -66.30
1519 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -35.93
1529 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -34.22

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -892.4 30132.5 10011.8 30246.5 -1006.4 -86.54
1528 25522.8 146071.8 11695.5 146088.1 25506.4 -89.33
1518 16597.8 126129.6 9070.6 126146.1 16597.7 -89.30
1519 -22937.3 -75872.4 8179.0 -22937.1 -75873.5 0.11
1529 -19473.4 -75792.9 10803.9 -19399.0 -75867.3 -2.08
MIN Cent -65569.8 -312798.5 -2738.2 -65165.0 -313203.3 2.32
1528 -40832.6 -189856.0 -2299.2 -39920.3 -190768.3 4.46
1518 -43958.2 -209750.5 -2068.7 -43463.4 -210245.3 3.12
1519 -89404.1 -428007.2 -2807.9 -89206.7 -428204.7 1.38
1529 -88084.1 -423580.2 -3038.5 -87736.5 -423927.8 1.84

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

-----
MAX Cent  1925.5 351412.4
  1528  2117.9 366751.5
  1518  2117.9 336073.4
  1519  1733.1 336073.4
  1529  1733.1 366751.5
MIN Cent -1300.5 245510.9
  1528 -1316.3 255409.3
  1518 -1316.3 235612.4
  1519 -1284.7 235612.4
  1529 -1284.7 255409.3

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1527 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -88.53
  1529 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -45.00
  1519 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -17.62
  1520 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -81.88
  1530 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -76.61
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -87.77
  1529 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -40.62
  1519 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -12.79
  1520 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -72.09
  1530 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -56.97

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -47813.3 -206176.6 8639.8 -47787.8 -206188.8 -0.73
  1529 -18844.4 -72647.9 10470.4 -18736.7 -72755.6 -2.56
  1519 -25323.4 -88181.3 6817.0 -25319.8 -88192.7 -0.44
  1520 -71436.1 -323590.0 5894.7 -71424.6 -323592.2 0.38
  1530 -69106.1 -327523.9 9548.2 -69062.8 -327567.2 0.74
MIN Cent -116018.7 -558163.1 -3807.9 -115849.9 -558331.9 1.12
  1529 -87409.9 -420209.5 -3482.5 -87080.9 -420538.6 1.80
  1519 -91537.7 -438675.2 -3761.5 -91403.9 -438809.0 1.12
  1520 -146174.5 -690905.3 -4150.2 -146110.7 -690969.1 0.62
  1530 -138952.6 -682862.5 -3871.2 -138785.1 -683030.1 1.01

```

```

NODE Vxx Vyy
-----
MAX Cent  1837.8 419455.9
  1529  1733.1 434562.1
  1519  1733.1 404349.8
  1520  1942.5 404349.8
  1530  1942.5 434562.1
MIN Cent -812.5 291298.9
  1529 -1284.7 300346.2
  1519 -1284.7 282251.6
  1520 -340.2 282251.6

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1530 -340.2 300346.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1528	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	0.07
				1530	5986578.7	5986578.7	0.0	5986578.7	5986578.7	78.74
				1520	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-6.12
				1014	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-39.78
				1022	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-11.79
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	0.48
				1530	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	4.26
				1520	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-6.05
				1014	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-42.72
				1022	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-11.61

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	-93311.5	-441897.6	7506.1	-93293.2	-441916.0	0.42
1530	-68782.4	-325905.7	8281.7	-68754.3	-325933.8	0.60
1520	-72821.9	-332948.6	5802.0	-72809.6	-332948.8	0.39
1014	-119611.4	-554348.7	4859.5	-119606.4	-554353.7	0.19
1022	-112030.3	-552582.8	7339.2	-112017.6	-552595.6	0.31
MIN Cent	-172585.5	-834276.3	-3751.0	-172500.4	-834361.4	0.65
1530	-138667.7	-681438.0	-4477.0	-138541.4	-681564.4	0.87
1520	-147395.0	-697007.8	-3819.9	-147333.8	-697069.1	0.60
1014	-211379.1	-986651.1	-3683.6	-211348.7	-986681.5	0.36
1022	-192900.2	-972008.2	-4340.7	-192831.1	-972077.3	0.54

NODE Vxx Vyy

MAX Cent	3055.7	489977.8
1530	1942.5	501907.2
1520	1942.5	478048.4
1014	4490.5	478048.4
1022	4490.5	501907.2
MIN Cent	742.1	338565.2
1530	-340.2	344723.7
1520	-340.2	332406.8
1014	1824.3	332406.8
1022	1824.3	344723.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1529	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	86.95
				1022	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-68.57
				1014	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-0.13
				1015	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-85.11

AUTOSTRADA VALDASTICO A31 NORD
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```

1023 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -10.33
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 85.83
1022 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -63.78
1014 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -0.47
1015 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -85.19
1023 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -8.92

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -140714.6 -682951.1 5503.1 -140706.2 -682959.5 0.23
1022 -112090.7 -552884.6 3019.5 -112090.7 -552884.6 0.00
1014 -120311.3 -557848.3 9971.5 -120263.2 -557896.4 0.60
1015 -169029.8 -812690.3 8846.0 -169000.4 -812719.8 0.39
1023 -161426.6 -808381.3 1894.0 -161426.5 -808381.3 -0.02
MIN Cent -233181.8 -1142158.6 -2880.6 -233148.5 -1142191.9 0.35
1022 -193229.8 -973656.2 -6397.1 -193218.1 -973667.8 0.22
1014 -211370.3 -986606.8 779.9 -211242.1 -986735.1 0.74
1015 -271728.9 -1315847.2 1524.0 -271654.0 -1315922.1 0.49
1023 -256398.3 -1292524.3 -5653.0 -256394.9 -1292527.7 0.10

```

```

NODE Vxx Vyy
-----
MAX Cent 3785.2 564034.3
1022 4490.5 568481.4
1014 4490.5 559587.2
1015 3080.0 559587.2
1023 3080.0 568481.4
MIN Cent 2017.0 387945.2
1022 1824.3 388365.1
1014 1824.3 387525.2
1015 1801.0 387525.2
1023 1801.0 388365.1

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1530 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -5.40
1023 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -82.45
1015 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -5.22
1016 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -86.14
1024 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -24.43
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -4.91
1023 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -81.70
1015 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -5.76
1016 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -85.97
1024 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -20.54

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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MAX Cent -188593.7 -955835.9 4043.7 -188588.9 -955840.7 0.14
  1023 -162088.3 -811689.8 -7530.7 -161922.8 -811855.3 -0.91
  1015 -168917.6 -812129.0 22238.7 -168538.8 -812507.8 1.39
  1016 -212957.7 -1104386.1 22823.0 -212694.6 -1104649.2 0.98
  1024 -210411.3 -1095138.5 -9269.7 -210282.7 -1095267.1 -0.69
MIN Cent -294610.7 -1483410.0 -220.6 -294596.9 -1483423.8 0.19
  1023 -257514.9 -1298107.2 -20001.1 -257460.4 -1298161.7 -0.41
  1015 -270484.9 -1309627.2 15613.9 -270218.5 -1309893.7 0.92
  1016 -336082.7 -1683514.0 14903.0 -335917.9 -1683678.8 0.63
  1024 -314360.1 -1642391.7 -18895.0 -314295.4 -1642456.4 -0.40

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NODE Vxx Vyy

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-----
MAX Cent 3488.9 643770.1
  1023 3080.0 636461.5
  1015 3080.0 651078.8
  1016 3897.9 651078.8
  1024 3897.9 636461.5
MIN Cent 919.3 440521.0
  1023 1801.0 432880.3
  1015 1801.0 448161.7
  1016 -417.6 448161.7
  1024 -417.6 432880.3

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

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-----
1531 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 79.27
  1025 5986578.7 5986578.7 0.0 5986578.7 5986578.7 45.00
  1017 5986578.7 5986578.7 0.0 5986578.7 5986578.7 79.26
  1018 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -1.45
  1026 5986578.7 5986578.7 0.0 5986578.7 5986578.7 74.85
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 76.54
  1025 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 46.01
  1017 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 62.35
  1018 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -0.55
  1026 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 72.56

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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-----
MAX Cent 67419.5 322113.7 4119.9 322121.9 67411.3 -89.67
  1025 51718.4 238720.3 2537.4 238741.2 51697.5 -89.39
  1017 57856.3 280136.8 1999.5 280147.5 57845.6 -89.60
  1018 89592.1 406329.2 4755.9 406336.1 89585.2 89.73
  1026 70511.4 363268.3 5193.0 363272.1 70507.7 89.80
MIN Cent -90932.5 -465689.8 -1445.2 -90901.6 -465708.7 0.52
  1025 -131088.4 -632672.9 -1977.5 -131080.1 -632677.1 0.23
  1017 -111049.6 -596609.0 -1543.2 -111046.1 -596612.5 0.15
  1018 -53794.2 -304285.3 1202.8 -53730.1 -304331.6 0.92
  1026 -69177.0 -329597.0 1044.9 -69101.6 -329672.4 0.97

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	-1027.6	-190233.9
1025	619.5	-190980.3
1017	619.5	-189487.5
1018	-1700.7	-189487.5
1026	-1700.7	-190980.3
MIN Cent	-3732.9	-452195.6
1025	-4474.6	-460345.2
1017	-4474.6	-444045.9
1018	-3023.0	-444045.9
1026	-3023.0	-460345.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1532	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-6.05
				1026	5986578.7	5986578.7	0.0	5986578.7	5986578.7	59.72
				1018	5986578.7	5986578.7	0.0	5986578.7	5986578.7	17.18
				1019	5986578.7	5986578.7	0.0	5986578.7	5986578.7	4.34
				1027	5986578.7	5986578.7	0.0	5986578.7	5986578.7	72.64
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-6.12
				1026	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	43.09
				1018	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	16.62
				1019	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	4.74
				1027	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	59.87

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	89525.8	430891.2	9418.0	430966.3	89450.7	89.15
1026	70643.6	363929.3	9875.2	363959.5	70613.3	89.42
1018	88909.1	402914.4	6428.2	402969.1	88854.4	89.24
1019	106770.4	495480.8	8867.0	495595.6	106655.7	89.02
1027	91780.1	461240.3	12461.1	461322.5	91697.8	89.15
MIN Cent	-36589.0	-188843.2	3407.3	-36254.6	-189082.4	2.70
1026	-68857.7	-329319.8	2547.8	-68631.1	-329424.9	1.69
1018	-53847.9	-304690.1	2373.9	-53762.4	-304778.2	1.07
1019	-6057.8	-52425.1	3828.4	-5220.5	-53211.1	7.75
1027	-17592.7	-69302.2	4002.2	-15995.4	-70899.5	9.82

NODE	Vxx	Vyy

MAX Cent	-1341.9	-143941.9
1026	-1700.7	-147174.8
1018	-1700.7	-140708.9
1019	-962.6	-140708.9
1027	-962.6	-147174.8
MIN Cent	-2820.9	-389140.0

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1026 -3023.0 -394690.2
1018 -3023.0 -383589.8
1019 -2658.7 -383589.8
1027 -2658.7 -394690.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1533	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	80.60
				1027	5986578.7	5986578.7	0.0	5986578.7	5986578.7	1.71
				1019	5986578.7	5986578.7	0.0	5986578.7	5986578.7	43.69
				1521	5986578.7	5986578.7	0.0	5986578.7	5986578.7	3.26
				1531	5986578.7	5986578.7	0.0	5986578.7	5986578.7	55.51
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	79.35
				1027	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	1.78
				1019	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	34.05
				1521	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	4.64
				1531	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	52.32

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	105838.0	509796.2	13584.2	510019.5	105614.7	88.65
1027	91840.8	461544.3	14702.8	461712.7	91672.4	88.78
1019	106246.9	492863.7	10878.4	493080.2	106030.4	88.64
1521	119398.0	555317.0	12562.2	555600.2	119114.8	88.54
1531	105866.4	529459.8	16321.4	529689.1	105637.1	88.67
MIN Cent	8852.3	46013.2	5860.6	47917.7	6681.1	76.96
1027	-17208.9	-68963.3	5378.9	-15132.7	-70006.9	11.27
1019	-6196.0	-53411.1	5115.1	-5077.7	-54485.1	8.85
1521	33600.3	157750.0	6228.9	158118.8	33086.5	86.86
1531	23827.3	148214.6	6492.7	148669.7	22544.9	86.42

NODE Vxx Vyy

MAX Cent	-530.2	-98766.3
1027	-962.6	-102946.2
1019	-962.6	-94586.4
1521	-97.7	-94586.4
1531	-97.7	-102946.2
MIN Cent	-2657.8	-325502.9
1027	-2658.7	-329546.7
1019	-2658.7	-321459.2
1521	-2656.8	-321459.2
1531	-2656.8	-329546.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1534	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	2.57

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1531	5986578.7	5986578.7	0.0	5986578.7	5986578.7	28.71
1521	5986578.7	5986578.7	0.0	5986578.7	5986578.7	71.12
1522	5986578.7	5986578.7	0.0	5986578.7	5986578.7	3.53
1532	5986578.7	5986578.7	0.0	5986578.7	5986578.7	83.89
MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	2.32
1531	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	30.11
1521	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	63.03
1522	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	4.58
1532	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	82.74

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	116188.9	559513.6	15973.8	559894.4	115808.0	88.32
1531	105872.0	529487.8	17334.8	529818.9	105540.9	88.40
1521	119105.3	553853.5	13722.5	554209.7	118749.2	88.36
1522	125261.8	586407.4	14747.0	586824.9	124844.4	88.28
1532	114516.6	568305.5	18100.6	568693.8	114128.3	88.33
MIN Cent	43816.1	233712.0	7797.4	234111.1	43125.3	87.34
1531	24259.2	148376.4	7595.6	148909.9	22967.9	86.13
1521	33418.2	156406.2	6983.3	156843.2	32818.2	86.57
1522	61868.5	299460.8	7569.4	299719.1	61497.4	88.10
1532	55517.9	288974.1	8349.3	289281.7	54845.2	87.90

NODE Vxx Vyy

MAX Cent	359.2	-54082.5
1531	-97.7	-58641.0
1521	-97.7	-49524.1
1522	816.1	-49524.1
1532	816.1	-58641.0
MIN Cent	-2481.0	-261302.0
1531	-2656.8	-264605.4
1521	-2656.8	-257998.6
1522	-2305.3	-257998.6
1532	-2305.3	-264605.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1535	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-49.05
1532	5986578.7	5986578.7	0.0	5986578.7	5986578.7	54.96				
1522	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-13.11				
1523	5986578.7	5986578.7	0.0	5986578.7	5986578.7	4.16				
1533	5986578.7	5986578.7	0.0	5986578.7	5986578.7	81.08				
MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-23.31				
1532	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	53.43				
1522	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-19.59				
1523	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	4.04				
1533	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	80.19				

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	120467.6	580318.8	16793.8	580837.2	119949.2	88.08
1532	114482.2	568133.6	18148.0	568617.2	113998.6	88.13
1522	125217.0	586183.3	15363.8	586655.2	124745.2	88.17
1523	124990.9	589183.7	15803.3	589716.5	124458.0	88.06
1533	117180.4	577774.5	18231.3	578315.8	116639.1	88.04
MIN Cent	68994.9	329137.3	8616.2	329458.4	68673.8	87.99
1532	55812.9	289443.6	8620.8	289813.7	55211.1	87.70
1522	61779.0	298676.4	7918.4	298972.4	61382.9	87.96
1523	77500.7	367485.9	7904.4	367756.8	77229.8	88.25
1533	74126.1	360943.4	8767.1	361275.5	73794.0	88.05

NODE	Vxx	Vyy

MAX Cent	1223.5	-9602.7
1532	816.1	-14390.0
1522	816.1	-4815.3
1523	1630.9	-4815.3
1533	1630.9	-14390.0
MIN Cent	-2051.6	-196639.7
1532	-2305.3	-199632.1
1522	-2305.3	-193647.3
1523	-1798.0	-193647.3
1533	-1798.0	-199632.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1536	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	79.61
				1533	5986578.7	5986578.7	0.0	5986578.7	5986578.7	78.80
				1523	5986578.7	5986578.7	0.0	5986578.7	5986578.7	74.63
				1524	5986578.7	5986578.7	0.0	5986578.7	5986578.7	82.87
				1534	5986578.7	5986578.7	0.0	5986578.7	5986578.7	60.67
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	77.91
				1533	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	77.50
				1523	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	70.70
				1524	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	71.82
				1534	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	56.92

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	118708.4	572295.4	17060.2	572936.1	118067.6	87.85
1533	117116.9	577457.0	17636.1	578075.3	116498.6	87.90
1523	125178.6	590122.6	16241.3	590689.2	124612.0	88.00
1524	118660.8	579430.5	16840.7	579922.9	118024.4	88.15
1534	115615.7	582543.0	17482.1	583122.6	115036.1	87.98
MIN Cent	79672.7	384779.6	8553.8	385106.8	79345.5	88.13
1533	74213.7	361381.5	8776.1	361752.5	73842.8	87.94

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1523	77460.1	367282.8	7974.9	367572.6	77170.2	88.19
1524	84358.8	406689.4	7692.3	406967.3	84080.9	88.32
1534	82658.1	403764.6	8655.9	404115.8	82306.8	88.11

NODE Vxx Vyy

MAX Cent 1984.7 34804.8

1533	1630.9	29782.5
1523	1630.9	39827.1
1524	2338.5	39827.1
1534	2338.5	29782.5

MIN Cent -1481.8 -131595.4

1533	-1798.0	-134422.1
1523	-1798.0	-128768.6
1524	-1165.6	-128768.6
1534	-1165.6	-134422.1

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1537 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 17.76

1534	5986578.7	5986578.7	0.0	5986578.7	5986578.7	77.35
1524	5986578.7	5986578.7	0.0	5986578.7	5986578.7	2.28
1020	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-1.76
1028	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-79.04

MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 18.46

1534	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	76.98
1524	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	2.30
1020	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-1.22
1028	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-77.85

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 115137.4 593868.6 17970.0 594385.4 114661.6 88.12

1534	115648.8	582708.4	18160.5	583288.2	115069.0	87.98
1524	119057.8	579982.7	17067.7	580456.7	118406.5	88.18
1020	113878.1	602051.4	17346.8	602486.9	113727.9	88.29
1028	124417.0	610731.8	18439.7	611263.6	124258.2	88.11

MIN Cent 84445.6 411434.5 7803.9 411765.4 84114.7 88.18

1534	82732.3	404135.9	8270.2	404508.8	82359.3	88.05
1524	84449.9	407145.0	7503.3	407428.3	84166.6	88.30
1020	85327.6	417032.8	7032.9	417313.4	85046.9	88.33
1028	85272.4	417424.5	7725.0	417791.1	84905.8	88.10

NODE Vxx Vyy

MAX Cent 2630.5 79210.2

1534	2338.5	73893.1
1524	2338.5	84527.3

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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1020 2922.4 84527.3
1028 2922.4 73893.1
MIN Cent -815.1 -66221.1
1534 -1165.6 -68915.8
1524 -1165.6 -63526.4
1020 -464.7 -63526.4
1028 -464.7 -68915.8

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ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1538	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	57.86
				1028	5986578.7	5986578.7	0.0	5986578.7	5986578.7	60.60
				1020	5986578.7	5986578.7	0.0	5986578.7	5986578.7	0.94
				1525	5986578.7	5986578.7	0.0	5986578.7	5986578.7	66.64
				1535	5986578.7	5986578.7	0.0	5986578.7	5986578.7	79.14
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	48.41
				1028	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	56.82
				1020	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	0.70
				1525	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	61.94
				1535	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	73.49

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	119116.1	597988.4	18288.7	598439.1	118990.3	88.25
1028	124337.0	610829.1	18755.6	611339.5	124198.5	88.15
1020	113974.1	603485.7	17353.9	603883.6	113846.9	88.37
1525	112786.5	582277.2	17357.8	582651.8	112681.8	88.39
1535	125366.6	595361.4	18759.6	595844.3	125252.0	88.18
MIN Cent	83320.2	409055.1	6368.7	409388.3	82987.0	88.17
1028	85326.9	417697.0	6561.6	418070.6	84953.2	88.08
1020	85556.0	418174.8	6591.0	418450.3	85280.5	88.35
1525	80395.7	398451.2	5746.3	398733.1	80113.8	88.30
1535	82002.3	401897.4	5518.2	402278.5	81621.2	88.02

NODE	Vxx	Vyy
MAX Cent	3150.4	123652.2
1028	2922.4	117964.8
1020	2922.4	129339.5
1525	3378.4	129339.5
1535	3378.4	117964.8
MIN Cent	-144.5	-543.1
1028	-464.7	-3147.4
1020	-464.7	2061.3
1525	173.3	2061.3
1535	173.3	-3147.4

AUTOSTRADA VALDASTICO A31 NORD
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ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE				
1539	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	9.90				
				1535	5986578.7	5986578.7	0.0	5986578.7	5986578.7	49.20				
				1525	5986578.7	5986578.7	0.0	5986578.7	5986578.7	9.46				
				1526	5986578.7	5986578.7	0.0	5986578.7	5986578.7	12.46				
				1536	5986578.7	5986578.7	0.0	5986578.7	5986578.7	89.99				
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	9.63				
				1535	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	46.64				
				1525	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	8.47				
				1526	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	11.73				
				1536	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	89.39				
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE				
				MAX Cent	114729.9	562308.4	18091.9	562390.8	114647.6	89.22				
				1535	125269.6	595408.8	18743.2	595854.6	125175.5	88.25				
				1525	113035.0	584583.1	17187.6	584908.7	112954.4	88.50				
				1526	103218.8	532966.1	16945.8	533031.0	103154.0	89.30				
				1536	117396.4	548498.8	18501.4	548576.0	117319.2	89.23				
				MIN Cent	76309.6	374876.9	4272.0	375974.1	75972.3	86.53				
				1535	82031.2	402042.1	4252.0	402415.9	81657.4	88.04				
				1525	80758.2	400263.9	4927.2	400531.8	80490.3	88.34				
				1526	63948.1	315433.4	3890.4	316570.1	62811.4	86.16				
				1536	68484.9	323397.5	3215.2	324733.3	67149.1	85.87				
				NODE	Vxx	Vyy								
				MAX Cent	3546.1	168149.5								
				1535	3378.4	162015.6								
				1525	3378.4	174283.5								
				1526	3713.8	174283.5								
				1536	3713.8	162015.6								
				MIN Cent	429.7	64698.5								
				1535	173.3	62145.4								
				1525	173.3	67197.0								
				1526	594.5	67197.0								
				1536	594.5	62145.4								
				ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1540	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	6.84				
				1536	5986578.7	5986578.7	0.0	5986578.7	5986578.7	74.77				
				1526	5986578.7	5986578.7	0.0	5986578.7	5986578.7	70.21				
				1021	5986578.7	5986578.7	0.0	5986578.7	5986578.7	82.66				
				1029	5986578.7	5986578.7	0.0	5986578.7	5986578.7	7.04				
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	5.77				
				1536	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	72.47				

AUTOSTRADA VALDASTICO A31 NORD
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```

1526 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  64.36
1021 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  81.41
1029 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  8.54
    
```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
    
```

```

MAX Cent 101623.4 498047.8 17419.7 498094.8 101576.3 89.38
1536 117286.0 547946.9 18165.3 548005.1 117227.8 89.33
1526 103622.5 534984.4 16627.8 535027.9 103579.0 89.42
1021 85083.4 446246.0 16152.5 446278.5 85051.0 89.46
1029 100501.5 463013.7 17689.9 463060.0 100455.3 89.35
MIN Cent 52193.2 250983.8 2265.9 252498.7 50678.3 85.03
1536 68303.8 322491.6 2108.0 323783.3 67012.2 85.93
1526 64811.7 319751.3 3035.7 320831.2 63731.7 86.28
1021 33923.5 174839.2 2059.9 176666.9 32095.7 83.54
1029 41734.0 186853.1 1132.2 188978.3 39608.7 83.15
    
```

```

NODE   Vxx   Vyy
    
```

```

MAX Cent 3829.4 212704.8
1536 3713.8 206056.4
1526 3713.8 219353.2
1021 3945.0 219353.2
1029 3945.0 206056.4
MIN Cent 772.2 115999.7
1536 594.5 112274.9
1526 594.5 119724.5
1021 949.9 119724.5
1029 949.9 112274.9
    
```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
    
```

```

1541 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 79.17
1029 5986578.7 5986578.7 0.0 5986578.7 5986578.7 76.95
1021 5986578.7 5986578.7 0.0 5986578.7 5986578.7 10.17
1527 5986578.7 5986578.7 0.0 5986578.7 5986578.7 3.62
1537 5986578.7 5986578.7 0.0 5986578.7 5986578.7 76.04
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 78.28
1029 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 68.96
1021 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 10.50
1527 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 3.81
1537 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 76.00
    
```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
    
```

```

MAX Cent 79753.2 390331.9 16269.6 390351.7 79733.4 89.54
1029 100382.4 462418.0 17025.5 462447.6 100352.8 89.48
1021 85631.1 448984.3 15699.7 449000.9 85614.5 89.61
    
```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1527 58299.0 316137.3 14981.0 316146.1 58290.2 89.66
1537 74700.5 333788.0 16306.8 333808.9 74679.6 89.49
MIN Cent 20939.2 97851.5 414.6 101151.5 17639.2 78.53
1029 41519.0 185778.5 143.4 187760.6 39536.9 83.36
1021 34868.2 179562.7 1258.8 181246.6 33184.4 83.88
1527 -1891.3 4916.2 358.0 16875.3 -13850.4 51.40
1537 9261.0 21148.4 -757.4 32561.0 -2151.6 55.01

```

NODE Vxx Vyy

```

MAX Cent 4017.1 257302.9
1029 3945.0 250096.1
1021 3945.0 264509.8
1527 4089.2 264509.8
1537 4089.2 250096.1
MIN Cent 1134.2 160725.3
1029 949.9 156500.6
1021 949.9 164950.0
1527 1318.6 164950.0
1537 1318.6 156500.6

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1542 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 88.08
1537 5986578.7 5986578.7 0.0 5986578.7 5986578.7 89.33
1527 5986578.7 5986578.7 0.0 5986578.7 5986578.7 14.37
1528 5986578.7 5986578.7 0.0 5986578.7 5986578.7 89.52
1538 5986578.7 5986578.7 0.0 5986578.7 5986578.7 52.00
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 87.80
1537 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 89.47
1527 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 12.76
1528 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 89.67
1538 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 50.55

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 49096.0 238887.7 14583.5 238889.4 49094.3 89.83
1537 74582.5 333197.8 15283.2 333205.7 74574.5 89.68
1527 58957.1 319427.9 14377.2 319429.1 58955.9 89.87
1528 22857.7 142175.8 13376.6 142177.2 22856.3 -89.80
1538 39986.9 160749.1 14282.6 160750.8 39985.2 89.79
MIN Cent -16050.0 -84648.8 -1301.9 -13078.4 -87620.4 11.52
1537 9023.7 19961.9 -1687.5 30725.1 -1739.5 54.84
1527 -929.4 9725.6 -368.2 19730.6 -10934.4 55.17
1528 -43364.3 -194610.5 -1395.4 -42190.3 -195784.4 5.02
1538 -28929.8 -173672.2 -2534.6 -27533.9 -175068.1 5.58

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
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```

-----
MAX Cent  4111.9 301905.4
  1537  4089.2 294153.5
  1527  4089.2 309657.3
  1528  4134.6 309657.3
  1538  4134.6 294153.5
MIN Cent  1494.3 205492.0
  1537  1318.6 200771.3
  1527  1318.6 210212.7
  1528  1670.0 210212.7
  1538  1670.0 200771.3

```

```

ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
1543   3    1 env SL~1 MAX Cent 5986578.7 5986578.7   0.0 5986578.7 5986578.7  87.31
      1538 5986578.7 5986578.7   0.0 5986578.7 5986578.7  13.13
      1528 5986578.7 5986578.7   0.0 5986578.7 5986578.7  84.48
      1529 5986578.7 5986578.7   0.0 5986578.7 5986578.7  87.70
      1539 5986578.7 5986578.7   0.0 5986578.7 5986578.7  29.43
      MIN Cent -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  87.92
      1538 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  12.50
      1528 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  83.44
      1529 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  87.23
      1539 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  31.79

```

```

      NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent  9648.0 43406.8 12232.7 43468.8 9586.0 -87.55
  1538  39890.6 160267.5 12853.0 160270.3 39887.8 -89.73
  1528  23558.3 145678.9 12543.4 145693.1 23544.1 -89.38
  1529 -21173.4 -76132.9 11184.7 -21071.1 -76235.2 -2.47
  1539 -3683.3 -56186.4 11494.3 -3632.8 -56236.9 -1.78
      MIN Cent -58715.0 -296641.8 -2977.9 -58087.7 -297269.1  2.94
  1538 -29161.0 -174827.9 -3471.5 -28035.6 -175953.3  5.00
  1528 -42479.2 -190185.3 -2394.4 -41421.6 -191243.0  4.82
  1529 -90336.5 -424030.7 -3444.1 -89962.0 -424405.2  1.92
  1539 -72883.2 -397523.2 -4323.2 -72476.8 -397929.7  2.03

```

```

      NODE   Vxx   Vyy
-----
MAX Cent  4104.8 361745.6
  1538  4134.6 356739.8
  1528  4134.6 366751.5
  1529  4109.7 366751.5
  1539  4109.7 356739.8
      MIN Cent  1812.3 250256.2
  1538  1670.0 245103.0
  1528  1670.0 255409.3
  1529  1954.7 255409.3

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1539 1954.7 245103.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1544	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	79.86
				1539	5986578.7	5986578.7	0.0	5986578.7	5986578.7	26.25
				1529	5986578.7	5986578.7	0.0	5986578.7	5986578.7	84.26
				1530	5986578.7	5986578.7	0.0	5986578.7	5986578.7	87.80
				1540	5986578.7	5986578.7	0.0	5986578.7	5986578.7	36.06
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	74.18
				1539	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	20.19
				1529	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	82.71
				1530	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	87.56
				1540	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	27.71

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	-37989.5	-194713.5	9000.6	-37847.8	-194745.2	-1.71
1539	-3723.0	-56384.8	9615.1	-3571.1	-56536.7	-3.07
1529	-20544.4	-72987.9	9940.7	-20334.4	-73197.8	-3.61
1530	-71226.4	-327948.0	8103.5	-71204.0	-327970.4	0.54
1540	-54737.1	-305707.8	7777.9	-54644.9	-305734.7	-1.08
MIN Cent	-107030.1	-538234.7	-4794.6	-106842.3	-538422.5	1.20
1539	-73055.2	-398383.1	-5319.9	-72771.3	-398667.1	1.69
1529	-89662.4	-420660.0	-4428.4	-89364.1	-420958.3	1.72
1530	-142679.4	-683607.9	-5576.3	-142558.0	-683729.3	0.86
1540	-122723.2	-650287.6	-6276.6	-122608.6	-650402.3	0.84

NODE Vxx Vyy

MAX Cent	4031.1	429369.1
1539	4109.7	424176.0
1529	4109.7	434562.1
1530	3952.5	434562.1
1540	3952.5	424176.0
MIN Cent	2034.5	294938.5
1539	1954.7	289530.8
1529	1954.7	300346.2
1530	2114.2	300346.2
1540	2114.2	289530.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1545	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	6.72
				1540	5986578.7	5986578.7	0.0	5986578.7	5986578.7	43.03
				1530	5986578.7	5986578.7	0.0	5986578.7	5986578.7	84.71
				1022	5986578.7	5986578.7	0.0	5986578.7	5986578.7	86.85

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1030 5986578.7 5986578.7 0.0 5986578.7 5986578.7 8.81
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 8.59
1540 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 46.02
1530 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 83.55
1022 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 86.19
1030 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 10.75

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -87492.4 -427909.0 4668.9 -87492.1 -427909.2 0.05
1540 -54617.9 -305900.6 5399.0 -54467.5 -305903.8 -1.39
1530 -70902.8 -326329.8 6007.7 -70897.3 -326335.2 0.26
1022 -116525.9 -553482.0 3529.3 -116525.5 -553482.4 -0.06
1030 -103045.3 -525923.6 2920.6 -103044.0 -525924.9 -0.10
MIN Cent -161078.0 -809498.2 -7269.4 -161044.4 -809531.8 0.41
1540 -122753.9 -650440.9 -7418.2 -122698.6 -650496.2 0.59
1530 -142394.5 -682183.4 -6791.2 -142327.7 -682250.3 0.64
1022 -201349.3 -973698.0 -8163.1 -201333.2 -973714.2 0.26
1030 -177814.3 -931670.4 -8623.0 -177802.9 -931681.7 0.22

```

```

NODE Vxx Vyy
-----
MAX Cent 4103.6 496883.7
1540 3952.5 491860.2
1530 3952.5 501907.2
1022 4368.9 501907.2
1030 4368.9 491860.2
MIN Cent 2207.7 339415.5
1540 2114.2 334107.2
1530 2114.2 344723.7
1022 2301.2 344723.7
1030 2301.2 334107.2

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1546 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 6.23
1030 5986578.7 5986578.7 0.0 5986578.7 5986578.7 74.01
1022 5986578.7 5986578.7 0.0 5986578.7 5986578.7 4.32
1023 5986578.7 5986578.7 0.0 5986578.7 5986578.7 86.39
1031 5986578.7 5986578.7 0.0 5986578.7 5986578.7 64.90
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 6.02
1030 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 73.09
1022 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 4.44
1023 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 86.04
1031 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 57.16

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
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```

MAX Cent -134697.0 -666020.5 -1318.4 -134673.6 -666043.9 -0.38
  1030 -102989.1 -525642.2 -1168.5 -102962.2 -525669.0 -0.46
  1022 -116586.3 -553783.7 1687.2 -116579.2 -553790.8 -0.23
  1023 -167559.9 -809607.9 -1625.2 -167536.0 -809631.9 -0.35
  1031 -151652.8 -775048.2 -4480.9 -151603.8 -775097.3 -0.51
MIN Cent -220512.3 -1110465.9 -10578.4 -220510.3 -1110467.9 -0.08
  1030 -177610.1 -930649.5 -10510.5 -177608.3 -930651.3 -0.09
  1022 -201678.9 -975346.0 -9076.5 -201675.3 -975349.7 0.12
  1023 -264477.3 -1294140.1 -10840.6 -264474.8 -1294142.7 -0.09
  1031 -238282.7 -1241728.2 -12141.7 -238262.7 -1241748.2 -0.26

```

NODE Vxx Vyy

```

MAX Cent 4453.1 564005.7
  1030 4368.9 559530.0
  1022 4368.9 568481.4
  1023 4537.2 568481.4
  1031 4537.2 559530.0
MIN Cent 2449.3 383656.4
  1030 2301.2 378947.7
  1022 2301.2 388365.1
  1023 2354.6 388365.1
  1031 2354.6 378947.7

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1547 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 84.91
  1031 5986578.7 5986578.7 0.0 5986578.7 5986578.7 69.44
  1023 5986578.7 5986578.7 0.0 5986578.7 5986578.7 2.77
  1024 5986578.7 5986578.7 0.0 5986578.7 5986578.7 84.27
  1032 5986578.7 5986578.7 0.0 5986578.7 5986578.7 61.07
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 83.68
  1031 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 66.68
  1023 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 2.79
  1024 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 83.44
  1032 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 53.04

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -185975.6 -934070.5 -6369.3 -185921.3 -934124.8 -0.49
  1031 -151428.8 -773928.0 -12475.9 -151126.3 -774230.5 -1.26
  1023 -168221.6 -812916.5 -4693.7 -168187.5 -812950.7 -0.42
  1024 -244637.3 -1101983.7 -7629.4 -244569.4 -1102051.6 -0.51
  1032 -179614.5 -1047453.9 -16660.6 -179294.8 -1047773.7 -1.10
MIN Cent -284397.7 -1441140.8 -10688.0 -284354.1 -1441184.5 -0.35
  1031 -237755.0 -1239089.8 -24801.4 -237599.6 -1239245.2 -0.71
  1023 -265593.9 -1299723.0 -9854.4 -265569.1 -1299747.8 -0.28
  1024 -360653.2 -1650042.2 -12284.8 -360538.1 -1650111.1 -0.56
  1032 -281629.3 -1575708.3 -27575.9 -281409.7 -1575927.9 -0.75

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	14455.9	631348.9
1031	4537.2	626236.4
1023	4537.2	636461.5
1024	26210.5	636461.5
1032	26210.5	626236.4
MIN Cent	9112.4	428219.8
1031	2354.6	423559.3
1023	2354.6	432880.3
1024	15627.2	432880.3
1032	15627.2	423559.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1548	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-0.03
				1033	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-23.01
				1025	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-7.68
				1026	5986578.7	5986578.7	0.0	5986578.7	5986578.7	10.47
				1034	5986578.7	5986578.7	0.0	5986578.7	5986578.7	86.30
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-0.40
				1033	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-23.45
				1025	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-6.28
				1026	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	8.66
				1034	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	86.37

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	58349.6	282388.0	11242.2	282402.8	58334.8	-89.54
1033	43394.7	198287.7	6969.4	198314.6	43367.8	-89.24
1025	47592.4	237895.1	6605.9	237917.4	47570.1	-89.38
1026	79094.6	364985.0	12076.1	364986.6	79093.0	89.86
1034	63316.5	328384.2	12490.7	328386.1	63314.6	89.85
MIN Cent	-99533.1	-504026.2	-1818.2	-99369.6	-504189.7	1.15
1033	-145969.8	-696426.4	-2043.4	-145922.9	-696473.3	0.53
1025	-122020.6	-631574.5	-2058.5	-122019.7	-631575.3	0.07
1026	-62975.5	-328356.7	689.2	-62702.6	-328629.6	1.84
1034	-72923.8	-363409.7	704.3	-72662.2	-363671.2	1.72

NODE	Vxx	Vyy

MAX Cent	-683.5	-195188.2
1033	1075.3	-199396.2
1025	1075.3	-190980.3
1026	-733.7	-190980.3
1034	-733.7	-199396.2
MIN Cent	-3540.7	-480105.6

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1033 -6109.0 -503434.5
 1025 -6109.0 -460345.2
 1026 -2442.4 -460345.2
 1034 -2442.4 -503434.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1549	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-84.79
				1034	5986578.7	5986578.7	0.0	5986578.7	5986578.7	29.77
				1026	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-70.96
				1027	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-13.32
				1035	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-74.34
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-84.42
				1034	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	30.51
				1026	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-69.76
				1027	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-12.53
				1035	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-66.10

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	81215.0	396778.9	18875.9	396831.8	81162.1	89.26
1034	63299.9	328301.3	16863.6	328327.4	63273.8	89.43
1026	79226.8	365645.9	15619.1	365669.3	79203.4	89.48
1027	97204.4	462325.2	18614.4	462393.4	97136.1	89.22
1035	85128.7	430843.4	19858.9	430916.8	85055.4	89.17
MIN Cent	-40848.3	-209989.8	3393.5	-39870.9	-210967.2	4.33
1034	-73032.7	-363954.1	2451.6	-72587.5	-364399.2	2.24
1026	-62656.2	-328333.3	2378.6	-62196.0	-328402.2	2.39
1027	-14954.5	-68774.6	3936.4	-12051.2	-71677.9	12.75
1035	-13489.8	-81685.8	3669.4	-13231.7	-82946.9	3.51

NODE Vxx Vyy

MAX Cent	669.0	-151200.8
1034	-733.7	-155226.8
1026	-733.7	-147174.8
1027	2071.6	-147174.8
1035	2071.6	-155226.8
MIN Cent	-2055.6	-410986.1
1034	-2442.4	-429154.5
1026	-2442.4	-394690.2
1027	-1668.9	-394690.2
1035	-1668.9	-429154.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
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1550	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-2.85
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1035	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-12.97
1027	5986578.7	5986578.7	0.0	5986578.7	5986578.7	11.06
1531	5986578.7	5986578.7	0.0	5986578.7	5986578.7	64.27
1541	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-10.72
MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-2.44
1035	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-13.78
1027	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	11.81
1531	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	59.50
1541	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-10.12

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	98254.4	481999.2	22404.6	482182.4	98071.2	88.75
1035	85147.1	430935.4	21748.6	431090.9	84991.6	88.79
1027	97265.2	462629.1	20251.1	462777.2	97117.1	88.85
1531	110797.5	530446.0	21432.2	530656.2	110587.4	88.72
1541	99807.9	503986.1	22929.8	504203.2	99590.7	88.67
MIN Cent	8665.9	34787.1	5594.9	36372.6	2620.4	76.02
1035	-13648.3	-82478.2	4596.0	-13278.7	-84056.1	4.18
1027	-14570.8	-68438.6	5394.2	-11200.5	-70226.1	13.82
1531	23692.4	148471.9	6412.4	148899.5	21510.6	86.81
1541	30837.8	139852.5	5405.5	140119.9	30570.4	87.17

NODE Vxx Vyy

MAX Cent	3143.2	-106905.3
1035	2071.6	-110864.4
1027	2071.6	-102946.2
1531	4266.6	-102946.2
1541	4266.6	-110864.4
MIN Cent	-1657.1	-341512.1
1035	-1668.9	-355108.0
1027	-1668.9	-329546.7
1531	-1645.3	-329546.7
1541	-1645.3	-355108.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1551	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	87.33
1541	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-1.02				
1531	5986578.7	5986578.7	0.0	5986578.7	5986578.7	22.16				
1532	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-77.29				
1542	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-72.73				
MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	87.51				
1541	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-0.86				
1531	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	17.45				
1532	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-77.40				
1542	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-67.71				

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	109447.1	537917.2	22970.1	538258.6	109105.8	88.38
1541	99837.5	504134.3	23047.5	504443.8	99528.1	88.42
1531	110803.1	530474.1	21782.4	530773.2	110504.0	88.47
1532	118210.0	569044.1	21703.5	569410.4	117843.6	88.37
1542	108937.8	548016.5	22968.6	548391.5	108562.8	88.33
MIN Cent	47920.1	227906.5	6872.1	228178.6	47089.7	87.76
1541	30725.8	139292.5	5991.2	139625.9	30392.3	86.83
1531	24124.3	148698.2	7023.1	149131.9	22072.5	86.52
1532	53288.4	289388.7	7523.2	289727.1	52348.9	87.79
1542	56305.1	276892.9	6430.8	277266.4	55931.5	87.65

NODE	Vxx	Vyy

MAX Cent	5091.3	-62572.7
1541	4266.6	-66504.4
1531	4266.6	-58641.0
1532	5916.0	-58641.0
1542	5916.0	-66504.4
MIN Cent	-1554.2	-271904.7
1541	-1645.3	-281288.3
1531	-1645.3	-264605.4
1532	-1463.1	-264605.4
1542	-1463.1	-281288.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1552	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-76.80
				1542	5986578.7	5986578.7	0.0	5986578.7	5986578.7	35.65
				1532	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-87.18
				1533	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-88.55
				1543	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-41.35
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-76.50
				1542	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	20.94
				1532	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-87.32
				1533	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-88.10
				1543	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-39.20

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	114787.8	564547.7	21489.3	565046.5	114289.1	88.09
1542	108974.7	548200.6	22021.9	548663.6	108511.7	88.14
1532	118175.6	568872.3	21149.0	569326.5	117721.4	88.18
1533	119791.4	578296.7	20272.8	578824.3	119263.8	88.06
1543	112209.7	562821.4	21145.7	563354.9	111676.1	88.03
MIN Cent	66328.9	320125.7	7511.5	320541.1	65913.5	87.69
1542	56314.4	276939.2	6717.5	277392.0	55861.6	87.41

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1532	53583.4	289858.1	7820.6	290263.5	52786.9	87.59
1533	75539.7	361226.1	8060.5	361602.5	75163.4	87.92
1543	71641.5	352479.4	6720.5	352890.9	71230.1	87.81

NODE Vxx Vyy

MAX Cent 6389.2 -18241.9

1542	5916.0	-22093.8
1532	5916.0	-14390.0
1533	6862.4	-14390.0
1543	6862.4	-22093.8

MIN Cent -1379.3 -202769.1

1542	-1463.1	-207662.2
1532	-1463.1	-199632.1
1533	-1295.6	-199632.1
1543	-1295.6	-207662.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1553 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -83.84

1543	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-1.05
1533	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-6.26
1534	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-76.41
1544	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-85.31

MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -84.04

1543	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-2.18
1533	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-7.40
1534	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-73.68
1544	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-85.72

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 114286.9 561913.4 19014.9 562563.7 113636.6 87.82

1543	112248.2	563014.0	19658.8	563619.9	111642.4	87.90
1533	119727.9	577979.2	19115.5	578580.3	119126.8	87.93
1534	115630.9	582546.1	18222.1	583141.7	115035.3	87.96
1544	124922.5	596800.7	18866.6	597513.5	124209.7	87.78

MIN Cent 77967.7 379237.8 7511.8 379677.4 77528.1 87.81

1543	71654.3	352543.3	6697.1	353005.6	71192.0	87.68
1533	75627.3	361664.3	8065.1	362082.8	75208.8	87.81
1534	83455.2	403924.0	8023.6	404332.1	83047.2	87.96
1544	81133.9	398819.7	6482.3	399264.7	80688.9	87.86

NODE Vxx Vyy

MAX Cent 6998.1 26066.0

1543	6862.4	22349.4
1533	6862.4	29782.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1534 7133.8 29782.5
1544 7133.8 22349.4
MIN Cent -1198.2 -136712.1
1543 -1295.6 -139002.0
1533 -1295.6 -134422.1
1534 -1100.9 -134422.1
1544 -1100.9 -139002.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1554 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -79.28
1544 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -88.55
1534 5986578.7 5986578.7 0.0 5986578.7 5986578.7 10.49
1028 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -86.59
1036 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -67.57
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -78.09
1544 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -83.53
1534 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 16.55
1028 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -86.53
1036 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -65.39

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 120593.6 601866.2 18362.7 602430.5 119995.5 88.05
1544 124938.3 596879.8 17989.6 597514.0 124304.0 87.90
1534 115664.0 582711.5 18111.3 583306.5 115069.0 87.96
1028 123020.9 610570.7 18562.7 611142.6 122893.0 88.04
1036 130103.9 623410.2 18441.0 623953.7 130023.4 88.10
MIN Cent 83737.7 409143.3 6410.8 409603.2 83277.8 87.85
1544 81151.1 398905.8 6349.9 399379.5 80677.4 87.79
1534 83529.5 404295.3 7700.7 404726.7 83098.1 87.90
1028 85493.2 417468.7 6117.6 417902.7 85059.1 87.93
1036 84777.0 415903.5 5281.6 416376.1 84304.4 87.84

NODE Vxx Vyy

MAX Cent 7031.7 70353.7
1544 7133.8 66814.3
1534 7133.8 73893.1
1028 6929.6 73893.1
1036 6929.6 66814.3
MIN Cent -991.0 -70492.5
1544 -1100.9 -72069.2
1534 -1100.9 -68915.8
1028 -881.1 -68915.8
1036 -881.1 -72069.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE				
1555	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-79.36				
				1036	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-6.73				
				1028	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-4.42				
				1535	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-80.60				
				1545	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-83.35				
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-78.68				
				1036	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-13.75				
				1028	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-5.07				
				1535	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-79.89				
				1545	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-83.71				
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE				
				MAX Cent	125144.6	605953.0	18871.1	606383.8	125050.6	88.30				
				1036	130105.1	623799.2	18625.0	624275.6	130056.1	88.22				
				1028	122941.0	610668.0	18861.7	611218.5	122830.6	88.08				
				1535	123659.2	595066.3	18929.5	595615.9	123561.6	88.06				
				1545	128857.5	604687.4	18692.8	605120.2	128828.8	88.28				
				MIN Cent	83648.6	409826.4	3040.4	410302.2	83172.8	87.81				
				1036	84798.6	416011.1	3533.3	416492.2	84317.5	87.82				
				1028	85547.7	417741.1	4511.7	418182.0	85106.8	87.92				
				1535	81672.7	401831.5	3070.7	402288.5	81215.7	87.84				
				1545	82575.6	403721.8	2092.4	404217.5	82079.8	87.75				
				NODE	Vxx	Vyy								
				MAX Cent	6651.6	114625.4								
				1036	6929.6	111286.0								
				1028	6929.6	117964.8								
				1535	6373.6	117964.8								
				1545	6373.6	111286.0								
				MIN Cent	-758.9	-4152.3								
				1036	-881.1	-5157.1								
				1028	-881.1	-3147.4								
				1535	-636.8	-3147.4								
				1545	-636.8	-5157.1								
				ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1556	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-86.21				
				1545	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-1.62				
				1535	5986578.7	5986578.7	0.0	5986578.7	5986578.7	86.25				
				1536	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-82.03				
				1546	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-89.46				
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-85.75				
				1545	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-1.30				

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1535 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 85.70
 1536 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -82.53
 1546 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -89.71

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 121498.6 572653.4 18625.9 572724.0 121428.1 89.28
 1545 128899.4 605310.9 18454.2 605690.7 128885.1 88.39
 1535 123562.2 595113.7 18897.2 595625.4 123482.8 88.13
 1536 115489.6 548117.4 18595.3 548188.8 115418.2 89.26
 1546 119462.1 556199.9 18152.3 556262.1 119399.9 89.32
 MIN Cent 77713.5 378493.9 487.5 379643.5 76723.1 86.47
 1545 82600.0 403843.8 805.2 404327.6 82116.2 87.78
 1535 81701.6 401976.1 1847.1 402423.8 81254.0 87.86
 1536 67549.5 323210.4 678.3 324555.9 66204.1 85.86
 1546 67463.2 329143.5 -363.6 330396.7 66210.1 86.05

NODE Vxx Vyy

MAX Cent 6102.8 158880.6
 1545 6373.6 155745.6
 1535 6373.6 162015.6
 1536 5832.0 162015.6
 1546 5832.0 155745.6
 MIN Cent -502.2 61380.2
 1545 -636.8 60309.0
 1535 -636.8 62145.4
 1536 -367.6 62145.4
 1546 -367.6 60309.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1557 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -29.68
 1546 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -2.53
 1536 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -74.58
 1029 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -86.84
 1037 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -82.99
 MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -29.88
 1546 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -3.09
 1536 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -54.72
 1029 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -86.83
 1037 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -82.89

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 108976.5 509566.7 17660.2 509616.7 108926.5 89.36
 1546 119493.2 556355.2 17500.7 556406.7 119441.6 89.38
 1536 115379.3 547565.6 18252.5 547619.6 115325.2 89.36

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1029	98465.5	462606.5	17597.0	462655.3	98416.8	89.34
1037	102568.0	471739.6	16845.2	471785.7	102521.8	89.36
MIN Cent	54198.9	258815.5	-1607.5	260328.5	52685.8	85.10
1546	67448.7	329070.8	-1427.2	330236.2	66283.2	86.19
1536	67368.4	322304.6	-337.0	323604.8	66068.2	85.93
1029	40015.5	186509.4	-1333.5	188593.5	37931.4	83.25
1037	41962.9	197377.1	-2423.7	199182.0	40158.1	83.88

NODE Vxx Vyy

MAX Cent	5592.3	203109.1
1546	5832.0	200161.9
1536	5832.0	206056.4
1029	5352.6	206056.4
1037	5352.6	200161.9
MIN Cent	-216.4	109967.5
1546	-367.6	107660.1
1536	-367.6	112274.9
1029	-65.3	112274.9
1037	-65.3	107660.1

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1558	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-40.87
1037	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-2.39				
1029	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-89.73				
1537	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-84.12				
1547	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-84.57				
MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-33.70				
1037	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-2.63				
1029	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-89.86				
1537	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-83.94				
1547	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-84.48				

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	87609.2	402722.7	16014.2	402754.3	87577.6	89.43
1037	102614.6	471972.7	15804.8	472006.6	102580.8	89.45
1029	98346.4	462010.8	16956.0	462043.6	98313.6	89.46
1537	72538.6	333355.6	15966.4	333384.7	72509.5	89.40
1547	76937.2	343551.7	14815.2	343581.8	76907.1	89.39
MIN Cent	24823.3	109852.4	-3444.1	112768.5	21907.3	79.68
1037	41904.2	197083.5	-3387.5	198676.8	40310.8	84.24
1029	39800.6	185434.8	-2218.1	187382.9	37852.5	83.45
1537	6729.7	20642.2	-3114.5	31101.8	-3730.0	56.77
1547	10858.9	36249.2	-4283.8	43064.4	4043.6	65.30

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

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-----
MAX Cent  5147.6 247287.1
  1037  5352.6 244478.1
  1029  5352.6 250096.1
  1537  4942.6 250096.1
  1547  4942.6 244478.1
MIN Cent  112.9 154307.9
  1037  -65.3 152115.2
  1029  -65.3 156500.6
  1537  291.0 156500.6
  1547  291.0 152115.2

```

```

ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
1559   3    1 env SL~1 MAX Cent 5986578.7 5986578.7   0.0 5986578.7 5986578.7   1.88
      1547 5986578.7 5986578.7   0.0 5986578.7 5986578.7   -7.52
      1537 5986578.7 5986578.7   0.0 5986578.7 5986578.7    0.09
      1538 5986578.7 5986578.7   0.0 5986578.7 5986578.7  -85.22
      1548 5986578.7 5986578.7   0.0 5986578.7 5986578.7  -87.68
MIN Cent -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  -2.84
      1547 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  -4.88
      1537 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  -0.51
      1538 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  -84.09
      1548 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  -87.38

```

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      NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent  57445.5 252151.4 13739.2 252166.3 57430.6 89.50
      1547 76972.5 343728.4 13434.0 343745.3 76955.6 89.54
      1537 72420.6 332765.4 15027.4 332780.5 72405.6 89.56
      1538 37627.7 160277.3 13728.1 160288.9 37616.1 89.44
      1548 42761.3 171834.5 12134.6 171848.5 42747.4 89.41
MIN Cent -10219.9 -68371.3 -5123.8 -7137.2 -71453.9 12.65
      1547 10732.7 35618.5 -5199.1 41486.7 4864.5 66.40
      1537 6492.4 19455.7 -3911.0 29339.7 -3391.6 56.67
      1538 -32344.5 -174355.2 -4746.2 -31029.6 -175670.1 5.47
      1548 -25760.2 -154204.0 -6034.4 -24623.8 -155340.4 5.35

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      NODE   Vxx   Vyy
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-----
MAX Cent  4773.0 291371.1
      1547  4942.6 288588.8
      1537  4942.6 294153.5
      1538  4603.4 294153.5
      1548  4603.4 288588.8
MIN Cent  514.3 198650.3
      1547  291.0 196529.4
      1537  291.0 200771.3
      1538  618.1 200771.3

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1548 618.1 196529.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1560 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -78.30

1548 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -7.37

1538 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -8.19

1539 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -81.72

1549 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -7.71

MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -77.54

1548 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -6.16

1538 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -8.57

1539 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -80.64

1549 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -5.27

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 18541.4 57942.1 10899.9 57942.5 18541.1 89.82

1548 42752.5 171790.2 10609.6 171792.4 42750.4 89.77

1538 37531.4 159795.7 12471.5 159796.9 37530.2 89.82

1539 -6392.3 -56728.2 10891.3 -6387.3 -56733.2 -0.57

1549 274.2 -43089.1 9076.1 277.2 -43092.1 -0.48

MIN Cent -50918.4 -275771.9 -6689.2 -50391.3 -276299.1 2.77

1548 -25982.8 -155317.3 -6900.6 -25136.1 -156164.0 4.61

1538 -32575.6 -175510.9 -5492.9 -31495.6 -176590.9 4.95

1539 -77304.7 -398407.5 -6283.7 -76935.7 -398776.5 1.94

1549 -67810.7 -373852.1 -7691.4 -67551.0 -374111.8 1.67

NODE Vxx Vyy

MAX Cent 4467.6 354175.8

1548 4603.4 351611.8

1538 4603.4 356739.8

1539 4331.7 356739.8

1549 4331.7 351611.8

MIN Cent 747.5 242974.5

1548 618.1 240846.1

1538 618.1 245103.0

1539 877.0 245103.0

1549 877.0 240846.1

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1561 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -83.63

1549 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -70.20

1539 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -82.78

1540 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -83.73

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```

1550 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -8.42
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -82.88
1549 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -66.61
1539 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -79.53
1540 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -82.47
1550 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -12.70

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -28779.9 -177737.1 7563.0 -28759.8 -177746.9 -0.66
1549 190.8 -43506.4 7603.9 228.3 -43543.9 -1.68
1539 -6432.0 -56926.6 9267.0 -6394.1 -56964.5 -1.57
1540 -57519.1 -306524.5 7431.4 -57489.9 -306560.9 -0.61
1550 -49205.9 -284296.8 5808.1 -49189.0 -284337.4 -0.48
MIN Cent -97304.8 -512157.9 -8151.2 -97167.0 -512295.7 1.04
1549 -68160.1 -375599.2 -8468.6 -67992.7 -375766.5 1.34
1539 -77476.7 -399267.4 -7009.1 -77210.0 -399534.1 1.65
1540 -128275.1 -651398.0 -7763.2 -128169.6 -651503.6 0.81
1550 -115307.4 -622366.8 -9222.8 -115251.2 -622423.0 0.60

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```

NODE Vxx Vyy
-----
MAX Cent 4195.7 420690.9
1549 4331.7 417205.7
1539 4331.7 424176.0
1540 4059.7 424176.0
1550 4059.7 417205.7
MIN Cent 1138.2 287244.3
1549 877.0 284957.9
1539 877.0 289530.8
1540 1399.4 289530.8
1550 1399.4 284957.9

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1562 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -13.03
1550 5986578.7 5986578.7 0.0 5986578.7 5986578.7 6.92
1540 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -42.44
1030 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -82.38
1038 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -15.72
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -13.10
1550 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 7.93
1540 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -21.58
1030 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -82.04
1038 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -11.96

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent -80175.0 -404816.6 3802.4 -80173.0 -404818.6 0.14
1550 -49386.5 -284555.7 4418.9 -49348.9 -284568.1 -0.71
1540 -57399.9 -306717.3 5134.1 -57345.9 -306724.4 -0.83
1030 -108402.1 -526995.0 3039.6 -108401.8 -526995.2 -0.05
1038 -95788.0 -500998.6 2268.9 -95788.0 -500998.6 0.01
MIN Cent -149560.3 -777149.3 -9468.6 -149537.3 -777172.3 0.35
1550 -115798.0 -624820.1 -9843.7 -115769.1 -624849.0 0.43
1540 -128305.8 -651551.3 -8597.9 -128255.4 -651601.7 0.56
1030 -185889.4 -933285.4 -9341.9 -185877.1 -933297.8 0.23
1038 -168248.0 -898940.3 -10587.7 -168243.9 -898944.4 0.14

```

NODE Vxx Vyy

```

MAX Cent 4009.8 486987.4
1550 4059.7 482114.6
1540 4059.7 491860.2
1030 3982.3 491860.2
1038 3982.3 482114.6
MIN Cent 1946.7 331386.5
1550 1399.4 328665.8
1540 1399.4 334107.2
1030 2141.2 334107.2
1038 2141.2 328665.8

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1563 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -8.23
1038 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -1.07
1030 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -88.98
1031 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -87.89
1039 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -1.86
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -10.84
1038 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -1.13
1030 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -89.44
1031 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -87.83
1039 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -1.76

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -127083.4 -637616.7 -348.1 -127070.2 -637629.9 -0.29
1038 -95825.8 -501187.9 1945.4 -95821.2 -501192.6 -0.19
1030 -108345.8 -526713.6 -160.8 -108330.0 -526729.5 -0.35
1031 -160649.9 -776847.6 -2623.9 -160616.9 -776880.6 -0.42
1039 -143512.0 -745717.6 -522.1 -143493.9 -745735.8 -0.31
MIN Cent -208008.4 -1070017.8 -10756.6 -208008.3 -1070017.9 -0.02
1038 -168830.5 -901852.5 -10909.6 -168830.1 -901853.0 0.04
1030 -185685.3 -932264.6 -10422.2 -185685.2 -932264.6 -0.01
1031 -251848.6 -1244441.3 -11268.4 -251841.6 -1244448.3 -0.15
1039 -225669.5 -1201512.7 -11755.8 -225665.8 -1201516.4 -0.11

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	4095.6	552767.9
1038	3982.3	546005.8
1030	3982.3	559530.0
1031	5080.4	559530.0
1039	5080.4	546005.8
MIN Cent	2646.1	375247.3
1038	2141.2	371546.9
1030	2141.2	378947.7
1031	2340.7	378947.7
1039	2340.7	371546.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1564	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-69.79
				1039	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-85.45
				1031	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-3.60
				1032	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-84.18
				1040	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-28.95
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-71.15
				1039	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-83.46
				1031	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-3.36
				1032	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-84.62
				1040	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-22.21

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-182851.5	-898814.4	-4731.8	-182816.3	-898849.6	-0.40
1039	-143404.3	-745179.2	4229.6	-143404.3	-745179.2	0.01
1031	-160425.8	-775727.4	-14796.8	-160070.2	-776083.0	-1.38
1032	-242053.1	-1059941.7	-17131.9	-241694.4	-1060300.4	-1.20
1040	-185522.9	-1014409.2	1037.5	-185516.8	-1014415.3	-0.15
MIN Cent	-276333.3	-1389753.6	-8908.1	-276313.2	-1389773.7	-0.24
1039	-226122.2	-1203776.1	-7545.5	-226103.9	-1203794.4	0.25
1031	-251320.9	-1241802.9	-23642.4	-251093.2	-1242030.7	-0.87
1032	-352623.0	-1587478.6	-25446.0	-352133.5	-1587744.6	-1.17
1040	-287409.2	-1525956.8	-9201.4	-287408.3	-1525957.7	0.05

NODE	Vxx	Vyy

MAX Cent	16950.1	616858.7
1039	5080.4	607481.0
1031	5080.4	626236.4
1032	29463.1	626236.4
1040	29463.1	607481.0
MIN Cent	7849.2	417960.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1039 2340.7 412361.2
1031 2340.7 423559.3
1032 11772.3 423559.3
1040 11772.3 412361.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1565	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	81.88
				1041	5986578.7	5986578.7	0.0	5986578.7	5986578.7	12.72
				1033	5986578.7	5986578.7	0.0	5986578.7	5986578.7	89.66
				1034	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-5.13
				1042	5986578.7	5986578.7	0.0	5986578.7	5986578.7	62.38
				MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	80.93
				1041	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	11.23
				1033	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	86.77
				1034	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-5.23
				1042	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	61.28

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
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MAX Cent	48058.8	237860.0	7213.9	237873.1	48045.7	-89.52
1041	29185.8	143069.4	3527.6	143101.2	29154.1	-89.04
1033	39916.6	197592.0	4625.7	197614.7	39893.9	-89.31
1034	71128.3	329946.6	8910.2	329950.6	71124.3	89.77
1042	52004.4	280831.9	7812.1	280836.3	52000.0	89.75
MIN Cent	-104872.2	-550729.9	-1575.3	-104819.4	-550782.7	0.62
1041	-149414.5	-753278.5	-1902.4	-149404.9	-753288.1	0.23
1033	-129589.5	-693150.4	-1892.3	-129571.5	-693168.4	0.32
1034	-65964.6	-362017.9	-118.6	-65852.1	-362130.4	1.12
1042	-74520.3	-394473.1	-411.6	-74442.2	-394551.1	0.89

NODE	Vxx	Vyy
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MAX Cent	-569.8	-204998.5
1041	39.3	-210600.8
1033	39.3	-199396.2
1034	-196.0	-199396.2
1042	-196.0	-210600.8
MIN Cent	-1535.7	-523529.5
1041	-2379.0	-543624.6
1033	-2379.0	-503434.5
1034	-2102.9	-503434.5
1042	-2102.9	-543624.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1566	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-49.50

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1042	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-34.39
1034	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-81.13
1035	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-9.61
1043	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-70.96
MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-39.25
1042	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-37.93
1034	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-77.96
1035	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-10.24
1043	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-67.58

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	72082.8	358346.5	13690.2	358428.8	72000.5	89.03
1042	52046.4	281042.1	8256.0	281095.5	51993.0	89.13
1034	71111.7	329863.7	14496.9	329899.8	71075.6	89.32
1035	90034.3	431824.5	17085.6	431914.3	89944.6	89.07
1043	75138.6	390655.8	10844.7	390768.9	75025.5	88.92
MIN Cent	-42289.5	-233497.8	682.6	-42279.7	-233869.3	0.42
1042	-75054.3	-397143.0	-531.3	-74982.7	-397214.6	0.85
1034	-66073.5	-362562.3	1129.3	-65776.7	-362859.1	1.81
1035	-11619.5	-81311.7	1824.0	-11544.5	-81678.8	1.88
1043	-18806.6	-95487.1	163.4	-18791.9	-95501.8	0.79

NODE Vxx Vyy

MAX Cent	547.9	-160617.5
1042	-196.0	-166008.2
1034	-196.0	-155226.8
1035	1291.9	-155226.8
1043	1291.9	-166008.2
MIN Cent	-1804.5	-443793.9
1042	-2102.9	-458433.3
1034	-2102.9	-429154.5
1035	-1506.2	-429154.5
1043	-1506.2	-458433.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1567	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-0.03
1043	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-70.96				
1035	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-24.38				
1541	5986578.7	5986578.7	0.0	5986578.7	5986578.7	88.12				
1551	5986578.7	5986578.7	0.0	5986578.7	5986578.7	16.85				
MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	0.05				
1043	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-62.34				
1035	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-14.98				
1541	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	88.06				
1551	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	16.95				

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	90171.9	449642.2	17149.7	449878.7	89935.3	88.53
1043	75165.4	390789.9	12399.0	391012.3	74943.0	88.48
1035	90052.7	431916.6	19043.3	432095.7	89873.6	88.69
1541	104168.1	504858.1	20439.2	505102.3	103923.9	88.59
1551	91301.2	471004.1	13794.9	471291.4	91013.8	88.42
MIN Cent	7230.3	23331.9	1828.5	23780.9	6615.4	80.61
1043	-18851.7	-97160.9	725.2	-18811.3	-97708.6	1.31
1035	-11778.0	-82104.1	2536.5	-11641.8	-82736.4	2.52
1541	32321.6	140149.3	3121.2	140315.5	32155.4	87.75
1551	25388.2	127230.3	1309.9	127349.4	25269.1	88.04

NODE	Vxx	Vyy

MAX Cent	1822.2	-116294.4
1043	1291.9	-121724.3
1035	1291.9	-110864.4
1541	2352.5	-110864.4
1551	2352.5	-121724.3
MIN Cent	-1442.2	-365579.0
1043	-1506.2	-376049.9
1035	-1506.2	-355108.0
1541	-1378.3	-355108.0
1551	-1378.3	-376049.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1568	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	22.86
				1551	5986578.7	5986578.7	0.0	5986578.7	5986578.7	28.92
				1541	5986578.7	5986578.7	0.0	5986578.7	5986578.7	79.78
				1542	5986578.7	5986578.7	0.0	5986578.7	5986578.7	88.55
				1552	5986578.7	5986578.7	0.0	5986578.7	5986578.7	34.40
				MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	20.03
				1551	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	34.03
				1541	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	66.25
				1542	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	87.58
				1552	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	36.36

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	102383.9	511773.3	18691.1	512183.9	101973.3	88.19
1551	91342.0	471208.3	15151.0	471610.9	90939.5	88.14
1541	104197.8	505006.4	20603.5	505346.3	103857.8	88.33
1542	112272.5	548683.4	21162.5	549090.4	111865.5	88.25
1552	101723.3	522195.1	15782.8	522662.6	101255.7	88.09
MIN Cent	44366.9	215659.4	2873.3	216113.3	43913.0	87.06
1551	25384.3	127211.1	1960.1	127385.2	25210.2	87.63

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1541	32209.6	139589.2	3515.2	139806.4	31992.4	87.43
1542	58450.4	277321.9	4017.3	277718.5	58053.8	87.56
1552	51808.7	261218.9	2462.1	261612.7	51414.9	87.52

NODE Vxx Vyy

MAX Cent 2817.7 -71918.4

1551	2352.5	-77332.4
1541	2352.5	-66504.4
1542	3283.7	-66504.4
1552	3283.7	-77332.4

MIN Cent -1282.8 -288191.2

1551	-1378.3	-295094.0
1541	-1378.3	-281288.3
1542	-1366.9	-281288.3
1552	-1366.9	-295094.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1569 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -78.63

1552	5986578.7	5986578.7	0.0	5986578.7	5986578.7	5.68
1542	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-10.48
1543	5986578.7	5986578.7	0.0	5986578.7	5986578.7	82.82
1553	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-4.90

MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -77.39

1552	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	6.33
1542	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-11.02
1543	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	82.38
1553	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-5.09

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 108709.8 544695.9 18843.6 545271.8 108133.9 87.92

1552	101776.6	522461.6	17008.5	523035.1	101203.1	87.89
1542	112309.4	548867.6	20245.4	549364.1	111812.9	88.07
1543	114583.1	563296.0	20260.6	563864.0	114015.1	87.96
1553	125305.8	544158.2	17352.0	544800.7	124588.1	87.81

MIN Cent 62950.0 308136.3 3783.7 308594.1 62492.1 87.53

1552	51754.0	260945.5	3186.5	261418.6	51281.0	87.28
1542	58459.6	277368.3	4221.1	277845.7	57982.2	87.33
1543	73156.4	352782.4	4656.7	353214.0	72724.8	87.75
1553	68429.8	341448.9	3622.2	341869.0	68009.7	87.76

NODE Vxx Vyy

MAX Cent 3541.1 -27504.5

1552	3283.7	-32915.2
1542	3283.7	-22093.8

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1543 3798.5 -22093.8
 1553 3798.5 -32915.2
 MIN Cent -1494.9 -211264.5
 1552 -1366.9 -214866.7
 1542 -1366.9 -207662.2
 1543 -1622.9 -207662.2
 1553 -1622.9 -214866.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1570	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	5.59
				1553	5986578.7	5986578.7	0.0	5986578.7	5986578.7	1.88
				1543	5986578.7	5986578.7	0.0	5986578.7	5986578.7	89.61
				1544	5986578.7	5986578.7	0.0	5986578.7	5986578.7	1.98
				1554	5986578.7	5986578.7	0.0	5986578.7	5986578.7	83.85
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	5.52
				1553	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	1.04
				1543	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	89.45
				1544	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	1.95
				1554	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	79.76

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	122837.1	561268.4	18821.5	562032.4	122060.7	87.61
1553	125086.8	544515.4	18266.6	545244.9	124293.3	87.67
1543	114621.6	563488.7	19130.9	564127.5	113982.8	87.84
1544	122569.3	596330.1	19155.2	597063.5	121835.9	87.75
1554	139321.1	601543.5	18722.6	602222.1	138643.2	87.81
MIN Cent	75688.9	371347.8	4599.7	371823.0	75213.7	87.71
1553	68371.5	341157.5	4370.2	341628.1	67900.9	87.62
1543	73169.1	352846.2	4731.1	353328.9	72686.5	87.62
1544	82015.5	398996.0	5099.1	399459.3	81552.1	87.81
1554	79199.6	392391.4	4738.2	392838.4	78752.6	87.84

NODE	Vxx	Vyy
MAX Cent	3863.6	16946.7
1553	3798.5	11543.9
1543	3798.5	22349.4
1544	3928.6	22349.4
1554	3928.6	11543.9
MIN Cent	-1748.7	-139817.4
1553	-1622.9	-140632.8
1543	-1622.9	-139002.0
1544	-1874.5	-139002.0
1554	-1874.5	-140632.8

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1571	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-86.53
				1554	5986578.7	5986578.7	0.0	5986578.7	5986578.7	41.24
				1544	5986578.7	5986578.7	0.0	5986578.7	5986578.7	21.47
				1036	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-10.47
				1044	5986578.7	5986578.7	0.0	5986578.7	5986578.7	63.18
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-86.09
				1554	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	45.00
				1544	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	21.77
				1036	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-9.56
				1044	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	54.40
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	132394.8	613042.3	19125.8	613714.8	131722.3	87.86
				1554	139339.5	601512.9	19425.9	602243.1	138605.6	87.73
				1544	122585.2	596409.1	18334.5	597070.2	121924.1	87.86
				1036	127538.5	622934.7	18715.8	623550.9	126922.3	87.98
				1044	143138.9	631312.3	19829.3	631989.9	142463.9	87.87
				MIN Cent	82576.4	405300.9	5285.9	405792.4	82085.0	87.77
				1554	79140.6	392096.7	5449.8	392573.0	78664.4	87.77
				1544	82032.7	399082.1	5076.3	399573.8	81541.0	87.75
				1036	85030.4	415954.1	5358.2	416443.6	84540.9	87.80
				1044	84102.0	414070.7	5731.7	414540.5	83632.2	87.84
				NODE	Vxx	Vyy				
				MAX Cent	3902.1	61435.2				
				1554	3928.6	56056.1				
				1544	3928.6	66814.3				
				1036	3875.6	66814.3				
				1044	3875.6	56056.1				
				MIN Cent	-1985.9	-73196.7				
				1554	-1874.5	-74324.2				
				1544	-1874.5	-72069.2				
				1036	-2097.3	-72069.2				
				1044	-2097.3	-74324.2				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1572	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	4.47
				1044	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-53.62
				1036	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-43.63
				1545	5986578.7	5986578.7	0.0	5986578.7	5986578.7	29.80
				1555	5986578.7	5986578.7	0.0	5986578.7	5986578.7	79.06
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	3.96
				1044	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-52.18

AUTOSTRADA VALDASTICO A31 NORD
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```

1036 -1282721.3 -1282721.3   -0.0 -1282721.3 -1282721.3  -30.41
1545 -1282721.3 -1282721.3   -0.0 -1282721.3 -1282721.3   29.63
1555 -1282721.3 -1282721.3    0.0 -1282721.3 -1282721.3   79.06
    
```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
    
```

```

MAX Cent 133093.7 618861.4 19470.2 619477.0 132478.1 87.96
1044 143335.1 631959.1 20123.1 632659.2 142633.4 87.84
1036 127616.3 623323.7 18810.9 623874.7 127065.3 88.09
1545 126641.3 604244.9 18781.9 604784.1 126561.6 88.08
1555 138792.1 615917.8 20094.1 616603.3 138106.6 87.83
MIN Cent 83605.7 410002.3 5138.2 410505.4 83102.6 87.75
1044 84046.1 413791.4 6349.3 414271.5 83566.0 87.82
1036 85051.9 416061.7 4110.7 416558.6 84555.0 87.78
1545 82203.2 403647.3 3364.9 404157.4 81693.1 87.72
1555 83121.5 406508.9 6514.4 406997.1 82389.2 87.78
    
```

```

NODE   Vxx   Vyy
    
```

```

MAX Cent 3797.2 105966.5
1044 3875.6 100647.0
1036 3875.6 111286.0
1545 3718.8 111286.0
1555 3718.8 100647.0
MIN Cent -2188.7 -6710.7
1044 -2097.3 -8264.4
1036 -2097.3 -5157.1
1545 -2280.1 -5157.1
1555 -2280.1 -8264.4
    
```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
    
```

```

1573 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 13.78
1555 5986578.7 5986578.7 0.0 5986578.7 5986578.7 87.84
1545 5986578.7 5986578.7 0.0 5986578.7 5986578.7 5.58
1546 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -85.62
1556 5986578.7 5986578.7 0.0 5986578.7 5986578.7 2.97
MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 13.58
1555 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 87.24
1545 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 6.26
1546 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -84.56
1556 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 3.28
    
```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
    
```

```

MAX Cent 125723.5 584160.3 18923.3 584208.1 125675.7 89.42
1555 139013.2 617023.3 19969.0 617703.5 138333.0 87.84
1545 126638.4 604868.4 18435.8 605346.2 126566.6 88.20
    
```


AUTOSTRADA VALDASTICO A31 NORD
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```

1546 118272.4 555961.9 18252.6 556035.5 118198.8 89.26
1556 126343.6 567841.3 19496.6 567934.3 125645.9 89.17
MIN Cent 74979.8 383862.6 3637.8 385017.6 73824.8 86.51
1555 83073.3 406267.7 6663.7 406747.0 82583.5 87.80
1545 82227.6 403769.3 2002.1 404265.7 81731.2 87.75
1546 65785.8 328808.0 1231.0 330027.3 64566.6 86.11
1556 63783.0 339618.1 5892.6 340989.4 62411.7 85.98

```

NODE Vxx Vyy

```

MAX Cent 3632.3 150553.8
1555 3718.8 145362.1
1545 3718.8 155745.6
1546 3545.8 155745.6
1556 3545.8 145362.1
MIN Cent -2354.2 58070.5
1555 -2280.1 55621.1
1545 -2280.1 60309.0
1546 -2428.3 60309.0
1556 -2428.3 55621.1

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1574 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -4.72
1556 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -65.61
1546 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -14.82
1037 5986578.7 5986578.7 0.0 5986578.7 5986578.7 2.51
1045 5986578.7 5986578.7 0.0 5986578.7 5986578.7 82.40
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -4.59
1556 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -65.39
1546 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -12.53
1037 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 2.24
1045 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 81.68

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 111162.4 518325.8 18312.0 518349.3 111138.9 89.56
1556 126622.9 570255.2 18935.4 570336.4 125966.2 89.23
1546 118303.4 556117.2 17814.3 556178.8 118241.9 89.32
1037 101002.5 471426.5 17384.7 471489.5 100939.4 89.25
1045 105403.7 482027.4 18455.3 482098.0 104689.4 89.22
MIN Cent 51712.9 270409.0 2006.6 271793.3 50328.6 85.47
1556 64025.0 340828.3 5527.1 342117.6 62735.7 86.10
1546 65771.3 328735.3 38.8 329845.8 64660.7 86.29
1037 39296.6 196843.8 -820.5 198491.9 37648.5 84.19
1045 37758.9 215228.4 4667.8 217037.3 35950.1 84.26

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

-----
MAX Cent 3452.0 195221.0
 1556 3545.8 190280.2
 1546 3545.8 200161.9
 1037 3358.3 200161.9
 1045 3358.3 190280.2
MIN Cent -2496.9 103855.1
 1556 -2428.3 100050.2
 1546 -2428.3 107660.1
 1037 -2565.6 107660.1
 1045 -2565.6 100050.2

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1575 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -89.70
 1045 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -84.47
 1037 5986578.7 5986578.7 0.0 5986578.7 5986578.7 1.69
 1547 5986578.7 5986578.7 0.0 5986578.7 5986578.7 1.35
 1557 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -85.25
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -88.94
 1045 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -84.59
 1037 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 1.50
 1547 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 1.39
 1557 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -86.70

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 88021.5 411810.2 17061.5 411886.3 88017.3 89.13
 1045 105725.6 484832.3 17964.4 484884.7 105096.5 89.33
 1037 101049.1 471659.6 16660.4 471705.8 101002.9 89.36
 1547 74980.5 343160.3 15793.4 343206.4 74934.5 89.25
 1557 75940.5 354306.7 17097.5 354349.2 75564.1 89.29
MIN Cent 22479.3 127571.3 120.6 129679.1 20371.6 82.02
 1045 38086.0 216864.0 4004.2 218462.7 36487.3 84.62
 1037 39237.8 196550.2 -1965.8 197950.9 37837.1 84.63
 1547 7280.0 35533.4 -2956.1 40959.1 1854.4 68.13
 1557 5313.5 61337.8 3013.9 65383.4 1267.8 75.45

```

```

NODE Vxx Vyy
-----

```

```

-----
MAX Cent 3248.1 240008.7
 1045 3358.3 235539.3
 1037 3358.3 244478.1
 1547 3137.9 244478.1
 1557 3137.9 235539.3
MIN Cent -2652.7 148336.4
 1045 -2565.6 144557.5
 1037 -2565.6 152115.2
 1547 -2739.9 152115.2

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1557 -2739.9 144557.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1576	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	27.88
				1557	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-11.37
				1547	5986578.7	5986578.7	0.0	5986578.7	5986578.7	85.06
				1548	5986578.7	5986578.7	0.0	5986578.7	5986578.7	88.39
				1558	5986578.7	5986578.7	0.0	5986578.7	5986578.7	14.52
				MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	20.45
				1557	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-15.06
				1547	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	84.85
				1548	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	88.88
				1558	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	13.21

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	56326.0	264226.2	14850.2	264280.7	56319.6	89.08
1557	76299.0	357508.4	16042.9	357529.7	76225.7	89.50
1547	75015.9	343337.1	14694.5	343362.0	74991.0	89.45
1548	40434.3	171369.1	13335.0	171390.2	40413.2	89.27
1558	37997.4	186767.8	14758.7	186902.3	37986.8	88.32
MIN Cent	-12727.7	-44749.0	-2088.6	-8949.7	-48527.0	18.00
1557	5749.0	63515.4	2049.5	66751.0	2513.4	77.03
1547	7153.9	34902.7	-4118.3	39236.0	2820.6	69.82
1548	-30079.8	-155067.9	-5256.8	-29295.2	-155852.4	4.52
1558	-33734.0	-122346.4	910.9	-32087.2	-123993.2	7.69

NODE Vxx Vyy

MAX Cent	2998.1	284984.9
1557	3137.9	281381.0
1547	3137.9	288588.8
1548	2858.2	288588.8
1558	2858.2	281381.0
MIN Cent	-2881.0	192880.3
1557	-2739.9	189231.3
1547	-2739.9	196529.4
1548	-3022.0	196529.4
1558	-3022.0	189231.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1577	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	89.62
				1558	5986578.7	5986578.7	0.0	5986578.7	5986578.7	30.00
				1548	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-65.76
				1549	5986578.7	5986578.7	0.0	5986578.7	5986578.7	1.97

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1559 5986578.7 5986578.7 0.0 5986578.7 5986578.7 89.46
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 89.99
1558 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 27.05
1548 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -64.82
1549 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 2.62
1559 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -87.51

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 16098.0 73164.8 11732.0 73186.0 15816.6 88.91
1558 38718.3 188906.4 13159.1 188987.0 38718.2 88.70
1548 40425.4 171324.8 11882.1 171326.7 40423.5 89.78
1549 -2366.2 -43617.2 9985.7 -2353.3 -43630.1 -1.01
1559 -8677.0 -23954.6 11409.5 -8123.1 -24440.0 4.96
MIN Cent -53890.6 -246726.9 -4628.9 -53617.8 -246999.7 2.15
1558 -33170.5 -119528.8 -378.6 -32015.1 -120684.2 6.55
1548 -30302.4 -156181.2 -6436.1 -29815.8 -156667.9 3.55
1549 -72523.3 -374794.6 -7704.1 -72421.5 -374896.4 1.05
1559 -79566.4 -336402.9 -1646.7 -79332.1 -336637.2 1.73

```

```

NODE Vxx Vyy
-----
MAX Cent 2677.3 346623.6
1558 2858.2 342819.5
1548 2858.2 351611.8
1549 2496.3 351611.8
1559 2496.3 342819.5
MIN Cent -3251.6 237537.9
1558 -3022.0 234229.7
1548 -3022.0 240846.1
1549 -3481.2 240846.1
1559 -3481.2 234229.7

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1578 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 0.06
1559 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -88.58
1549 5986578.7 5986578.7 0.0 5986578.7 5986578.7 0.22
1550 5986578.7 5986578.7 0.0 5986578.7 5986578.7 76.12
1560 5986578.7 5986578.7 0.0 5986578.7 5986578.7 40.86
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -0.14
1559 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 89.14
1549 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 0.01
1550 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 73.02
1560 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 33.80

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent -32632.7 -158805.7 7592.7 -32269.9 -158858.8 -3.02
1559 -7892.3 -21392.5 8845.0 -7354.3 -21471.8 -9.85
1549 -2449.7 -44034.5 8472.3 -2346.9 -44137.3 -2.84
1550 -51923.7 -284954.5 6142.0 -51873.3 -284976.6 -0.83
1560 -47568.3 -254473.1 6514.7 -47555.2 -254486.3 0.46
MIN Cent -100935.1 -478676.0 -7410.6 -100924.4 -478686.7 0.31
1559 -78876.1 -332951.4 -3289.0 -78782.2 -333045.3 1.10
1549 -72872.7 -376541.7 -8824.2 -72837.2 -376577.2 0.62
1550 -119693.7 -623244.0 -10137.9 -119692.9 -623244.9 0.07
1560 -132298.0 -581966.7 -4602.8 -132286.8 -581977.9 0.29

```

NODE Vxx Vyy

```

-----
MAX Cent 2266.4 411651.2
1559 2496.3 408688.1
1549 2496.3 417205.7
1550 2036.6 417205.7
1560 2036.6 408688.1
MIN Cent -4022.3 282395.9
1559 -3481.2 279833.9
1549 -3481.2 284957.9
1550 -4716.2 284957.9
1560 -4716.2 279833.9

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
1579 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 89.54
1560 5986578.7 5986578.7 0.0 5986578.7 5986578.7 66.86
1550 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -4.25
1038 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -0.74
1046 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -86.34
MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 89.88
1560 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 61.67
1550 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -4.42
1038 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -1.21
1046 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -86.71

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent -73235.5 -377723.9 2307.2 -73233.9 -377725.6 -0.13
1560 -47575.9 -254510.9 2543.0 -47574.6 -254512.2 -0.14
1550 -52104.3 -285213.3 4778.4 -52003.1 -285216.5 -1.17
1038 -99036.6 -501648.3 1897.3 -99034.5 -501650.4 -0.13
1046 -90110.7 -469523.1 -338.2 -90097.0 -469536.8 -0.34
MIN Cent -153700.6 -741159.1 -10122.1 -153676.1 -741183.6 -0.37
1560 -131541.7 -578185.0 -6479.6 -131536.7 -578190.0 -0.19
1550 -120184.3 -625697.3 -11150.1 -120180.1 -625701.5 -0.17
1038 -171121.0 -899514.9 -12298.1 -171096.7 -899539.2 -0.33
1046 -191955.5 -861239.3 -7670.0 -191928.6 -861266.2 -0.36

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	1819.2	477350.4
1560	2036.6	476303.8
1550	2036.6	482114.6
1038	1601.9	482114.6
1046	1601.9	476303.8
MIN Cent	-5578.7	327585.7
1560	-4716.2	326505.7
1550	-4716.2	328665.8
1038	-6441.3	328665.8
1046	-6441.3	326505.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1580	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-0.00
				1046	5986578.7	5986578.7	0.0	5986578.7	5986578.7	84.70
				1038	5986578.7	5986578.7	0.0	5986578.7	5986578.7	2.63
				1039	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-85.50
				1047	5986578.7	5986578.7	0.0	5986578.7	5986578.7	24.40
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-0.18
				1046	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	83.76
				1038	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	2.68
				1039	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-85.04
				1047	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	24.96

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-118895.1	-609027.7	-4226.7	-118858.6	-609064.2	-0.49
1046	-90293.8	-470438.9	-4328.9	-90238.1	-470494.6	-0.69
1038	-99074.5	-501837.7	1886.1	-99059.4	-501852.7	-0.35
1039	-147960.2	-746607.3	-1380.7	-147931.3	-746636.3	-0.40
1047	-138251.8	-717227.0	-5587.2	-138183.2	-717295.6	-0.62
MIN Cent	-211915.6	-1035208.1	-12315.0	-211812.4	-1035311.2	-0.64
1046	-191350.8	-858215.8	-11160.8	-191228.3	-858338.3	-0.78
1038	-171703.5	-902427.1	-13399.6	-171660.4	-902470.1	-0.44
1039	-227577.1	-1201894.3	-13918.6	-227512.8	-1201958.6	-0.47
1047	-257030.9	-1178295.1	-13748.0	-256891.1	-1178434.9	-0.71

NODE	Vxx	Vyy

MAX Cent	1167.3	544137.6
1046	1601.9	546860.3
1038	1601.9	546005.8
1039	866.5	546005.8
1047	866.5	546860.3
MIN Cent	-7083.8	373289.3

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1046 -6441.3 375031.8
1038 -6441.3 371546.9
1039 -7726.4 371546.9
1047 -7726.4 375031.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1581	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-1.48
				1047	5986578.7	5986578.7	0.0	5986578.7	5986578.7	9.53
				1039	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-89.18
				1040	5986578.7	5986578.7	0.0	5986578.7	5986578.7	7.22
				1048	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-81.63
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-0.18
				1047	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	12.53
				1039	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-89.37
				1040	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	6.49
				1048	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-78.87

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-172616.3	-871134.7	-8882.1	-172503.4	-871247.6	-0.73
1047	-138787.2	-719903.7	4012.7	-138783.3	-719907.6	-0.15
1039	-147852.6	-746068.8	-2422.7	-147642.7	-746278.7	-1.07
1040	-197507.0	-1016806.0	-5620.4	-197318.4	-1016994.7	-0.87
1048	-206318.5	-1001760.2	4073.5	-206309.2	-1001769.5	-0.20
MIN Cent	-276974.0	-1362206.8	-15596.6	-276749.9	-1362430.9	-0.82
1047	-256986.7	-1178074.3	-20654.5	-256871.0	-1178190.1	-0.64
1039	-228029.8	-1204157.7	-25524.2	-227887.9	-1204299.6	-0.69
1040	-294811.8	-1523616.7	-24574.6	-294764.2	-1523743.2	-0.36
1048	-347170.8	-1542978.5	-22838.4	-347067.3	-1543082.0	-0.53

NODE	Vxx	Vyy
MAX Cent	2650.1	611879.6
1047	866.5	621446.3
1039	866.5	607481.0
1040	4660.6	607481.0
1048	4660.6	621446.3
MIN Cent	-11504.0	418325.0
1047	-7726.4	424288.8
1039	-7726.4	412361.2
1040	-15281.5	412361.2
1048	-15281.5	424288.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1582	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-81.40

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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1049 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -83.24
1041 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -82.88
1042 5986578.7 5986578.7 0.0 5986578.7 5986578.7 52.03
1050 5986578.7 5986578.7 0.0 5986578.7 5986578.7 32.18
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -80.52
1049 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -80.94
1041 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -82.22
1042 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 50.92
1050 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 32.14

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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MAX Cent 38404.6 197152.3 -330.2 197154.8 38402.2 -89.77
1049 21786.7 110735.3 -739.5 110754.8 21767.3 -89.15
1041 26804.1 142593.1 -688.6 142607.1 26790.0 -89.37
1042 61105.2 282652.0 1746.9 282665.8 61091.4 89.55
1050 43922.6 252628.8 1708.7 252642.8 43908.6 89.53
MIN Cent -111610.8 -573251.9 -7037.6 -111552.5 -573310.1 -0.64
1049 -140239.6 -743228.2 -5050.3 -140215.8 -743252.0 -0.36
1041 -153072.9 -754010.1 -5121.7 -153047.9 -754035.1 -0.37
1042 -72109.6 -393990.9 -5764.3 -72060.1 -394040.4 -0.71
1050 -81020.9 -401778.1 -5645.3 -80973.6 -401825.5 -0.70

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NODE Vxx Vyy

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MAX Cent 1393.2 -213974.4
1049 5949.6 -217348.1
1041 5949.6 -210600.8
1042 -1685.2 -210600.8
1050 -1685.2 -217348.1
MIN Cent -1962.4 -532382.8
1049 -84.7 -521141.1
1041 -84.7 -543624.6
1042 -4604.1 -543624.6
1050 -4604.1 -521141.1

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

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1583 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -5.04
1050 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -5.03
1042 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -86.49
1043 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -74.06
1051 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -43.05
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -5.11
1050 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -4.44
1042 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -84.12
1043 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -72.63
1051 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -37.61

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	63689.7	323507.5	5143.7	323609.3	63587.9	88.87
1050	43895.0	252491.1	3550.1	252551.5	43834.6	89.03
1042	61147.2	282862.2	3558.0	282919.3	61090.1	89.08
1043	80987.8	391825.6	6160.8	391947.7	80865.8	88.86
1051	68728.6	366851.2	6153.0	366978.1	68601.6	88.82
MIN Cent	-47114.9	-250533.5	-6145.8	-47114.1	-250605.6	-0.12
1050	-81160.2	-402474.4	-8509.7	-81054.4	-402580.2	-1.04
1042	-72643.6	-396660.9	-3590.9	-72630.2	-396674.2	-0.37
1043	-16929.4	-95111.7	-2821.5	-16928.9	-95112.2	0.14
1051	-23261.3	-109276.2	-7740.3	-23260.9	-109557.2	-0.12

NODE	Vxx	Vyy

MAX Cent	-1753.5	-169485.1
1050	-1685.2	-172962.0
1042	-1685.2	-166008.2
1043	-1620.3	-166008.2
1051	-1620.3	-172962.0
MIN Cent	-5647.0	-451705.2
1050	-4604.1	-444977.2
1042	-4604.1	-458433.3
1043	-6689.8	-458433.3
1051	-6689.8	-444977.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1584	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	89.98
				1051	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-9.63
				1043	5986578.7	5986578.7	0.0	5986578.7	5986578.7	89.21
				1551	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-4.08
				1561	5986578.7	5986578.7	0.0	5986578.7	5986578.7	60.69
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	89.99
				1051	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-9.84
				1043	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	89.48
				1551	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-4.12
				1561	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	59.59

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	83101.8	420538.6	9884.0	420827.9	82812.6	88.32
1051	68705.4	366735.1	8687.1	366988.1	68452.4	88.33
1043	81014.6	391959.7	8698.9	392202.9	80771.5	88.40
1551	96418.8	472027.6	10874.5	472342.2	96104.2	88.34
1561	86268.6	451432.2	10862.7	451755.0	85945.7	88.30
MIN Cent	2441.5	12587.2	-3427.1	12753.6	2241.4	82.76
1051	-23249.9	-110231.9	-6098.5	-23241.5	-110366.1	0.58

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1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1043	-16974.4	-96638.9	-1537.4	-16960.8	-96638.9	0.75
1551	27478.4	127648.4	-34.2	127747.8	27379.0	88.20
1561	21469.3	118442.4	-4595.3	118532.4	21405.7	88.26

NODE Vxx Vyy

MAX Cent -1637.4 -125042.6

1051	-1620.3	-128360.8
1043	-1620.3	-121724.3
1551	-1654.6	-121724.3
1561	-1654.6	-128360.8

MIN Cent -7573.5 -372415.0

1051	-6689.8	-368780.2
1043	-6689.8	-376049.9
1551	-8457.2	-376049.9
1561	-8457.2	-368780.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1585 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -10.80

1561	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-85.61
1551	5986578.7	5986578.7	0.0	5986578.7	5986578.7	5.28
1552	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-79.35
1562	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-5.75

MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -11.20

1561	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-85.77
1551	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	5.40
1552	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-70.19
1562	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	30.12

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 96650.4 488291.4 13834.3 488779.5 96162.3 87.98

1561	86232.6	451252.3	12817.6	451701.8	85783.1	87.99
1551	96459.6	472231.9	12799.1	472667.3	96024.2	88.05
1552	105728.9	522996.2	14575.1	523504.7	105220.5	88.00
1562	98180.3	506685.2	14593.6	507205.9	97659.6	87.96

MIN Cent 40181.3 201711.8 270.7 202076.6 39816.5 87.28

1561	21471.8	118364.8	-2311.9	118515.8	21329.3	87.74
1551	27474.6	127629.1	1341.2	127786.0	27317.6	87.73
1552	54032.2	261663.6	2292.2	262004.8	53691.0	87.68
1562	48945.0	252782.8	-484.6	253076.8	48651.0	87.83

NODE Vxx Vyy

MAX Cent -1516.2 -80599.7

1561	-1654.6	-83867.0
1551	-1654.6	-77332.4

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1552 -1322.9 -77332.4
 1562 -1322.9 -83867.0
 MIN Cent -8782.8 -293927.2
 1561 -8457.2 -292760.4
 1551 -8457.2 -295094.0
 1552 -9108.3 -295094.0
 1562 -9108.3 -292760.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1586	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-7.09
				1562	5986578.7	5986578.7	0.0	5986578.7	5986578.7	5.72
				1552	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-85.88
				1553	5986578.7	5986578.7	0.0	5986578.7	5986578.7	0.88
				1563	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-45.00
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-6.69
				1562	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	5.34
				1552	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-86.26
				1553	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	1.20
				1563	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-27.59

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	104322.3	526775.8	16999.1	527458.7	103639.4	87.70
1562	98137.3	506470.2	16197.4	507111.7	97495.8	87.73
1552	105782.2	523262.8	16133.8	523885.3	105159.7	87.79
1553	129389.0	544757.8	17524.4	545461.7	128897.9	87.70
1563	104201.7	532612.2	17588.0	533333.1	103480.9	87.65
MIN Cent	59813.8	297714.6	3685.9	298082.3	59446.1	87.75
1562	48850.2	252308.8	2191.8	252667.4	48491.6	87.60
1552	53977.5	261390.2	3155.4	261806.2	53561.6	87.44
1553	70036.1	341770.2	4054.5	342139.1	69667.1	87.89
1563	66391.3	335389.4	4041.4	335708.5	66072.1	88.03

NODE	Vxx	Vyy
MAX Cent	-1134.6	-36165.3
1562	-1322.9	-39415.5
1552	-1322.9	-32915.2
1553	-946.3	-32915.2
1563	-946.3	-39415.5
MIN Cent	-8976.1	-215922.5
1562	-9108.3	-216978.2
1552	-9108.3	-214866.7
1553	-8843.8	-214866.7
1563	-8843.8	-216978.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1587	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-81.87
				1563	5986578.7	5986578.7	0.0	5986578.7	5986578.7	83.92
				1553	5986578.7	5986578.7	0.0	5986578.7	5986578.7	7.21
				1554	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-3.04
				1564	5986578.7	5986578.7	0.0	5986578.7	5986578.7	88.53
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-81.19
				1563	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	85.22
				1553	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	6.95
				1554	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-2.52
				1564	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-89.94

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	123067.6	553664.2	19411.2	554262.2	122474.3	87.87
1563	104151.4	532360.5	18824.1	533186.4	103325.5	87.49
1553	129169.9	545114.9	18685.4	545914.5	128555.6	87.55
1554	142366.9	602070.8	19702.9	602735.5	141683.7	87.83
1564	121617.7	585664.7	19841.6	586205.3	121077.1	88.05
MIN Cent	73618.9	364402.9	5492.3	364787.0	73234.8	87.92
1563	66285.5	334860.7	5137.7	335221.7	65924.5	87.90
1553	69977.8	341478.7	4875.5	341895.6	69560.9	87.76
1554	80189.4	392589.4	5715.6	392986.1	79792.7	87.96
1564	78022.7	388683.0	5977.8	389027.1	77678.6	88.09

NODE	Vxx	Vyy
MAX Cent	-637.2	8266.4
1563	-946.3	4988.9
1553	-946.3	11543.9
1554	-260.6	11543.9
1564	-260.6	4988.9
MIN Cent	-8263.9	-141885.9
1563	-8843.8	-143138.9
1553	-8843.8	-140632.8
1554	-7684.0	-140632.8
1564	-7684.0	-143138.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1588	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-6.85
				1564	5986578.7	5986578.7	0.0	5986578.7	5986578.7	0.66
				1554	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-89.94
				1044	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-0.01
				1052	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-84.61
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-6.65
				1564	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-0.43

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1554 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -89.21
 1044 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -1.05
 1052 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -84.62

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 133992.0 609949.6 21092.5 610703.0 133238.7 87.72
 1564 121367.8 584414.9 20724.9 585093.0 120689.7 87.81
 1554 142385.3 602040.2 20484.4 602779.4 141614.2 87.71
 1044 144910.4 631602.0 21138.6 632390.8 144057.0 87.70
 1052 131059.6 621741.5 21379.1 622464.7 130336.4 87.80
 MIN Cent 81589.7 401815.1 7124.0 402215.8 81189.0 87.98
 1564 77907.3 388105.8 6855.4 388475.3 77537.8 88.02
 1554 80130.5 392294.7 6458.5 392719.9 79705.2 87.89
 1044 84478.7 414146.0 7196.5 414567.5 84057.2 87.95
 1052 83842.6 412713.8 7593.5 413079.9 83476.5 88.09

NODE Vxx Vyy

MAX Cent 152.5 52700.4
 1564 -260.6 49344.7
 1554 -260.6 56056.1
 1044 565.6 56056.1
 1052 565.6 49344.7
 MIN Cent -6859.9 -75950.3
 1564 -7684.0 -77576.5
 1554 -7684.0 -74324.2
 1044 -6035.7 -74324.2
 1052 -6035.7 -77576.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1589 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -42.60
 1052 5986578.7 5986578.7 0.0 5986578.7 5986578.7 71.89
 1044 5986578.7 5986578.7 0.0 5986578.7 5986578.7 3.76
 1555 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -0.99
 1565 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -77.02
 MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -34.23
 1052 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 67.67
 1044 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 2.64
 1555 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -0.18
 1565 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -75.20

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 136359.7 620520.6 22063.6 621402.6 135477.7 87.56
 1052 130846.5 620675.7 21920.0 621496.3 130025.9 87.66
 1044 145106.6 632248.7 21546.8 633077.4 144202.6 87.64

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1555 138898.3 615939.0 21846.0 616832.2 138005.1 87.52
1565 131482.0 613219.0 22219.1 614098.2 130602.7 87.56
MIN Cent 83721.3 409988.3 8512.6 410403.6 83306.0 87.96
1052 83717.9 412090.5 8339.1 412467.3 83341.1 88.06
1044 84422.8 413866.7 7828.1 414299.6 83989.8 87.93
1555 82879.5 406460.6 8429.4 406904.3 82187.1 87.88
1565 83865.0 407535.4 8940.3 407920.4 83480.0 88.03

```

NODE Vxx Vyy

```

MAX Cent 1034.4 97142.4
1052 565.6 93637.8
1044 565.6 100647.0
1555 1503.2 100647.0
1565 1503.2 93637.8
MIN Cent -5044.1 -10249.4
1052 -6035.7 -12234.5
1044 -6035.7 -8264.4
1555 -4052.5 -8264.4
1565 -4052.5 -12234.5

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1590 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -89.23
1565 5986578.7 5986578.7 0.0 5986578.7 5986578.7 49.03
1555 5986578.7 5986578.7 0.0 5986578.7 5986578.7 4.85
1556 5986578.7 5986578.7 0.0 5986578.7 5986578.7 82.75
1566 5986578.7 5986578.7 0.0 5986578.7 5986578.7 34.20
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 89.18
1565 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 48.36
1555 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 5.73
1556 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 83.05
1566 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 33.97

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 129671.5 589928.5 22343.2 590281.2 128699.6 88.42
1565 131305.9 612338.6 22427.0 613259.5 130384.9 87.50
1555 139119.4 617044.5 21887.9 617930.6 138233.3 87.54
1556 125229.8 567702.8 21838.0 568006.7 124257.2 88.50
1566 123031.1 568925.9 22377.1 569330.9 122026.3 88.28
MIN Cent 75980.8 388263.3 9344.4 389388.4 74390.3 87.87
1565 83730.8 406864.3 9320.6 407245.6 83349.5 88.03
1555 82831.3 406219.3 8870.2 406657.4 82362.5 87.89
1556 62785.7 339418.7 9080.2 341132.0 61072.4 85.51
1566 70177.6 343750.6 9512.4 345568.9 68359.3 85.35

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

-----
MAX Cent 2055.1 141599.6
  1565 1503.2 137837.1
  1555 1503.2 145362.1
  1556 2607.1 145362.1
  1566 2607.1 137837.1
MIN Cent -3121.9 53527.5
  1565 -4052.5 51433.8
  1555 -4052.5 55621.1
  1556 -2191.3 55621.1
  1566 -2191.3 51433.8

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1591 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -76.36
  1566 5986578.7 5986578.7 0.0 5986578.7 5986578.7 62.98
  1556 5986578.7 5986578.7 0.0 5986578.7 5986578.7 5.91
  1045 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -0.86
  1053 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -77.41
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -73.31
  1566 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 56.71
  1556 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 5.47
  1045 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -0.81
  1053 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -63.49

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
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```

MAX Cent 114366.4 526836.3 21945.2 527223.5 113312.8 88.25
  1566 122886.5 568782.8 22258.6 569197.2 121892.5 88.26
  1556 125509.1 570116.8 21519.0 570403.3 124584.6 88.55
  1045 103133.3 481752.6 21120.3 482078.1 102583.7 88.32
  1053 105936.8 486692.9 21859.9 487164.8 104798.0 87.99
MIN Cent 54051.2 280553.8 9511.2 282660.4 51944.6 84.52
  1566 70060.8 343166.8 9624.6 344969.1 68258.6 85.37
  1556 63027.7 340628.8 9098.5 342287.0 61369.5 85.59
  1045 35726.3 214821.9 9044.8 217278.9 33269.4 83.36
  1053 47389.9 223597.7 9570.9 226269.1 44718.5 83.03

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NODE Vxx Vyy
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```

MAX Cent 3282.9 186081.0
  1566 2607.1 181881.9
  1556 2607.1 190280.2
  1045 3958.6 190280.2
  1053 3958.6 181881.9
MIN Cent -1307.6 97770.1
  1566 -2191.3 95490.0
  1556 -2191.3 100050.2
  1045 -424.0 100050.2

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1053 -424.0 95490.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1592	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-3.41
				1053	5986578.7	5986578.7	0.0	5986578.7	5986578.7	32.08
				1045	5986578.7	5986578.7	0.0	5986578.7	5986578.7	2.46
				1557	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-0.17
				1567	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-77.42
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-3.10
				1053	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	31.40
				1045	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	2.03
				1557	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-4.06
				1567	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-74.42

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	90657.7	421886.7	20869.3	422321.8	90222.6	87.93
1053	105811.5	486577.5	21415.6	487037.6	104739.5	88.01
1045	103470.2	484557.4	20440.1	484851.9	103175.7	88.41
1557	73567.8	353898.9	19678.1	354264.4	73202.4	87.93
1567	80661.8	362512.7	20653.6	363091.8	80082.8	87.41
MIN Cent	26142.0	143608.1	9276.7	147205.6	22544.4	80.22
1053	47231.4	222805.1	9511.9	225379.5	44657.0	83.15
1045	36053.4	216457.4	8838.8	218744.4	33766.5	83.62
1557	2164.7	60708.0	8586.4	66707.6	-3834.8	73.04
1567	19118.3	74461.7	9029.7	81319.7	12260.4	71.63

NODE Vxx Vyy

MAX Cent	4816.5	230597.6
1053	3958.6	225655.9
1045	3958.6	235539.3
1557	5674.4	235539.3
1567	5674.4	225655.9
MIN Cent	458.4	141955.1
1053	-424.0	139352.7
1045	-424.0	144557.5
1557	1340.8	144557.5
1567	1340.8	139352.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1593	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-73.40
				1567	5986578.7	5986578.7	0.0	5986578.7	5986578.7	72.09
				1557	5986578.7	5986578.7	0.0	5986578.7	5986578.7	1.48
				1558	5986578.7	5986578.7	0.0	5986578.7	5986578.7	67.60

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1568 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -27.76
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -70.16
1567 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 68.03
1557 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 1.97
1558 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 63.36
1568 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -24.00

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 59571.5 274889.8 19075.9 275438.0 59023.3 87.12
1567 80619.7 362302.3 19868.7 362840.8 80081.2 87.50
1557 74208.2 357100.7 18619.2 357414.4 73894.5 88.09
1558 35213.2 186377.5 17443.7 186867.6 34707.8 86.81
1568 48244.8 196553.3 18693.2 197451.7 47346.5 85.56
MIN Cent -7772.1 -22589.1 8259.2 5283.4 -35644.6 34.39
1567 18901.3 73376.7 8284.7 79853.3 12424.7 71.95
1557 2600.2 62885.6 8174.7 68172.6 -2686.7 74.15
1558 -38185.4 -123236.7 7602.8 -34746.8 -126675.3 11.15
1568 -14404.7 -103382.0 7308.8 -10637.0 -107149.7 11.40

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NODE Vxx Vyy
-----
MAX Cent 6794.4 275161.1
1567 5674.4 268941.2
1557 5674.4 281381.0
1558 7914.5 281381.0
1568 7914.5 268941.2
MIN Cent 2274.0 186068.5
1567 1340.8 182905.8
1557 1340.8 189231.3
1558 2908.3 189231.3
1568 2908.3 182905.8

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1594 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -79.24
1568 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -86.44
1558 5986578.7 5986578.7 0.0 5986578.7 5986578.7 15.82
1559 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -87.72
1569 5986578.7 5986578.7 0.0 5986578.7 5986578.7 14.92
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -78.60
1568 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -82.59
1558 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 17.94
1559 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -88.69
1569 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 3.78

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 19924.8 87640.6 16426.2 88673.9 18668.2 83.24
 1568 48164.1 196149.7 17519.2 196933.8 47379.9 85.85
 1558 35934.1 188516.1 15942.5 188939.1 35537.7 87.05
 1559 -12433.1 -24595.0 14220.9 -10201.8 -28668.2 18.62
 1569 8034.1 -8191.6 15797.6 12117.0 -12330.2 22.89
MIN Cent -47723.5 -218061.2 6025.8 -46153.9 -219630.7 5.46
 1568 -14693.4 -104825.2 6286.5 -11407.9 -108110.7 10.62
 1558 -37621.9 -120419.1 6726.9 -34658.3 -123382.7 10.53
 1559 -85727.5 -337635.1 5368.0 -84927.3 -338435.4 3.22
 1569 -52851.3 -309365.2 4922.9 -51882.1 -310334.4 3.51

```

NODE Vxx Vyy

```

MAX Cent 9395.2 335975.1
 1568 7914.5 329130.6
 1558 7914.5 342819.5
 1559 10875.9 342819.5
 1569 10875.9 329130.6
MIN Cent 3418.8 230086.1
 1568 2908.3 225942.4
 1558 2908.3 234229.7
 1559 3929.3 234229.7
 1569 3929.3 225942.4

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1595 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 7.13
 1569 5986578.7 5986578.7 0.0 5986578.7 5986578.7 32.49
 1559 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -87.23
 1560 5986578.7 5986578.7 0.0 5986578.7 5986578.7 85.44
 1570 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -37.67
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -11.17
 1569 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 32.76
 1559 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -84.70
 1560 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 87.99
 1570 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -28.44

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -26454.4 -138512.5 12551.6 -26387.6 -138782.1 1.32
 1569 7917.0 -9664.9 14089.4 11080.2 -12903.5 20.57
 1559 -11648.4 -22032.9 12119.3 -9832.6 -25769.8 18.56
 1560 -53421.3 -255643.7 9537.8 -53405.2 -255659.8 0.51
 1570 -35448.0 -229885.0 11507.9 -35435.1 -229897.9 0.47
MIN Cent -93753.4 -442833.1 2902.7 -93302.6 -443283.8 2.06
 1569 -53202.6 -311121.8 3526.7 -52435.2 -311889.2 3.12
 1559 -85037.2 -334183.6 3746.2 -84449.1 -334771.7 2.78
 1560 -141008.0 -583708.7 1803.3 -140802.7 -583914.1 1.23
 1570 -95765.6 -542318.3 1583.8 -95469.2 -542614.6 1.48

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	12822.0	399575.6
1569	10875.9	390463.1
1559	10875.9	408688.1
1560	14768.1	408688.1
1570	14768.1	390463.1
MIN Cent	4525.9	273967.3
1569	3929.3	268100.7
1559	3929.3	279833.9
1560	5122.5	279833.9
1570	5122.5	268100.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1596	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-83.84
				1570	5986578.7	5986578.7	0.0	5986578.7	5986578.7	81.13
				1560	5986578.7	5986578.7	0.0	5986578.7	5986578.7	41.85
				1046	5986578.7	5986578.7	0.0	5986578.7	5986578.7	53.21
				1054	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-61.22
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-83.35
				1570	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	78.61
				1560	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	26.21
				1046	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	48.38
				1054	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-54.61

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-65408.5	-347497.7	6568.4	-65398.9	-347507.3	-0.33
1570	-35477.0	-230029.8	9028.4	-35476.3	-230030.4	-0.10
1560	-53428.9	-255681.5	6478.9	-53427.9	-255682.5	-0.12
1046	-97698.1	-471040.6	2343.8	-97667.9	-471070.7	-0.51
1054	-75030.1	-433238.9	4893.4	-75000.4	-433268.6	-0.52
MIN Cent	-145939.8	-696913.0	-1645.9	-145861.5	-696991.3	0.68
1570	-96104.3	-544011.6	-351.0	-95922.4	-544193.5	1.15
1560	-140251.7	-579927.0	-440.6	-140156.2	-580022.4	0.84
1046	-204192.5	-863686.7	-3353.3	-204184.2	-863695.1	0.20
1054	-143210.8	-800026.6	-3263.7	-143174.3	-800063.1	0.43

NODE	Vxx	Vyy

MAX Cent	17022.5	463021.5
1570	14768.1	449739.1
1560	14768.1	476303.8
1046	19276.9	476303.8
1054	19276.9	449739.1
MIN Cent	5579.2	317646.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1570 5122.5 308786.6
1560 5122.5 326505.7
1046 6035.8 326505.7
1054 6035.8 308786.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1597 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -79.62
1054 5986578.7 5986578.7 0.0 5986578.7 5986578.7 3.89
1046 5986578.7 5986578.7 0.0 5986578.7 5986578.7 85.14
1047 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -6.71
1055 5986578.7 5986578.7 0.0 5986578.7 5986578.7 63.10
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -78.39
1054 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 3.16
1046 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 85.60
1047 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -6.50
1055 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 58.51

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -109912.8 -570864.6 -3280.6 -109748.8 -571028.6 -1.08
1054 -74771.7 -431946.7 257.2 -74641.9 -432076.5 -1.09
1046 -97881.2 -471956.3 -40.4 -97779.7 -472057.8 -0.94
1047 -147185.3 -719013.7 -5339.9 -146980.8 -719218.2 -1.08
1055 -119812.9 -660541.6 -6903.9 -119570.0 -660784.5 -1.21
MIN Cent -204154.0 -980240.0 -8696.6 -204138.8 -980255.2 -0.25
1054 -143293.9 -800442.4 -6810.2 -143293.8 -800442.5 0.02
1046 -203587.8 -860663.2 -8483.2 -203579.8 -860671.2 -0.20
1047 -276668.7 -1182222.7 -14752.9 -276569.8 -1182321.5 -0.60
1055 -193065.7 -1077631.9 -11463.1 -193011.8 -1077685.8 -0.45

NODE Vxx Vyy

MAX Cent 22160.5 526168.3
1054 19276.9 505476.4
1046 19276.9 546860.3
1047 25044.1 546860.3
1055 25044.1 505476.4
MIN Cent 6149.8 361110.2
1054 6035.8 347188.7
1046 6035.8 375031.8
1047 6263.7 375031.8
1055 6263.7 347188.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1598 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -88.84

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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1055 5986578.7 5986578.7 0.0 5986578.7 5986578.7 89.59
1047 5986578.7 5986578.7 0.0 5986578.7 5986578.7 12.54
1048 5986578.7 5986578.7 0.0 5986578.7 5986578.7 84.31
1056 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -2.77
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 89.96
1055 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 89.37
1047 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 13.86
1048 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 84.03
1056 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -2.28

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -159470.8 -822142.1 -17636.5 -158813.2 -822799.7 -1.80
1055 -118989.6 -656425.1 -5820.2 -118666.1 -656748.6 -1.41
1047 -147720.7 -721690.4 -5155.8 -147488.8 -721922.3 -1.15
1048 -165930.0 -993682.5 -14891.2 -165488.0 -994124.5 -1.32
1056 -205243.0 -916770.2 -16625.5 -204636.3 -917377.0 -1.67
MIN Cent -268198.2 -1292619.8 -24416.9 -267716.6 -1293101.3 -1.24
1055 -192411.4 -1074360.5 -13190.4 -192296.0 -1074476.0 -0.66
1047 -276624.5 -1182001.9 -28881.5 -276446.2 -1182180.2 -0.80
1048 -315241.7 -1536592.7 -39371.3 -314706.3 -1537128.1 -1.20
1056 -288515.1 -1377524.1 -22965.0 -288031.0 -1378008.1 -1.21

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NODE Vxx Vyy
-----
MAX Cent 11505.8 588264.2
1055 25044.1 555082.0
1047 25044.1 621446.3
1048 7562.1 621446.3
1056 7562.1 555082.0
MIN Cent -7794.2 404322.9
1055 6263.7 384357.0
1047 6263.7 424288.8
1048 -21852.1 424288.8
1056 -21852.1 384357.0

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1599 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 6.70
1057 5986578.7 5986578.7 0.0 5986578.7 5986578.7 24.94
1049 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -61.37
1050 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -6.15
1058 5986578.7 5986578.7 0.0 5986578.7 5986578.7 76.76
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 6.47
1057 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 21.66
1049 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -56.57
1050 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -5.32
1058 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 77.20

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	30709.9	162506.0	-1376.9	162522.5	30693.4	-89.36
1057	13106.5	68669.5	-1340.8	68729.1	13046.9	-88.12
1049	19096.6	110197.3	-1374.5	110234.9	19059.1	-88.84
1050	53653.7	254575.0	1003.5	254580.1	53648.7	89.71
1058	36982.6	216582.2	1032.0	216588.1	36976.6	89.67
MIN Cent	-114133.8	-566876.8	-11051.1	-113986.5	-567024.1	-1.03
1057	-136929.7	-719050.8	-7742.1	-136924.2	-719104.8	-0.18
1049	-158443.5	-746869.0	-7901.0	-158387.2	-746925.3	-0.56
1050	-79231.0	-401420.1	-9144.9	-79091.1	-401560.1	-1.19
1058	-82666.2	-400167.2	-8939.9	-82530.2	-400303.2	-1.19

NODE	Vxx	Vyy

MAX Cent	2601.2	-221831.5
1057	6302.9	-226314.9
1049	6302.9	-217348.1
1050	-742.6	-217348.1
1058	-742.6	-226314.9
MIN Cent	-975.6	-504200.8
1057	537.1	-487260.6
1049	537.1	-521141.1
1050	-2619.9	-521141.1
1058	-2619.9	-487260.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1600	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	83.87
				1058	5986578.7	5986578.7	0.0	5986578.7	5986578.7	3.74
				1050	5986578.7	5986578.7	0.0	5986578.7	5986578.7	84.77
				1051	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-10.50
				1059	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-82.21
				MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	82.77
				1058	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	3.68
				1050	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	84.80
				1051	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-10.39
				1059	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-82.30

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	57104.6	293701.5	4572.3	293789.8	57016.3	88.89
1058	36893.0	216134.7	2642.0	216173.6	36854.1	89.16
1050	53626.2	254437.4	3380.5	254494.3	53569.3	89.04
1051	75019.1	368109.3	5835.2	368225.4	74903.0	88.86
1059	62879.9	336124.5	5096.6	336219.6	62784.9	88.93
MIN Cent	-52371.7	-258277.7	-10745.9	-52096.3	-258553.1	-2.09
1058	-82535.8	-399514.9	-10426.3	-82355.5	-399695.1	-1.37

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1050 -79370.3 -402116.4 -10238.7 -79208.7 -402278.0 -1.28
 1051 -21042.2 -108631.7 -10123.7 -21042.2 -109157.0 -0.04
 1059 -28459.2 -122847.8 -10311.3 -27911.1 -123396.0 -4.35

NODE Vxx Vyy

MAX Cent -609.1 -177230.3

1058 -742.6 -181498.6
 1050 -742.6 -172962.0
 1051 -475.7 -172962.0
 1059 -475.7 -181498.6

MIN Cent -2554.5 -432657.8

1058 -2619.9 -420338.5
 1050 -2619.9 -444977.2
 1051 -3085.4 -444977.2
 1059 -3085.4 -420338.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1601 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -49.84

1059 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -79.64
 1051 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -7.02
 1561 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -76.33
 1571 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -42.80

MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -42.51

1059 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -76.61
 1051 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -5.73
 1561 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -72.70
 1571 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -40.76

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 77822.1 395490.8 8985.0 395744.7 77568.2 88.38

1059 62759.5 335522.2 7386.0 335722.0 62559.6 88.45
 1051 74995.9 367993.2 8288.5 368227.5 74761.6 88.38
 1561 91822.2 452542.9 10367.5 452840.6 91524.5 88.36
 1571 81710.8 425905.0 9465.0 426165.0 81450.8 88.43

MIN Cent -487.8 2819.9 -8905.4 3173.0 -4382.4 72.75

1059 -28357.3 -122338.2 -9295.8 -27946.9 -122748.7 -3.77
 1051 -21030.8 -109587.5 -8816.0 -21022.5 -109936.2 0.58
 1561 23885.4 118920.3 -7477.9 118996.4 23809.3 88.38
 1571 16335.0 108283.6 -7957.6 108342.1 15706.5 88.52

NODE Vxx Vyy

MAX Cent -472.9 -132636.2

1059 -475.7 -136911.5
 1051 -475.7 -128360.8

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1561 -449.7 -128360.8
 1571 -449.7 -136911.5
 MIN Cent -3811.5 -360711.2
 1059 -3085.4 -352642.3
 1051 -3085.4 -368780.2
 1561 -4537.6 -368780.2
 1571 -4537.6 -352642.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1602	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	84.29
				1571	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-0.83
				1561	5986578.7	5986578.7	0.0	5986578.7	5986578.7	88.91
				1562	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-4.25
				1572	5986578.7	5986578.7	0.0	5986578.7	5986578.7	89.81
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	84.05
				1571	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-0.90
				1561	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	88.91
				1562	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-4.28
				1572	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	89.58

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	92735.8	467861.1	12791.8	468296.8	92300.1	88.05
1571	81571.3	425207.1	11235.2	425574.0	81204.3	88.13
1561	91786.2	452363.0	12338.9	452784.8	91364.5	88.04
1562	102604.8	507570.1	14045.6	508056.7	102118.2	88.02
1572	94981.0	486304.1	12941.9	486731.7	94553.5	88.11
MIN Cent	36903.8	191056.9	-5023.6	191272.9	36687.8	87.86
1571	16437.3	107836.3	-6250.4	107936.0	16050.3	88.07
1561	23869.9	118842.7	-5208.2	118974.7	23737.9	87.87
1562	51181.7	253230.1	-3152.4	253451.5	50960.4	88.11
1572	45850.7	242586.3	-4194.6	242744.7	45692.2	88.37

NODE	Vxx	Vyy
MAX Cent	-389.3	-88113.6
1571	-449.7	-92360.1
1561	-449.7	-83867.0
1562	-328.9	-83867.0
1572	-328.9	-92360.1
MIN Cent	-4987.4	-288604.0
1571	-4537.6	-284447.6
1561	-4537.6	-292760.4
1562	-5437.3	-292760.4
1572	-5437.3	-284447.6

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1603	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-40.09
				1572	5986578.7	5986578.7	0.0	5986578.7	5986578.7	76.28
				1562	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-16.87
				1563	5986578.7	5986578.7	0.0	5986578.7	5986578.7	55.10
				1573	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-45.00
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-37.47
				1572	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	68.85
				1562	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-14.93
				1563	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	46.06
				1573	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-45.68

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	101858.6	510872.2	15837.7	511484.5	101246.2	87.79
1572	94824.7	485522.3	14379.6	486050.8	94296.2	87.90
1562	102561.8	507355.1	15650.9	507959.3	101957.6	87.79
1563	109525.7	533290.7	16991.2	533967.8	109383.0	87.72
1573	102453.6	517320.7	15720.0	517915.5	101858.8	87.83
MIN Cent	57124.4	289596.0	-183.2	289821.0	56899.4	88.22
1572	45740.3	242034.2	-1957.2	242233.3	45541.2	88.18
1562	51087.0	252756.2	-459.9	253033.9	50809.2	87.88
1563	68013.7	335713.9	1866.4	335960.0	67767.5	88.26
1573	63656.6	327879.8	369.0	328059.1	63477.2	88.51

NODE	Vxx	Vyy
MAX Cent	-261.1	-43639.7
1572	-328.9	-47864.0
1562	-328.9	-39415.5
1563	-193.4	-39415.5
1573	-193.4	-47864.0
MIN Cent	-5643.4	-216490.6
1572	-5437.3	-216003.0
1562	-5437.3	-216978.2
1563	-5849.5	-216978.2
1573	-5849.5	-216003.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1604	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	7.24
				1573	5986578.7	5986578.7	0.0	5986578.7	5986578.7	72.36
				1563	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-7.43
				1564	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-81.60
				1574	5986578.7	5986578.7	0.0	5986578.7	5986578.7	27.39
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	6.59
				1573	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	65.73

AUTOSTRADA VALDASTICO A31 NORD
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1563 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -6.34
 1564 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -81.19
 1574 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 23.54

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 106794.3 529751.8 18157.4 530042.1 106504.0 88.50
 1573 102284.9 516476.9 16804.3 517157.5 101604.2 87.68
 1563 109208.2 533039.0 18218.3 533817.6 108925.9 87.55
 1564 126437.3 586628.6 19196.0 587013.7 126052.3 88.34
 1574 107461.6 558789.6 17782.0 559043.3 107191.4 88.65
 MIN Cent 71527.4 358814.8 4768.9 359054.2 71288.0 88.35
 1573 63543.6 327314.6 2722.0 327520.8 63337.4 88.40
 1563 67907.9 335185.2 4511.1 335467.7 67625.4 88.14
 1564 79029.3 388884.3 5692.0 389152.8 78760.8 88.31
 1574 75628.8 383875.1 4917.3 384072.8 75431.1 88.55

NODE Vxx Vyy

MAX Cent -115.5 778.8
 1573 -193.4 -3431.2
 1563 -193.4 4988.9
 1564 -37.6 4988.9
 1574 -37.6 -3431.2
 MIN Cent -5794.7 -144810.2
 1573 -5849.5 -147659.9
 1563 -5849.5 -143138.9
 1564 -5739.9 -143138.9
 1574 -5739.9 -147659.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1605 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 0.42
 1574 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -87.28
 1564 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -0.00
 1052 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -78.45
 1060 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -0.65
 MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 1.99
 1574 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -87.37
 1564 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 0.25
 1052 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -75.70
 1060 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 2.97

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 120411.4 592007.0 19751.4 592467.9 119950.5 88.21
 1574 107318.4 557788.5 18512.9 558133.1 107012.5 88.42
 1564 126187.4 585378.8 20056.5 585882.9 125683.3 88.10

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

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1052 134167.3 622363.0 20671.9 622935.7 133594.6 88.04
1060 117288.0 602497.6 19128.3 602900.2 116971.3 88.35
MIN Cent 80103.8 398764.3 6543.6 399015.4 79852.6 88.39
1574 75520.1 383331.6 5780.8 383545.4 75306.2 88.49
1564 78913.9 388307.1 6539.7 388597.0 78624.0 88.25
1052 84234.1 412792.1 7192.5 413078.4 83947.9 88.31
1060 81747.2 410626.3 6433.6 410837.8 81535.7 88.55

```

NODE Vxx Vyy

```

MAX Cent 80.1 45135.3
1574 -37.6 40925.9
1564 -37.6 49344.7
1052 295.8 49344.7
1060 295.8 40925.9
MIN Cent -5532.3 -79251.5
1574 -5739.9 -80926.5
1564 -5739.9 -77576.5
1052 -5324.8 -77576.5
1060 -5324.8 -80926.5

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1606 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -0.45
1060 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -74.95
1052 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -5.91
1565 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -87.81
1575 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -9.96
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -0.58
1060 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -70.71
1052 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -5.65
1565 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -87.42
1575 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -12.10

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 125129.2 609666.4 20615.6 610282.4 124513.3 87.96
1060 117139.8 601325.5 19499.7 601806.1 116799.4 88.20
1052 133954.2 621297.2 21168.7 621958.6 133292.7 87.89
1565 132650.7 613452.7 21417.8 614193.8 131909.6 87.75
1575 118693.8 602590.2 19748.8 603131.9 118404.4 88.09
MIN Cent 82846.6 409495.1 7739.1 409753.4 82588.3 88.39
1060 81649.1 410135.9 6927.3 410353.8 81431.2 88.53
1052 84109.4 412168.8 7906.7 412462.9 83815.4 88.29
1565 83635.4 407489.5 8378.1 407788.6 83336.3 88.26
1575 81992.3 408186.4 7349.4 408406.9 81771.8 88.51

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

-----
MAX Cent  508.3  89416.9
 1060  295.8  85196.0
 1052  295.8  93637.8
 1565  720.8  93637.8
 1575  720.8  85196.0
MIN Cent -4997.7 -14248.5
 1060 -5324.8 -16262.5
 1052 -5324.8 -12234.5
 1565 -4670.7 -12234.5
 1575 -4670.7 -16262.5

```

```

ELEM  MAT  SEC   LC   NODE   Fxx  Fyy  Fxy  Fmax  Fmin  ANGLE
-----
1607   3    1 env SL~1 MAX Cent 5986578.7 5986578.7  0.0 5986578.7 5986578.7  3.74
      1575 5986578.7 5986578.7  0.0 5986578.7 5986578.7  10.72
      1565 5986578.7 5986578.7  0.0 5986578.7 5986578.7  -86.93
      1566 5986578.7 5986578.7  0.0 5986578.7 5986578.7  -75.92
      1576 5986578.7 5986578.7  0.0 5986578.7 5986578.7  -43.85
MIN Cent -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  45.00
      1575 -1282721.3 -1282721.3  0.0 -1282721.3 -1282721.3  27.82
      1565 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  -80.91
      1566 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  -62.07
      1576 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  -48.39

```

```

      NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 121127.8 584962.0 20734.5 585305.5 120388.5  88.44
      1575 118548.8 601388.8 19750.9 601979.2 118288.4  88.00
      1565 132474.6 612572.3 21548.3 613354.3 131692.6  87.69
      1566 122584.8 568975.1 21421.9 569377.5 121702.3  88.28
      1576 112964.2 564499.3 19624.5 564812.0 112822.2  88.49
MIN Cent 79749.4 390220.4 8211.4 391321.5 79047.1  88.34
      1575 81911.3 407781.6 7525.5 407998.7 81694.1  88.52
      1565 83501.2 406818.4 8683.4 407111.6 83207.9  88.28
      1566 69566.3 343628.4 8766.8 345292.7 67901.9  85.56
      1576 74507.6 348955.2 7590.5 350351.3 73111.5  85.93

```

```

      NODE   Vxx   Vyy
-----

```

```

MAX Cent  920.0 133603.7
 1575  720.8 129370.3
 1565  720.8 137837.1
 1566 1119.3 137837.1
 1576 1119.3 129370.3
MIN Cent -4330.4 49361.7
 1575 -4670.7 47262.9
 1565 -4670.7 51433.8
 1566 -3990.1 51433.8

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1576 -3990.1 47262.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1608	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	3.13
				1576	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-20.37
				1566	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-83.73
				1053	5986578.7	5986578.7	0.0	5986578.7	5986578.7	3.42
				1061	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-72.20
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	3.17
				1576	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-15.31
				1566	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-82.42
				1053	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	3.73
				1061	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-70.56

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	109284.6	526752.9	20325.8	527164.2	108873.3	88.20
1576	112864.9	563562.3	19244.1	563893.3	112722.0	88.45
1566	122440.3	568832.1	21215.5	569241.9	121568.7	88.27
1053	104229.5	486548.0	21125.4	487030.7	103746.8	87.97
1061	99145.3	488069.2	18946.1	488455.4	98773.7	88.20
MIN Cent	60633.4	287158.3	8132.9	288924.5	58867.2	84.97
1576	74345.5	348144.8	7520.6	349490.8	72999.6	86.00
1566	69449.5	343044.6	8783.1	344673.7	67820.4	85.60
1053	45752.2	223270.2	8639.9	225642.5	43379.8	83.45
1061	52986.3	234173.5	7377.4	236089.0	51070.9	84.16

NODE Vxx Vyy

MAX Cent	1289.3	177663.9
1576	1119.3	173445.9
1566	1119.3	181881.9
1053	1459.3	181881.9
1061	1459.3	173445.9
MIN Cent	-3658.8	93659.4
1576	-3990.1	91828.8
1566	-3990.1	95490.0
1053	-3327.5	95490.0
1061	-3327.5	91828.8

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1609	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-0.34
				1061	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-79.41
				1053	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-6.76
				1567	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-84.53

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

1577 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -42.19
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -0.33
1061 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -74.99
1053 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -6.38
1567 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -82.30
1577 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -42.61

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 89725.8 426281.2 19516.0 426762.9 89244.1 87.83
1061 98995.9 487322.1 18762.9 487704.5 98704.9 88.20
1053 104206.4 486432.6 20488.4 486895.2 103743.8 88.01
1567 79034.5 362187.3 19832.4 362778.1 78443.7 87.39
1577 76666.2 369182.7 18106.8 369660.8 76188.2 87.69
MIN Cent 35095.3 155097.7 7335.7 157917.8 32275.3 81.38
1061 52849.4 233489.0 7094.3 235255.8 51082.7 84.38
1053 45593.6 222477.5 8209.8 224712.7 43358.4 83.63
1567 16379.1 73913.9 7589.4 79668.3 10624.8 73.22
1577 25559.2 90510.5 6495.9 94703.1 21366.6 76.17

```

```

NODE Vxx Vyy
-----
MAX Cent 1575.8 221544.9
1061 1459.3 217433.9
1053 1459.3 225655.9
1567 1692.4 225655.9
1577 1692.4 217433.9
MIN Cent -3032.5 137734.2
1061 -3327.5 136115.8
1053 -3327.5 139352.7
1567 -2737.5 139352.7
1577 -2737.5 136115.8

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1610 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 3.35
1577 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -73.31
1567 5986578.7 5986578.7 0.0 5986578.7 5986578.7 3.26
1568 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -86.14
1578 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -8.57
MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 3.29
1577 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -66.81
1567 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 2.82
1568 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -85.54
1578 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -6.31

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```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 61642.8 283678.0 17609.4 284280.3 61040.6 87.02
  1577 76574.1 368722.2 17419.6 369165.2 76157.4 87.77
  1567 78992.5 361976.8 18621.9 362507.7 78461.5 87.52
  1568 45647.7 196033.9 17451.5 196913.8 44767.7 85.64
  1578 45356.9 207979.3 16249.3 208674.1 44859.1 86.27
MIN Cent 3831.6 -5816.6 5845.4 15987.4 -17972.4 36.75
  1577 25464.3 90035.9 5887.4 93717.5 21782.7 76.92
  1567 16162.1 72828.8 6724.5 78056.7 10934.3 73.79
  1568 -18409.0 -104182.8 5898.9 -15294.6 -107297.2 10.60
  1578 -7890.9 -81948.4 5061.8 -5152.4 -84686.9 10.69

```

NODE Vxx Vyy

```

MAX Cent 1722.8 265159.1
  1577 1692.4 261377.0
  1567 1692.4 268941.2
  1568 1753.2 268941.2
  1578 1753.2 261377.0
MIN Cent -2505.4 181666.9
  1577 -2737.5 180428.0
  1567 -2737.5 182905.8
  1568 -2273.4 182905.8
  1578 -2273.4 180428.0

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1611 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 0.07
  1578 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -81.29
  1568 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -4.47
  1569 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -84.05
  1579 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -13.36
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 0.62
  1578 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -81.37
  1568 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -4.35
  1569 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -82.84
  1579 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -15.98

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 25046.6 99115.2 14707.8 100355.7 23806.1 82.69
  1578 45338.9 207889.2 15125.9 208487.2 44928.3 86.54
  1568 45566.9 195630.2 15683.4 196352.6 44844.5 86.04
  1569 4202.3 -8800.5 14060.3 8562.0 -11755.1 24.96
  1579 5078.1 4495.5 13502.8 13597.2 -259.0 44.05
MIN Cent -33155.8 -195352.3 3952.1 -32111.5 -196396.7 4.57
  1578 -7923.8 -82112.8 4335.8 -5724.7 -84311.9 9.63
  1568 -18697.6 -105626.0 4732.6 -16175.3 -108148.4 9.53
  1569 -58440.0 -310482.9 3734.6 -57745.1 -311177.8 3.00
  1579 -47561.8 -283187.6 3337.8 -47031.3 -283718.0 2.71

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	1659.0	325757.3
1578	1753.2	322384.0
1568	1753.2	329130.6
1569	1564.9	329130.6
1579	1564.9	322384.0
MIN Cent	-2124.9	225393.9
1578	-2273.4	224845.4
1568	-2273.4	225942.4
1569	-1976.4	225942.4
1579	-1976.4	224845.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1612	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	71.43
				1579	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-56.23
				1569	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-17.18
				1570	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-35.02
				1580	5986578.7	5986578.7	0.0	5986578.7	5986578.7	59.89
				MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	72.71
				1579	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-45.00
				1569	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-15.48
				1570	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-31.35
				1580	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	49.26

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-19820.7	-122566.1	10965.4	-19588.0	-122650.8	2.70
1579	5149.2	4818.4	12042.0	12809.5	797.9	44.41
1569	4085.2	-10273.8	11742.8	7198.6	-12105.9	21.86
1570	-40785.5	-230952.5	9776.8	-40778.6	-230959.4	0.35
1580	-42431.1	-217485.4	10076.0	-42418.1	-217498.3	0.49
MIN Cent	-75902.5	-413114.7	1769.7	-75662.7	-413354.5	1.53
1579	-47516.3	-282960.4	2589.8	-47142.9	-283333.8	2.28
1569	-58791.3	-312239.5	2229.9	-58314.7	-312716.1	2.48
1570	-103651.4	-543895.4	1145.8	-103472.1	-544074.7	1.16
1580	-93650.9	-513363.6	1505.8	-93525.1	-513489.5	0.99

NODE	Vxx	Vyy

MAX Cent	1344.7	388815.5
1579	1564.9	387167.9
1569	1564.9	390463.1
1570	1124.5	390463.1
1580	1124.5	387167.9
MIN Cent	-1906.9	268810.4

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1579 -1976.4 269520.1
1569 -1976.4 268100.7
1570 -1837.4 268100.7
1580 -1837.4 269520.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1613	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	0.02
				1580	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-72.96
				1570	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-0.25
				1054	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-85.07
				1062	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-6.38
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-0.05
				1580	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-72.43
				1570	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	0.03
				1054	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-84.80
				1062	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-6.85

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
------	-----	-----	-----	------	------	-------

MAX Cent	-62466.9	-326695.6	6700.4	-62466.1	-326696.4	-0.10
1580	-42284.7	-216753.3	8452.1	-42279.4	-216758.5	0.31
1570	-40814.5	-231097.3	6960.4	-40811.9	-231099.9	-0.21
1054	-81852.7	-434603.4	4890.3	-81844.8	-434611.3	-0.27
1062	-84915.7	-424328.5	6382.0	-84915.7	-424328.5	-0.00
MIN Cent	-124518.2	-658411.6	-444.4	-124483.0	-658446.8	0.47
1580	-93534.5	-512781.3	955.8	-93462.6	-512853.2	0.75
1570	-103990.1	-545588.7	-701.5	-103911.3	-545667.5	0.77
1054	-153861.4	-802156.7	-1672.7	-153840.5	-802177.6	0.33
1062	-146686.8	-773119.6	-15.4	-146669.7	-773136.7	0.30

NODE	Vxx	Vyy
------	-----	-----

MAX Cent	759.6	451177.9
1580	1124.5	452616.6
1570	1124.5	449739.1
1054	394.8	449739.1
1062	394.8	452616.6
MIN Cent	-1790.9	311751.6
1580	-1837.4	314716.6
1570	-1837.4	308786.6
1054	-1825.8	308786.6
1062	-1825.8	314716.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1614	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-89.69

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1062	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-22.85
1054	5986578.7	5986578.7	0.0	5986578.7	5986578.7	71.75
1055	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-83.84
1063	5986578.7	5986578.7	0.0	5986578.7	5986578.7	20.81
MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-89.86
1062	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-19.21
1054	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	57.56
1055	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-83.05
1063	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	14.51

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
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MAX Cent	-107250.2	-545346.4	3178.2	-107242.9	-545353.6	-0.23
1062	-84820.7	-423853.8	4737.3	-84819.8	-423854.7	-0.10
1054	-81594.3	-433311.2	2204.8	-81555.1	-433350.4	-0.60
1055	-132092.0	-662997.4	554.9	-132059.5	-663029.9	-0.45
1063	-130493.7	-661223.0	3609.3	-130491.8	-661224.9	-0.11
MIN Cent	-179075.2	-929983.6	-1781.9	-179075.1	-929983.7	0.02
1062	-146580.6	-772588.5	-565.3	-146577.3	-772591.7	0.13
1054	-153944.6	-802572.5	-3713.2	-153944.5	-802572.5	-0.01
1055	-213062.2	-1081631.2	-4153.0	-213058.5	-1081634.9	-0.12
1063	-202713.4	-1063142.3	-1065.8	-202713.3	-1063142.4	-0.02

NODE	Vxx	Vyy
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MAX Cent	1157.7	512514.5
1062	394.8	519552.6
1054	394.8	505476.4
1055	1920.6	505476.4
1063	1920.6	519552.6
MIN Cent	-1394.2	354025.4
1062	-1825.8	360862.0
1054	-1825.8	347188.7
1055	-1051.8	347188.7
1063	-1051.8	360862.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
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1615	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	10.80
1063	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-85.30				
1055	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-1.83				
1056	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-88.30				
1064	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-1.86				
MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	10.38				
1063	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-85.65				
1055	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-1.75				
1056	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-88.61				
1064	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-1.70				

AUTOSTRADA VALDASTICO A31 NORD
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NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-156662.8	-790957.9	677.7	-156648.4	-790972.2	-0.27
1063	-130646.2	-661985.5	563.1	-130633.3	-661998.4	-0.28
1055	-131268.7	-658880.9	3007.9	-131267.5	-658882.1	-0.09
1056	-171905.3	-910102.7	3173.8	-171905.3	-910102.7	0.00
1064	-192830.9	-932862.4	729.0	-192826.5	-932866.7	-0.14
MIN Cent	-237995.1	-1225975.3	-3857.9	-237980.1	-1225990.3	-0.22
1063	-202875.9	-1063955.0	-2731.8	-202867.3	-1063963.7	-0.18
1055	-212407.9	-1078359.8	-1147.0	-212407.9	-1078359.8	0.00
1056	-256742.5	-1371169.5	-418.3	-256742.5	-1371169.6	0.01
1064	-279954.2	-1390416.7	-2651.6	-279947.9	-1390423.0	-0.14

NODE	Vxx	Vyy

MAX Cent	-618.2	572480.9
1063	1920.6	589879.7
1055	1920.6	555082.0
1056	-2341.4	555082.0
1064	-2341.4	589879.7
MIN Cent	-3472.5	396488.3
1063	-1051.8	408619.7
1055	-1051.8	384357.0
1056	-5900.2	384357.0
1064	-5900.2	408619.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1616	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	6.52
				1065	5986578.7	5986578.7	0.0	5986578.7	5986578.7	62.73
				1057	5986578.7	5986578.7	0.0	5986578.7	5986578.7	54.61
				1058	5986578.7	5986578.7	0.0	5986578.7	5986578.7	10.95
				1066	5986578.7	5986578.7	0.0	5986578.7	5986578.7	11.91
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	6.16
				1065	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	54.87
				1057	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	48.64
				1058	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	11.18
				1066	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	13.07

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	22442.0	125999.8	-1902.5	126066.6	22375.3	-88.55
1065	6245.9	33353.8	-1591.0	33603.4	5996.3	-84.54
1057	8414.6	67731.1	-1524.5	67838.0	8307.7	-87.57
1058	45393.6	218264.4	-69.3	218264.5	45393.6	-89.98
1066	29714.1	184650.1	-162.0	184650.3	29713.9	-89.94
MIN Cent	-113399.9	-557292.7	-7790.5	-113325.2	-557367.3	-0.74
1065	-137660.3	-708191.4	-5478.4	-137654.6	-708219.1	-0.18

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1057 -153550.5 -722522.1 -5708.2 -153521.0 -722551.6 -0.41
 1058 -81438.7 -399921.7 -5941.0 -81373.1 -399987.3 -0.82
 1066 -82186.6 -398535.4 -5749.9 -82123.9 -398598.1 -0.81

NODE Vxx Vyy

MAX Cent 2439.7 -229054.3

1065 5079.3 -231793.7
 1057 5079.3 -226314.9
 1058 -199.8 -226314.9
 1066 -199.8 -231793.7

MIN Cent -613.6 -479853.6

1065 1065.4 -472446.6
 1057 1065.4 -487260.6
 1058 -2586.4 -487260.6
 1066 -2586.4 -472446.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1617 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 86.48

1066 5986578.7 5986578.7 0.0 5986578.7 5986578.7 12.62
 1058 5986578.7 5986578.7 0.0 5986578.7 5986578.7 57.68
 1059 5986578.7 5986578.7 0.0 5986578.7 5986578.7 72.99
 1067 5986578.7 5986578.7 0.0 5986578.7 5986578.7 64.49

MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 86.60

1066 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 12.81
 1058 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 44.01
 1059 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 35.37
 1067 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 51.83

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 49916.4 262187.8 2819.4 262225.2 49879.0 89.24

1066 29778.3 184971.1 953.4 184976.9 29772.4 89.65
 1058 45304.1 217816.9 1941.2 217838.7 45282.2 89.36
 1059 68031.9 337154.9 4064.1 337216.3 67970.6 89.14
 1067 56551.5 308808.2 3076.2 308845.7 56514.0 89.30

MIN Cent -54693.1 -262349.8 -6966.9 -54566.2 -262476.6 -1.42

1066 -82076.9 -397986.8 -6045.9 -82006.9 -398056.7 -0.85
 1058 -81308.2 -399269.4 -7951.1 -81199.9 -399377.7 -1.06
 1059 -26868.3 -122529.6 -7924.1 -26533.7 -122864.2 -3.38
 1067 -28518.9 -129613.3 -6018.8 -28319.1 -129813.0 -2.54

NODE Vxx Vyy

MAX Cent -118.9 -184415.7

1066 -199.8 -187332.9
 1058 -199.8 -181498.6

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1059 -37.9 -181498.6
 1067 -37.9 -187332.9
 MIN Cent -2132.2 -413864.0
 1066 -2586.4 -407389.5
 1058 -2586.4 -420338.5
 1059 -1678.1 -420338.5
 1067 -1678.1 -407389.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1618	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	82.29
				1067	5986578.7	5986578.7	0.0	5986578.7	5986578.7	48.60
				1059	5986578.7	5986578.7	0.0	5986578.7	5986578.7	54.26
				1571	5986578.7	5986578.7	0.0	5986578.7	5986578.7	76.63
				1581	5986578.7	5986578.7	0.0	5986578.7	5986578.7	31.55
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	79.01
				1067	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	34.94
				1059	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	37.37
				1571	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	75.99
				1581	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	29.49

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	71748.0	368831.4	6597.7	368977.8	71601.6	88.73
1067	56566.3	308882.1	4990.4	308980.8	56467.6	88.87
1059	67911.4	336552.6	6297.1	336700.1	67763.9	88.66
1571	86298.9	426822.6	8090.7	427014.7	86106.7	88.64
1581	76215.6	403068.3	6784.0	403209.0	76074.8	88.81
MIN Cent	-4883.9	-10902.8	-6156.2	-2722.1	-13064.7	-27.21
1067	-28330.7	-128672.6	-5452.9	-28178.0	-128825.3	-2.23
1059	-26766.3	-122020.0	-7229.6	-26510.8	-122275.5	-2.96
1571	19889.3	108634.3	-6479.3	108664.6	19693.5	88.93
1581	15384.4	96734.4	-4702.6	96859.8	15130.1	-87.75

NODE	Vxx	Vyy
MAX Cent	-101.5	-139807.9
1067	-37.9	-142704.3
1059	-37.9	-136911.5
1571	-107.9	-136911.5
1581	-107.9	-142704.3
MIN Cent	-1608.9	-347559.5
1067	-1678.1	-342476.7
1059	-1678.1	-352642.3
1571	-1539.8	-352642.3
1581	-1539.8	-342476.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1619	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	83.96
				1581	5986578.7	5986578.7	0.0	5986578.7	5986578.7	49.03
				1571	5986578.7	5986578.7	0.0	5986578.7	5986578.7	69.96
				1572	5986578.7	5986578.7	0.0	5986578.7	5986578.7	52.62
				1582	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-4.85
				MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	83.21
				1581	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	39.04
				1571	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	66.61
				1572	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	45.41
				1582	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-4.33
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	87803.4	445974.2	9882.0	446246.6	87530.9	88.42
				1581	76186.4	402922.2	8281.3	403132.0	75976.6	88.55
				1571	86159.3	426124.7	9834.4	426409.0	85875.0	88.34
				1572	98625.5	487033.0	11308.7	487362.0	98296.6	88.33
				1582	90242.2	467816.7	9755.6	468068.6	89990.3	88.52
				MIN Cent	33236.5	180222.3	-3964.4	180319.8	33139.0	88.53
				1581	15640.7	97769.5	-3880.7	97841.4	15469.4	-88.30
				1571	19928.9	108187.0	-5035.4	108246.8	19831.7	88.49
				1572	47565.4	242929.2	-3797.4	243033.7	47461.0	88.68
				1582	42393.1	233197.7	-2642.8	233270.3	42320.5	88.88
				NODE	Vxx	Vyy				
				MAX Cent	-90.3	-95260.1				
				1581	-107.9	-98160.0				
				1571	-107.9	-92360.1				
				1572	-72.8	-92360.1				
				1582	-72.8	-98160.0				
				MIN Cent	-1666.9	-281080.2				
				1581	-1539.8	-277712.8				
				1571	-1539.8	-284447.6				
				1572	-1809.6	-284447.6				
				1582	-1809.6	-277712.8				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1620	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	83.85
				1582	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-49.38
				1572	5986578.7	5986578.7	0.0	5986578.7	5986578.7	72.18
				1573	5986578.7	5986578.7	0.0	5986578.7	5986578.7	1.65
				1583	5986578.7	5986578.7	0.0	5986578.7	5986578.7	89.39
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	83.69
				1582	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-22.97

AUTOSTRADA VALDASTICO A31 NORD
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1572 -1282721.3 -1282721.3	0.0 -1282721.3 -1282721.3	71.43
1573 -1282721.3 -1282721.3	-0.0 -1282721.3 -1282721.3	1.75
1583 -1282721.3 -1282721.3	0.0 -1282721.3 -1282721.3	84.36

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
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MAX Cent	98068.3	493690.5	12513.9	494086.0	97672.8	88.19
1582	90178.4	467497.4	10986.7	467817.0	89858.7	88.33
1572	98469.2	486251.2	12726.2	486668.4	98052.0	88.12
1573	105208.6	517871.7	13885.5	518338.4	104741.9	88.07
1583	98416.9	503141.9	12145.9	503506.1	98052.7	88.28
MIN Cent	53772.8	281104.1	-1042.7	281216.4	53660.5	88.73
1582	42435.0	233407.3	-1565.1	233505.7	42336.6	88.70
1572	47455.0	242377.2	-1838.5	242514.9	47317.3	88.48
1573	64925.1	328133.4	-359.8	328258.6	64799.9	88.75
1583	60276.0	320498.7	-86.4	320590.8	60183.9	88.92

NODE	Vxx	Vyy
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MAX Cent	-53.5	-50808.2
1582	-72.8	-53752.5
1572	-72.8	-47864.0
1573	-34.3	-47864.0
1583	-34.3	-53752.5
MIN Cent	-1898.0	-214521.4
1582	-1809.6	-213039.8
1572	-1809.6	-216003.0
1573	-1986.4	-216003.0
1583	-1986.4	-213039.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
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1621	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	73.40
1583					5986578.7	5986578.7	0.0	5986578.7	5986578.7	83.25
1573					5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-80.29
1574					5986578.7	5986578.7	0.0	5986578.7	5986578.7	12.99
1584					5986578.7	5986578.7	0.0	5986578.7	5986578.7	83.84
MIN Cent					-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	72.88
1583					-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	82.68
1573					-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-81.06
1574					-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	12.95
1584					-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	83.26

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
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MAX Cent	102527.9	512066.9	14518.7	512580.9	102013.8	87.97
1583	98325.9	502687.0	13106.4	503111.3	97901.5	88.15
1573	105039.9	517027.9	14945.8	517569.3	104498.4	87.93

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1574 109681.6 559631.9 15789.5 559792.5 109521.0 88.92
1584 104324.4 540023.6 13950.1 540147.2 104288.1 89.04
MIN Cent 68464.7 352710.0 2124.1 352837.6 68337.1 88.79
1583 60305.7 320647.1 1091.8 320758.5 60194.3 88.82
1573 64812.0 327568.3 1723.0 327716.1 64664.3 88.64
1574 76436.7 384036.7 3202.1 384179.8 76293.6 88.76
1584 72304.2 378588.0 2570.9 378697.5 72194.8 88.92

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NODE Vxx Vyy
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MAX Cent -14.5 -6452.3
1583 -34.3 -9473.3
1573 -34.3 -3431.2
1574 5.4 -3431.2
1584 5.4 -9473.3
MIN Cent -2002.8 -148057.9
1583 -1986.4 -148455.9
1573 -1986.4 -147659.9
1574 -2019.2 -147659.9
1584 -2019.2 -148455.9

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
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1622 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 82.65
1584 5986578.7 5986578.7 0.0 5986578.7 5986578.7 51.57
1574 5986578.7 5986578.7 0.0 5986578.7 5986578.7 28.79
1060 5986578.7 5986578.7 0.0 5986578.7 5986578.7 84.57
1068 5986578.7 5986578.7 0.0 5986578.7 5986578.7 8.04
MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 81.49
1584 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 43.20
1574 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 20.50
1060 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 84.47
1068 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 8.16

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 111493.3 572417.0 15889.4 572627.4 111285.9 88.78
1584 104349.3 540116.1 14631.0 540277.5 104304.6 88.90
1574 109481.3 558630.8 16499.0 558859.5 109252.6 88.71
1060 119101.1 603113.6 17024.5 603376.4 118838.4 88.67
1068 115657.8 587807.4 15156.4 587999.2 115609.6 88.85
MIN Cent 77299.6 395078.0 4799.7 395218.6 77159.0 88.80
1584 72316.4 378648.9 3656.6 378772.2 72193.0 88.85
1574 76328.0 383493.2 4970.8 383650.4 76170.8 88.70
1060 82088.9 410694.6 5406.4 410852.3 81931.2 88.75
1068 78464.9 407475.4 4600.3 407599.7 78340.6 88.89

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```

NODE Vxx Vyy

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

-----
MAX Cent  22.0  37817.6
  1584   5.4  34709.3
  1574   5.4  40925.9
  1060  38.7  40925.9
  1068  38.7  34709.3
MIN Cent -2011.1 -82409.6
  1584 -2019.2 -83895.4
  1574 -2019.2 -80926.5
  1060 -2003.1 -80926.5
  1068 -2003.1 -83895.4

```

```

ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
1623   3    1 env SL~1 MAX Cent 5986578.7 5986578.7   0.0 5986578.7 5986578.7 -0.13
      1068 5986578.7 5986578.7   0.0 5986578.7 5986578.7  57.37
      1060 5986578.7 5986578.7   0.0 5986578.7 5986578.7  11.31
      1575 5986578.7 5986578.7   0.0 5986578.7 5986578.7  17.09
      1585 5986578.7 5986578.7  -0.0 5986578.7 5986578.7 -69.98
MIN Cent -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  0.23
      1068 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  54.40
      1060 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3   9.87
      1575 -1282721.3 -1282721.3   0.0 -1282721.3 -1282721.3  12.97
      1585 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3 -66.70

```

```

      NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent 117460.1 596284.0 16621.1 596577.4 117391.7  88.59
      1068 115644.6 587530.9 15546.7 587757.9 115589.7  88.75
      1060 118866.7 601941.4 17383.5 602263.7 118544.5  88.52
      1575 119862.6 602937.7 17588.7 603303.0 119708.8  88.43
      1585 118532.3 592726.0 15751.8 592987.8 118472.7  88.66
MIN Cent  80266.1 408242.0  5549.8 408392.8  80115.2  88.77
      1068  78457.0 407435.7  4937.2 407568.8  78324.0  88.85
      1060  81990.8 410204.2  5867.9 410368.2  81826.9  88.72
      1575  81864.7 408160.9  6123.1 408330.0  81695.7  88.70
      1585  78751.7 407167.2  5189.7 407304.2  78614.6  88.83

```

```

      NODE   Vxx   Vyy
-----
MAX Cent  51.0  82011.4
      1068  38.7  78826.8
      1060  38.7  85196.0
      1575  63.4  85196.0
      1585  63.4  78826.8
MIN Cent -1962.0 -17335.3
      1068 -2003.1 -19427.8
      1060 -2003.1 -16262.5
      1575 -1921.0 -16262.5

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1585 -1921.0 -19427.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1624	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	77.44
				1585	5986578.7	5986578.7	0.0	5986578.7	5986578.7	10.48
				1575	5986578.7	5986578.7	0.0	5986578.7	5986578.7	78.08
				1576	5986578.7	5986578.7	0.0	5986578.7	5986578.7	81.36
				1586	5986578.7	5986578.7	0.0	5986578.7	5986578.7	25.38
				MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	75.96
				1585	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	13.41
				1575	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	76.95
				1576	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	80.39
				1586	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	26.55

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	115870.5	577225.4	16713.0	577499.1	115790.3	88.38
1585	118479.6	592129.1	15849.0	592418.9	118415.1	88.59
1575	119647.9	601736.3	17595.9	602142.6	119476.7	88.34
1576	113784.9	564678.9	17482.3	564882.3	113581.6	88.78
1586	112934.3	558564.8	15735.5	558695.7	112863.1	89.02
MIN Cent	77352.4	391891.6	5876.0	392391.9	77193.4	88.71
1585	78722.5	407021.3	5374.9	407161.9	78582.0	88.81
1575	81783.8	407756.0	6286.3	407923.5	81616.3	88.70
1576	73624.2	348778.5	6357.4	349884.8	72517.9	86.38
1586	72358.5	352061.6	5450.4	352944.0	71476.0	86.79

NODE Vxx Vyy

MAX Cent	72.5	126137.8
1585	63.4	122905.2
1575	63.4	129370.3
1576	81.5	129370.3
1586	81.5	122905.2
MIN Cent	-1865.0	46011.7
1585	-1921.0	44405.4
1575	-1921.0	47262.9
1576	-1808.9	47262.9
1586	-1808.9	44405.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1625	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	3.28
				1586	5986578.7	5986578.7	0.0	5986578.7	5986578.7	23.58
				1576	5986578.7	5986578.7	0.0	5986578.7	5986578.7	84.01
				1061	5986578.7	5986578.7	0.0	5986578.7	5986578.7	8.04

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1069 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -79.39
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 3.40
1586 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 19.15
1576 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 83.42
1061 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 9.36
1069 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -80.62

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 105789.7 523863.1 16174.2 524065.0 105697.3 88.74
1586 112842.9 557748.3 15547.7 557894.1 112769.0 88.97
1576 113597.5 563741.9 17135.5 563962.5 113376.9 88.73
1061 99092.2 488058.6 16711.0 488327.1 98823.7 88.50
1069 98847.7 485903.5 15123.2 486082.0 98763.1 88.77
MIN Cent 61977.5 293610.6 5903.0 294734.6 60853.5 86.02
1586 72194.9 351243.7 5522.4 352107.3 71331.3 86.82
1576 73462.2 347968.2 6320.5 349033.7 72396.6 86.44
1061 51158.9 233808.1 6260.2 235324.4 49642.5 84.82
1069 51094.0 241422.6 5462.1 242616.8 49899.8 85.49

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```

NODE Vxx Vyy
-----
MAX Cent 91.2 170205.8
1586 81.5 166965.7
1576 81.5 173445.9
1061 100.8 173445.9
1069 100.8 166965.7
MIN Cent -1725.6 90311.1
1586 -1808.9 88793.4
1576 -1808.9 91828.8
1061 -1642.2 91828.8
1069 -1642.2 88793.4

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1626 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 24.87
1069 5986578.7 5986578.7 0.0 5986578.7 5986578.7 24.47
1061 5986578.7 5986578.7 0.0 5986578.7 5986578.7 74.64
1577 5986578.7 5986578.7 0.0 5986578.7 5986578.7 84.73
1587 5986578.7 5986578.7 0.0 5986578.7 5986578.7 19.60
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 28.79
1069 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 15.38
1061 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 72.43
1577 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 84.51
1587 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 18.90

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 87192.7 427955.5 15028.7 428218.3 87084.8 88.41
1069 98720.7 484850.8 14670.2 485039.8 98635.8 88.74
1061 98942.8 487311.5 16078.9 487582.0 98672.2 88.49
1577 75722.8 368994.0 15915.4 369351.9 75365.0 88.00
1587 76257.0 370665.8 13950.4 370913.3 76151.4 88.35
MIN Cent 37161.5 166320.3 5671.9 168045.9 35435.8 83.45
1069 50916.3 240534.5 5442.4 241662.8 49788.0 85.60
1061 51022.0 233123.6 6048.7 234520.7 49624.8 85.01
1577 22794.4 89957.5 5861.7 93275.4 19476.5 77.76
1587 23913.1 101665.5 5255.4 104092.8 21485.9 80.13

```

NODE Vxx Vyy

```

MAX Cent 118.3 214230.4
1069 100.8 211026.9
1061 100.8 217433.9
1577 135.8 217433.9
1587 135.8 211026.9
MIN Cent -1525.6 134529.5
1069 -1642.2 132943.2
1061 -1642.2 136115.8
1577 -1409.1 136115.8
1587 -1409.1 132943.2

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1627 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 3.46
1587 5986578.7 5986578.7 0.0 5986578.7 5986578.7 48.13
1577 5986578.7 5986578.7 0.0 5986578.7 5986578.7 44.36
1578 5986578.7 5986578.7 0.0 5986578.7 5986578.7 8.59
1588 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -77.08
MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 3.43
1587 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 42.26
1577 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 36.95
1578 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 8.19
1588 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -75.65

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 60046.2 289633.9 14273.4 290004.7 59907.5 87.70
1587 76099.7 369435.5 13461.2 369686.8 75997.0 88.33
1577 75630.7 368533.5 15370.0 368871.2 75293.0 88.06
1578 43627.0 207633.3 14845.5 208205.2 43406.6 86.63
1588 45148.5 212933.2 12936.7 213346.2 44986.2 87.18
MIN Cent 6425.3 10080.6 5199.5 21696.2 -5190.3 48.91
1587 23724.9 100724.2 5155.2 102943.6 21505.4 80.50
1577 22699.5 89483.0 5481.0 92397.7 19784.7 78.44
1578 -11532.0 -82676.6 5177.8 -9140.0 -85068.5 10.22
1588 -9191.2 -67208.0 4852.0 -6703.2 -69695.9 11.46

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	170.3	258243.0
1587	135.8	255109.0
1577	135.8	261377.0
1578	204.8	261377.0
1588	204.8	255109.0
MIN Cent	-1253.0	178773.2
1587	-1409.1	177118.3
1577	-1409.1	180428.0
1578	-1097.0	180428.0
1588	-1097.0	177118.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1628	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	1.04
				1588	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-89.23
				1578	5986578.7	5986578.7	0.0	5986578.7	5986578.7	3.11
				1579	5986578.7	5986578.7	0.0	5986578.7	5986578.7	85.60
				1589	5986578.7	5986578.7	0.0	5986578.7	5986578.7	31.41
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	0.15
				1588	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-89.23
				1578	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	3.48
				1579	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	85.31
				1589	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	30.18

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	24317.2	108989.6	12914.8	109837.4	24024.3	84.34
1588	44971.1	211601.9	12489.8	212004.1	44818.5	87.20
1578	43624.7	207543.2	13898.9	208049.0	43459.1	86.83
1579	3222.1	4035.0	13041.2	12072.6	-1310.1	47.08
1589	5504.2	12778.4	11632.1	17436.3	2855.8	59.03
MIN Cent	-30264.0	-175062.6	4510.0	-29418.1	-175908.4	4.36
1588	-9382.4	-68164.2	4672.7	-7261.1	-70285.4	10.57
1578	-11564.8	-82841.0	4610.1	-9623.9	-84781.9	9.25
1579	-51875.9	-284050.4	4061.4	-51384.8	-284541.5	2.63
1589	-48232.9	-265194.6	4266.2	-47760.6	-265667.0	2.67

NODE	Vxx	Vyy

MAX Cent	261.1	318449.7
1588	204.8	314515.4
1578	204.8	322384.0
1579	317.5	322384.0
1589	317.5	314515.4
MIN Cent	-897.2	223091.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1588 -1097.0 221337.6
1578 -1097.0 224845.4
1579 -697.5 224845.4
1589 -697.5 221337.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1629	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	62.41
				1589	5986578.7	5986578.7	0.0	5986578.7	5986578.7	85.84
				1579	5986578.7	5986578.7	0.0	5986578.7	5986578.7	27.03
				1580	5986578.7	5986578.7	0.0	5986578.7	5986578.7	47.62
				1590	5986578.7	5986578.7	0.0	5986578.7	5986578.7	82.38
				MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	56.30
				1589	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	85.30
				1579	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	17.70
				1580	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	44.30
				1590	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	82.69

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	-19426.1	-112151.3	10916.6	-19284.8	-112463.9	2.23
1589	5325.2	11460.8	10873.9	16086.5	2749.1	57.99
1579	3326.3	4357.9	11766.5	11489.0	-454.1	47.76
1580	-44269.0	-217853.0	10592.1	-44225.7	-217896.3	0.90
1590	-41445.2	-207939.2	9699.5	-41375.8	-208001.3	1.11
MIN Cent	-72930.3	-389117.6	3373.4	-72705.3	-389342.7	1.53
1589	-48411.0	-266085.1	3841.8	-48038.7	-266457.4	2.37
1579	-51830.5	-283823.2	3383.0	-51472.9	-284180.8	2.25
1580	-98334.7	-514300.3	2742.5	-98193.4	-514441.6	1.06
1590	-93145.2	-492262.0	3201.3	-93001.9	-492405.3	1.09

NODE Vxx Vyy

MAX Cent	398.2	383020.9
1589	317.5	378874.0
1579	317.5	387167.9
1580	479.0	387167.9
1590	479.0	378874.0
MIN Cent	-446.8	267576.0
1589	-697.5	265632.0
1579	-697.5	269520.1
1580	-226.1	269520.1
1590	-226.1	265632.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1630	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	5.87

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1590 5986578.7 5986578.7 0.0 5986578.7 5986578.7 57.36
1580 5986578.7 5986578.7 0.0 5986578.7 5986578.7 5.92
1062 5986578.7 5986578.7 0.0 5986578.7 5986578.7 85.67
1070 5986578.7 5986578.7 0.0 5986578.7 5986578.7 24.28
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 4.77
1590 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 56.67
1580 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 5.12
1062 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 85.80
1070 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 25.57

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```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -64275.8 -315702.4 8266.2 -64260.2 -315717.9 0.45
1590 -41579.6 -208431.9 8643.4 -41525.4 -208472.3 0.98
1580 -44122.6 -217120.9 9029.4 -44098.0 -217145.5 0.68
1062 -85940.4 -424533.4 7514.2 -85935.4 -424538.5 0.22
1070 -84009.9 -412723.3 7128.3 -83999.7 -412733.5 0.32
MIN Cent -121584.0 -632241.9 1976.8 -121528.8 -632297.1 0.60
1590 -93278.4 -492928.1 2586.1 -93181.4 -493025.1 0.89
1580 -98218.2 -513718.0 2065.1 -98131.9 -513804.3 0.83
1062 -150489.8 -773880.2 1308.1 -150459.9 -773910.1 0.40
1070 -144349.7 -748441.1 1829.1 -144315.4 -748475.4 0.43

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```

NODE Vxx Vyy
-----
MAX Cent 507.9 447956.8
1590 479.0 443297.1
1580 479.0 452616.6
1062 646.2 452616.6
1070 646.2 443297.1
MIN Cent -155.5 312381.7
1590 -226.1 310046.8
1580 -226.1 314716.6
1062 -124.6 314716.6
1070 -124.6 310046.8

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1631 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 84.68
1070 5986578.7 5986578.7 0.0 5986578.7 5986578.7 47.12
1062 5986578.7 5986578.7 0.0 5986578.7 5986578.7 79.82
1063 5986578.7 5986578.7 0.0 5986578.7 5986578.7 81.79
1071 5986578.7 5986578.7 0.0 5986578.7 5986578.7 7.98
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 85.10
1070 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 43.40
1062 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 78.90
1063 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 81.50
1071 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 8.70

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-108722.1	-536349.3	4992.6	-108721.5	-536349.9	0.07
1070	-84041.0	-412878.7	5594.2	-84037.6	-412882.1	0.19
1062	-85845.5	-424058.8	5491.1	-85845.4	-424058.8	0.02
1063	-135842.1	-662292.7	3504.1	-135840.7	-662294.0	-0.09
1071	-129159.8	-646167.1	3721.5	-129159.8	-646167.1	0.01
MIN Cent	-176372.3	-904955.6	494.3	-176367.0	-904960.9	0.15
1070	-144374.9	-748566.9	1061.8	-144361.0	-748580.7	0.27
1062	-150383.6	-773349.1	136.8	-150377.1	-773355.5	0.18
1063	-211757.3	-1064951.1	-837.6	-211757.3	-1064951.1	-0.00
1071	-198973.6	-1032955.4	87.4	-198972.7	-1032956.3	0.06

NODE	Vxx	Vyy

MAX Cent	1213.3	513641.8
1070	646.2	507731.0
1062	646.2	519552.6
1063	1843.7	519552.6
1071	1843.7	507731.0
MIN Cent	436.8	357723.6
1070	-124.6	354585.1
1062	-124.6	360862.0
1063	998.3	360862.0
1071	998.3	354585.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1632	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	9.85
				1071	5986578.7	5986578.7	0.0	5986578.7	5986578.7	58.63
				1063	5986578.7	5986578.7	0.0	5986578.7	5986578.7	13.79
				1064	5986578.7	5986578.7	0.0	5986578.7	5986578.7	85.00
				1072	5986578.7	5986578.7	0.0	5986578.7	5986578.7	0.76
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	10.54
				1071	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	56.01
				1063	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	12.90
				1064	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	84.65
				1072	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	2.31

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-159054.6	-787380.5	756.4	-159044.0	-787391.0	-0.23
1071	-129045.2	-645593.9	1932.2	-129043.2	-645595.9	-0.11
1063	-135994.5	-663055.1	2464.3	-135993.7	-663056.0	-0.07
1064	-183998.0	-931095.8	259.1	-183992.1	-931101.7	-0.16
1072	-187180.5	-909777.0	-273.0	-187172.2	-909785.3	-0.19
MIN Cent	-237193.2	-1208469.5	-3704.8	-237179.0	-1208483.6	-0.22
1071	-198789.4	-1032034.5	-1003.7	-198788.3	-1032035.6	-0.07

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1063 -211919.9 -1065763.8 -654.7 -211919.5 -1065764.3 -0.04
 1064 -267793.0 -1387984.4 -3321.2 -267783.1 -1387994.3 -0.17
 1072 -270270.3 -1348095.1 -3665.9 -270257.9 -1348107.5 -0.19

NODE Vxx Vyy

MAX Cent 1218.1 580858.3

1071 1843.7 571927.1
 1063 1843.7 589879.7
 1064 655.8 589879.7
 1072 655.8 571927.1

MIN Cent -587.7 403968.2

1071 998.3 399316.6
 1063 998.3 408619.7
 1064 -3019.1 408619.7
 1072 -3019.1 399316.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1633 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -4.36

1073 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -1.67
 1065 5986578.7 5986578.7 0.0 5986578.7 5986578.7 77.67
 1066 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -4.16
 1074 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -70.35

MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -4.63

1073 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -1.12
 1065 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 73.53
 1066 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -3.50
 1074 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -69.80

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 15124.8 96345.6 -2918.6 96525.4 14945.0 -87.31

1073 253.2 5102.6 -2214.3 6943.3 -1587.6 -62.32
 1065 -1299.4 31844.7 -2306.3 32145.9 -1600.5 -84.58
 1066 37189.8 186145.2 -1334.4 186157.2 37177.9 -89.49
 1074 24355.7 162289.8 -1498.1 162310.0 24335.5 -89.31

MIN Cent -111131.2 -554015.5 -4564.4 -111094.6 -554052.1 -0.52

1073 -135289.1 -706329.9 -3509.3 -135275.3 -706343.7 -0.28
 1065 -148694.0 -710645.5 -3445.7 -148678.3 -710661.1 -0.30
 1066 -80217.5 -398141.6 -3140.7 -80190.7 -398168.4 -0.53
 1074 -80324.1 -400945.2 -2995.8 -80300.3 -400969.0 -0.49

NODE Vxx Vyy

MAX Cent 1995.6 -236350.4

1073 3816.9 -240907.2
 1065 3816.9 -231793.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1066 174.4 -231793.7
 1074 174.4 -240907.2
 MIN Cent -167.8 -468954.9
 1073 1596.2 -465463.2
 1065 1596.2 -472446.6
 1066 -2328.4 -472446.6
 1074 -2328.4 -465463.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1634	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	3.13
				1074	5986578.7	5986578.7	0.0	5986578.7	5986578.7	87.01
				1066	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-89.46
				1067	5986578.7	5986578.7	0.0	5986578.7	5986578.7	15.94
				1075	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-13.22
				MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	3.06
				1074	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	84.51
				1066	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-88.75
				1067	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	17.52
				1075	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-13.13

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	43411.0	235900.8	559.4	235902.4	43409.4	89.83
1074	23786.6	159444.4	-1234.0	159457.0	23774.0	-89.45
1066	37254.0	186466.2	69.1	186466.2	37254.0	89.97
1067	60790.3	309656.0	1749.1	309668.3	60778.0	89.60
1075	51813.2	288036.4	372.8	288037.0	51812.6	89.91
MIN Cent	-53822.6	-265697.2	-3167.0	-53785.8	-265734.0	-0.76
1074	-80430.8	-401478.5	-2484.9	-80414.3	-401495.0	-0.41
1066	-80107.8	-397592.9	-4357.8	-80063.1	-397637.5	-0.68
1067	-27503.7	-129410.2	-4097.4	-27388.4	-129525.5	-1.93
1075	-27248.1	-134307.2	-2224.4	-27212.0	-134343.2	-1.05

NODE	Vxx	Vyy
MAX Cent	370.1	-190893.6
1074	174.4	-194454.4
1066	174.4	-187332.9
1067	565.9	-187332.9
1075	565.9	-194454.4
MIN Cent	-1836.0	-406498.5
1074	-2328.4	-405607.5
1066	-2328.4	-407389.5
1067	-1343.7	-407389.5
1075	-1343.7	-405607.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1635	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-85.76
				1075	5986578.7	5986578.7	0.0	5986578.7	5986578.7	73.55
				1067	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-2.76
				1581	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-10.16
				1591	5986578.7	5986578.7	0.0	5986578.7	5986578.7	88.19
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-84.60
				1075	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	63.30
				1067	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-2.32
				1581	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-8.76
				1591	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	89.36

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	66038.3	345650.5	3644.0	345698.0	65990.9	89.25
1075	51242.3	285181.9	1930.8	285197.8	51226.3	89.53
1067	60805.1	309729.9	3645.1	309783.2	60751.7	89.16
1581	80050.3	403835.2	5205.8	403918.9	79966.6	89.08
1591	72055.7	383855.1	3491.4	383894.2	72016.6	89.36
MIN Cent	-5122.1	-19122.6	-2408.2	-4867.8	-19377.0	-7.61
1075	-27536.7	-135750.2	-1720.0	-27518.1	-135768.8	-0.75
1067	-27315.6	-128469.6	-3474.8	-27240.4	-128544.8	-1.56
1581	17433.8	97123.5	-2984.8	97186.6	17329.2	-88.39
1591	14969.5	90605.7	-1229.9	90616.8	14954.1	-89.30

NODE	Vxx	Vyy
MAX Cent	479.6	-146067.5
1075	565.9	-149430.7
1067	565.9	-142704.3
1581	393.4	-142704.3
1591	393.4	-149430.7
MIN Cent	-1249.2	-343888.3
1075	-1343.7	-343888.3
1067	-1343.7	-342476.7
1581	-1169.4	-342476.7
1591	-1169.4	-343888.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1636	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-85.24
				1591	5986578.7	5986578.7	0.0	5986578.7	5986578.7	27.58
				1581	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-84.54
				1582	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-6.12
				1592	5986578.7	5986578.7	0.0	5986578.7	5986578.7	89.42
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-84.32
				1591	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	17.04

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1581 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -82.45
 1582 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -6.42
 1592 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 86.32

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent 82825.8 426042.7 6596.8 426169.5 82699.0 88.90
 1591 71565.6 381404.7 5078.8 381488.0 71482.4 89.06
 1581 80021.1 403689.1 6599.5 403823.7 79886.6 88.83
 1582 93427.5 468453.8 8007.2 468624.6 93256.6 88.78
 1592 86288.9 450623.2 6486.5 450738.7 86173.5 88.98
 MIN Cent 29485.2 170345.6 -1193.1 170388.8 29441.9 89.00
 1591 14589.6 88603.0 -752.4 88605.3 14548.9 -89.68
 1581 17690.1 98158.6 -2232.7 98186.7 17632.2 -88.93
 1582 44014.8 233522.1 -1582.0 233569.0 43967.8 89.10
 1592 38711.0 225117.3 -101.6 225153.7 38674.6 89.20

NODE Vxx Vyy

 MAX Cent 347.6 -101472.8
 1591 393.4 -104785.6
 1581 393.4 -98160.0
 1582 301.8 -98160.0
 1592 301.8 -104785.6
 MIN Cent -1129.5 -279228.0
 1591 -1169.4 -280743.3
 1581 -1169.4 -277712.8
 1582 -1095.8 -277712.8
 1592 -1095.8 -280743.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

 1637 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -55.15
 1592 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -57.64
 1582 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -5.55
 1583 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -32.96
 1593 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -49.34
 MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -46.36
 1592 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -45.63
 1582 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -5.33
 1583 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -29.76
 1593 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -40.75

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent 93690.6 477272.6 9188.8 477492.6 93470.6 88.63
 1592 85919.2 448774.8 7904.9 448946.9 85747.1 88.75
 1582 93363.7 468134.4 9207.7 468360.5 93137.6 88.59

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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1583 100950.4 503648.6 10414.0 503917.8 100681.3 88.52
1593 94529.0 488532.4 9111.1 488743.0 94318.5 88.68
MIN Cent 50159.0 272849.9 233.3 272912.7 50096.2 89.04
1592 38341.4 223269.2 336.3 223325.2 38285.4 89.00
1582 44056.7 233731.6 -579.1 233800.9 43987.3 88.90
1583 61570.0 320757.5 166.7 320826.1 61501.5 89.07
1593 56667.8 313641.4 1082.1 313697.7 56611.5 89.15

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NODE Vxx Vyy

MAX Cent 265.6 -56945.4

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1592 301.8 -60138.3
1582 301.8 -53752.5
1583 229.4 -53752.5
1593 229.4 -60138.3

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MIN Cent -1056.4 -214841.2

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1592 -1095.8 -216642.5
1582 -1095.8 -213039.8
1583 -1017.0 -213039.8
1593 -1017.0 -216642.5

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1638 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 88.62
1593 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -54.26
1583 5986578.7 5986578.7 0.0 5986578.7 5986578.7 3.62
1584 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -12.48
1594 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -79.52
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -89.90
1593 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -51.07
1583 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 2.44
1584 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -12.70
1594 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -65.15

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 98641.8 499423.9 11335.9 499744.3 98321.5 88.38

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1593 94294.8 487361.3 10297.0 487630.9 94025.3 88.50
1583 100859.4 503193.7 11371.2 503514.8 100538.3 88.38
1584 105737.7 540554.7 12333.4 540649.0 105617.2 89.16
1594 101824.4 530832.0 11259.2 530928.2 101804.3 89.14

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MIN Cent 65003.1 346190.6 1759.3 346272.4 64921.4 89.02

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1593 56357.1 312087.7 1544.5 312160.9 56283.8 89.03
1583 61599.7 320905.9 1232.5 320991.8 61513.8 88.96
1584 73239.4 378775.0 2008.2 378863.6 73150.9 89.02
1594 68816.4 372993.9 2320.2 373069.9 68740.3 89.09

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NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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MAX Cent  194.7 -12438.4
  1593  229.4 -15403.5
  1583  229.4 -9473.3
  1584  159.9 -9473.3
  1594  159.9 -15403.5
MIN Cent  -974.0 -150211.0
  1593 -1017.0 -151966.1
  1583 -1017.0 -148455.9
  1584 -954.4 -148455.9
  1594 -954.4 -151966.1

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ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
1639   3    1 env SL~1 MAX Cent 5986578.7 5986578.7   0.0 5986578.7 5986578.7  68.62
      1594 5986578.7 5986578.7   0.0 5986578.7 5986578.7  75.48
      1584 5986578.7 5986578.7   0.0 5986578.7 5986578.7  -5.50
      1068 5986578.7 5986578.7  -0.0 5986578.7 5986578.7 -88.96
      1076 5986578.7 5986578.7   0.0 5986578.7 5986578.7   5.87
      MIN Cent -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  58.72
      1594 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  65.58
      1584 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  -5.79
      1068 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3 -88.18
      1076 -1282721.3 -1282721.3   0.0 -1282721.3 -1282721.3   2.77

```

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      NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent 109116.3 558780.2 12956.0 558904.8 109086.0  89.05
  1594 101523.5 529051.1 12179.9 529167.6 101497.8  89.06
  1584 105744.3 540647.3 13018.9 540772.8 105604.5  89.03
  1068 116492.6 588231.2 13704.2 588373.4 116457.7  89.01
  1076 112987.7 579138.8 12865.1 579262.9 112958.5  89.07
      MIN Cent 73996.3 390389.5 3265.2 390489.0 73896.7  88.98
  1594 68598.5 371904.6 2809.4 371995.5 68507.7  89.01
  1584 73251.6 378835.9 3030.1 378937.0 73150.5  88.96
  1068 79033.8 407589.1 3771.9 407695.9 78927.1  88.97
  1076 75101.3 403228.2 3551.2 403324.2 75005.3  89.02

```

```

      NODE   Vxx   Vyy
-----
MAX Cent  113.0 32067.6
  1594  159.9 29426.0
  1584  159.9 34709.3
  1068   66.1 34709.3
  1076   66.1 29426.0
      MIN Cent -949.3 -85434.1
  1594 -954.4 -86972.8
  1584 -954.4 -83895.4
  1068 -944.2 -83895.4

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1076 -944.2 -86972.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1640	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-52.40
				1076	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-75.27
				1068	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-9.29
				1585	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-86.66
				1595	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-12.81
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-50.15
				1076	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-67.45
				1068	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-9.02
				1585	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-85.97
				1595	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-13.40

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	116020.9	585973.4	13992.9	586141.5	115980.8	88.92
1076	112832.9	578196.6	13489.4	578338.3	112798.1	89.00
1068	116479.4	587954.6	14097.5	588125.1	116438.9	88.92
1585	119074.1	593017.1	14482.0	593211.3	119028.5	88.85
1595	115697.2	585321.7	13873.9	585487.0	115657.6	88.93
MIN Cent	77116.6	405463.2	4247.0	405579.4	77000.4	88.92
1076	74997.8	402710.3	3930.6	402818.4	74889.6	88.96
1068	79025.9	407549.5	4249.7	407663.8	78911.6	88.93
1585	78956.7	407208.2	4555.5	407331.5	78833.4	88.89
1595	75486.2	404384.7	4242.7	404501.1	75369.8	88.92

NODE Vxx Vyy

MAX Cent	10.4	76582.6
1076	66.1	74338.5
1068	66.1	78826.8
1585	-43.6	78826.8
1595	-43.6	74338.5
MIN Cent	-946.8	-20611.2
1076	-944.2	-21794.6
1068	-944.2	-19427.8
1585	-949.5	-19427.8
1595	-949.5	-21794.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1641	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	62.06
				1595	5986578.7	5986578.7	0.0	5986578.7	5986578.7	11.03
				1585	5986578.7	5986578.7	0.0	5986578.7	5986578.7	85.07
				1586	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-70.54

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1596 5986578.7 5986578.7 0.0 5986578.7 5986578.7 68.18
MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 55.34
1595 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 12.39
1585 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 84.34
1586 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -63.33
1596 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 55.66

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

MAX Cent 114459.5 570633.4 14408.8 570848.5 114409.4 88.76
1595 115705.9 585254.4 14172.4 585438.4 115661.8 88.87
1585 119021.3 592420.3 14576.8 592636.9 118971.8 88.78
1586 113184.0 558767.2 14645.2 558851.9 113127.2 89.21
1596 109926.7 553119.7 14240.8 553185.7 109875.9 89.30
MIN Cent 74351.1 391417.3 4684.4 391549.2 74219.2 88.83
1595 75507.3 404490.1 4470.7 404614.4 75382.9 88.89
1585 78927.5 407062.3 4726.1 407188.0 78801.9 88.88
1586 71879.2 351965.7 4909.9 352729.4 71115.5 87.01
1596 68424.4 351511.0 4654.6 352225.5 67709.8 87.13

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```

NODE Vxx Vyy

```

```

MAX Cent -81.2 121111.8
1595 -43.6 119318.5
1585 -43.6 122905.2
1586 -118.7 122905.2
1596 -118.7 119318.5
MIN Cent -960.4 43593.1
1595 -949.5 42530.6
1585 -949.5 44405.4
1586 -971.4 44405.4
1596 -971.4 42530.6

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

1642 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -6.29
1596 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -4.83
1586 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -86.64
1069 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -83.44
1077 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -86.85
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -7.19
1596 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -4.80
1586 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -86.46
1069 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -81.05
1077 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -86.07

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```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 104427.4 520032.3 14184.1 520124.5 104366.8 89.15
  1596 110100.4 553879.5 14184.3 553951.5 110047.1 89.27
  1586 113092.6 557950.8 14450.3 558046.4 113033.8 89.16
  1069 98824.6 486007.2 14195.9 486126.0 98754.8 89.00
  1077 95691.9 482291.9 13930.0 482382.4 95628.5 89.13
MIN Cent 59372.4 297550.1 4886.1 298391.9 58530.7 86.60
  1596 68735.3 353065.6 4757.7 353771.5 68029.4 87.15
  1586 71715.6 351147.8 4974.5 351893.1 70970.3 87.05
  1069 49898.9 241183.6 5037.0 242231.4 48851.1 85.78
  1077 47139.9 244803.5 4820.2 245780.4 46163.0 85.99

```

NODE Vxx Vyy

```

-----
MAX Cent -162.5 165655.1
  1596 -118.7 164344.5
  1586 -118.7 166965.7
  1069 -206.2 166965.7
  1077 -206.2 164344.5
MIN Cent -988.6 88183.5
  1596 -971.4 87573.6
  1586 -971.4 88793.4
  1069 -1005.8 88793.4
  1077 -1005.8 87573.6

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
1643 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 5.06
  1077 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -29.58
  1069 5986578.7 5986578.7 0.0 5986578.7 5986578.7 68.67
  1587 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -89.25
  1597 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -83.73
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 5.93
  1077 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -11.06
  1069 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 45.00
  1587 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -88.88
  1597 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 86.72

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 85941.6 427144.5 13321.0 427267.8 85868.2 88.91
  1077 96015.0 483739.8 13490.6 483831.6 95953.3 89.12
  1069 98697.6 484954.5 13737.0 485080.8 98627.9 88.97
  1587 75995.4 370674.4 13164.0 370843.3 75905.7 88.63
  1597 73058.6 369209.4 12917.6 369332.4 72979.3 88.84
MIN Cent 34844.9 174350.8 4841.7 175611.4 33584.3 84.59
  1077 47553.0 246869.1 4758.2 247778.0 46644.0 86.15
  1069 49721.3 240295.5 5007.2 241280.6 48736.2 85.90
  1587 22080.5 101299.0 4939.1 103429.2 19950.3 80.81
  1597 20024.7 108939.6 4690.5 110778.2 18186.0 81.90

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	-247.9	210201.2
1077	-206.2	209375.5
1069	-206.2	211026.9
1587	-289.6	211026.9
1597	-289.6	209375.5
MIN Cent	-1020.4	132772.6
1077	-1005.8	132601.9
1069	-1005.8	132943.2
1587	-1034.9	132943.2
1597	-1034.9	132601.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1644	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-5.21
				1597	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-1.70
				1587	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-75.45
				1588	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-83.44
				1598	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-82.12
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-5.56
				1597	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-1.71
				1587	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-17.99
				1588	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-82.80
				1598	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-80.83

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	59042.8	291834.4	11850.1	292010.6	58946.3	88.43
1597	73496.1	371187.0	12075.5	371301.8	73425.4	88.88
1587	75838.1	369444.1	12482.6	369615.9	75750.9	88.62
1588	44678.0	212851.4	11608.7	213139.5	44536.3	87.64
1598	42158.9	213855.0	11201.6	214045.1	42045.5	88.10
MIN Cent	4507.5	21948.1	4550.8	27940.7	-1485.0	63.17
1597	20499.6	111314.3	4431.7	112892.5	18921.4	82.55
1587	21892.2	100357.6	4845.9	102295.6	19954.3	81.18
1588	-11571.6	-67684.1	4648.0	-9264.8	-69990.9	11.24
1598	-12790.0	-56195.6	4233.4	-10069.7	-58915.9	13.65

NODE	Vxx	Vyy

MAX Cent	-312.2	254716.1
1597	-289.6	254323.2
1587	-289.6	255109.0
1588	-334.7	255109.0
1598	-334.7	254323.2
MIN Cent	-1025.1	177335.0

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1597 -1034.9 177551.6
1587 -1034.9 177118.3
1588 -1015.3 177118.3
1598 -1015.3 177551.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1645 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -82.44
1598 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -21.13
1588 5986578.7 5986578.7 0.0 5986578.7 5986578.7 1.11
1589 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -24.92
1599 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -88.27
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -82.28
1598 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -21.77
1588 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 1.05
1589 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -24.09
1599 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -88.50

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 23790.7 114114.3 9835.8 114504.2 23590.1 86.27
1598 42651.6 216086.3 9964.6 216246.7 42562.2 88.26
1588 44500.5 211520.2 10754.5 211802.7 44365.1 87.66
1589 4817.9 12604.4 9948.1 16084.4 2465.1 62.13
1599 3192.9 16246.4 8823.4 17888.9 2080.3 71.68
MIN Cent -31566.2 -159732.6 4036.1 -30815.8 -160483.0 4.36
1598 -12316.8 -53829.4 3771.5 -10048.8 -56097.3 12.82
1588 -11762.8 -68640.3 4519.6 -9797.3 -70605.8 10.36
1589 -51085.7 -265765.2 4201.3 -50656.0 -266194.8 2.56
1599 -51099.7 -250695.4 3452.2 -50710.4 -251084.7 2.53

NODE Vxx Vyy

MAX Cent -311.3 314895.0
1598 -334.7 315579.4
1588 -334.7 314515.4
1589 -282.2 314515.4
1599 -282.2 315579.4
MIN Cent -944.9 221815.3
1598 -1015.3 222292.9
1588 -1015.3 221337.6
1589 -874.4 221337.6
1599 -874.4 222292.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1646 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 89.87

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1599 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -71.24
1589 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -50.48
1590 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -33.33
1600 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -51.19
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 89.69
1599 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -66.93
1589 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -16.94
1590 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -35.51
1600 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -46.98

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent -19299.4 -105018.8 7886.2 -19169.1 -105242.5 2.22
1599 3653.9 18318.6 7370.2 19467.1 2981.1 75.07
1589 4638.9 11286.8 9239.9 14814.0 2257.6 60.96
1590 -42513.2 -208269.4 8250.8 -42441.7 -208336.9 1.13
1600 -42223.5 -199958.0 6381.1 -42157.1 -200008.8 1.11
MIN Cent -73295.7 -370732.1 3346.9 -73112.3 -370915.5 1.42
1599 -50719.1 -248792.8 2829.7 -50453.8 -249058.2 2.09
1589 -51263.7 -266655.6 3979.9 -50920.0 -266999.3 2.29
1590 -96638.0 -492960.6 3324.5 -96505.4 -493093.2 1.05
1600 -94561.9 -474519.2 2405.3 -94470.5 -474610.6 0.89

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```

NODE   Vxx   Vyy
-----
MAX Cent -98.4 379214.5
1599 -282.2 379898.1
1589 -282.2 378874.0
1590 85.4 378874.0
1600 85.4 379898.1
MIN Cent -670.0 266101.6
1599 -874.4 266571.1
1589 -874.4 265632.0
1590 -485.8 265632.0
1600 -485.8 266571.1

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1647 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -85.43
1600 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -88.02
1590 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -2.61
1070 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -69.10
1078 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -86.29
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -85.55
1600 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -87.87
1590 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -2.73
1070 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -52.14
1078 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -86.55

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-64737.7	-305782.1	5688.3	-64719.5	-305800.3	0.50
1600	-41967.3	-198656.0	5208.6	-41923.8	-198680.9	0.90
1590	-42647.7	-208762.1	7236.0	-42585.4	-208810.7	1.06
1070	-85591.3	-413039.6	5968.0	-85578.4	-413052.5	0.36
1078	-84336.1	-402670.7	3940.6	-84331.6	-402675.2	0.22
MIN Cent	-120629.5	-610963.6	2091.5	-120586.8	-611006.3	0.53
1600	-94389.9	-473658.9	1797.9	-94342.9	-473705.9	0.64
1590	-96771.2	-493626.7	2822.9	-96677.0	-493720.9	0.88
1070	-147952.7	-749161.7	2055.9	-147917.8	-749196.6	0.44
1078	-143404.3	-727407.1	1195.5	-143391.9	-727419.5	0.26

NODE	Vxx	Vyy
MAX Cent	334.3	442999.3
1600	85.4	443004.0
1590	85.4	443297.1
1070	583.3	443297.1
1078	583.3	443004.0
MIN Cent	-361.1	309983.9
1600	-485.8	309921.0
1590	-485.8	310046.8
1070	-236.4	310046.8
1078	-236.4	309921.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1648	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-75.88
				1078	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-87.86
				1070	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-0.95
				1071	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-29.54
				1079	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-87.02
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-73.21
				1078	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-87.78
				1070	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-0.60
				1071	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-24.05
				1079	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-86.99

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-108059.4	-524064.5	3156.5	-108058.2	-524065.6	0.10
1078	-84278.5	-402382.6	2724.2	-84277.9	-402383.3	0.08
1070	-85622.4	-413195.0	4400.5	-85618.6	-413198.8	0.20
1071	-133929.0	-647120.9	3322.3	-133928.9	-647121.1	0.03
1079	-128407.7	-633559.3	1239.9	-128407.4	-633559.6	-0.05
MIN Cent	-173685.1	-880001.8	700.5	-173680.9	-880006.1	0.14
1078	-143559.9	-728185.1	453.7	-143557.3	-728187.6	0.12

AUTOSTRADA VALDASTICO A31 NORD
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1070	-147977.9	-749287.5	1120.6	-147965.2	-749300.1	0.26
1071	-207378.0	-1034636.3	245.5	-207376.6	-1034637.7	0.07
1079	-195824.8	-1007898.5	-474.0	-195824.5	-1007898.8	-0.03

NODE Vxx Vyy

MAX Cent 1170.5 505752.0

1078	583.3	503943.8
1070	583.3	507731.0
1071	1792.0	507731.0
1079	1792.0	503943.8

MIN Cent 287.4 353072.1

1078	-236.4	351559.1
1070	-236.4	354585.1
1071	811.1	354585.1
1079	811.1	351559.1

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1649 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -15.86

1079	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-71.13
1071	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-11.28
1072	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-87.61
1080	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-9.86
MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-15.08
1079	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-51.14
1071	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-13.26
1072	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-87.67
1080	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-6.43

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -157097.2 -770629.6 975.0 -157093.3 -770633.5 -0.14

1079	-128617.4	-634607.7	1257.2	-128616.6	-634608.6	-0.07
1071	-133814.4	-646547.8	2098.4	-133814.4	-646547.8	-0.01
1072	-182437.0	-908828.3	801.6	-182435.3	-908830.0	-0.09
1080	-183519.9	-892534.5	-39.6	-183515.9	-892538.6	-0.14

MIN Cent -232478.6 -1176655.2 -2525.9 -232471.9 -1176661.9 -0.15

1079	-196361.9	-1010584.2	-877.0	-196360.9	-1010585.1	-0.06
1071	-207193.8	-1033715.4	-71.3	-207193.8	-1033715.4	0.00
1072	-263351.2	-1346711.2	-1941.5	-263347.7	-1346714.7	-0.10
1080	-263007.6	-1315609.9	-2855.5	-262999.9	-1315617.7	-0.16

NODE Vxx Vyy

MAX Cent 1631.2 566756.4

1079	1792.0	561585.7
1071	1792.0	571927.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1072 1504.6 571927.1
1080 1504.6 561585.7
MIN Cent -221.3 394881.8
1079 811.1 390447.1
1071 811.1 399316.6
1072 -1697.0 399316.6
1080 -1697.0 390447.1

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1650 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -71.05
1081 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -12.68
1073 5986578.7 5986578.7 0.0 5986578.7 5986578.7 85.40
1074 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -82.75
1082 5986578.7 5986578.7 0.0 5986578.7 5986578.7 30.71
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -66.58
1081 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -18.32
1073 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 84.15
1074 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -82.36
1082 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 33.29

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 9791.3 72265.7 -720.1 72973.2 9083.8 -83.96
1081 2880.8 -7290.9 -403.4 5042.2 -9452.4 -22.72
1073 -13021.0 2447.7 -806.6 4209.8 -14783.1 -72.27
1074 30202.6 163459.2 72.8 163570.1 30091.6 -88.35
1082 19102.7 130446.9 471.7 130556.8 18992.8 -88.20
MIN Cent -120805.8 -562015.6 -6686.0 -120804.5 -562016.8 -0.10
1081 -161637.0 -725052.6 -5163.1 -161636.7 -725052.9 -0.04
1073 -141821.3 -707577.3 -5510.2 -141804.3 -707578.4 -0.33
1074 -77155.4 -400311.4 -3847.0 -77155.3 -400311.4 0.01
1082 -102905.1 -415121.0 -3499.9 -102904.4 -415121.7 0.08

NODE Vxx Vyy

MAX Cent 1927.8 -226777.5
1081 5154.4 -212647.8
1073 5154.4 -240907.2
1074 -1298.7 -240907.2
1082 -1298.7 -212647.8
MIN Cent -5689.3 -468462.1
1081 -4798.2 -471461.0
1073 -4798.2 -465463.2
1074 -6580.4 -465463.2
1082 -6580.4 -471461.0

AUTOSTRADA VALDASTICO A31 NORD
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ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1651	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-75.85
				1082	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-77.36
				1074	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-3.15
				1075	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-31.05
				1083	5986578.7	5986578.7	0.0	5986578.7	5986578.7	60.02
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-69.43
				1082	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-74.23
				1074	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-2.96
				1075	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-29.27
				1083	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	49.26

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	36889.2	210848.0	666.3	210866.4	36870.8	-89.41
1082	20846.8	139167.2	-62.3	139176.6	20837.3	-89.49
1074	29633.5	160613.8	234.7	160709.0	29538.3	-88.46
1075	56461.2	288966.0	766.0	288977.0	56450.2	-89.61
1083	40615.3	254645.0	876.7	254648.6	40611.7	89.77
MIN Cent	-63091.6	-273144.5	-1790.6	-63089.5	-273146.6	0.18
1082	-101887.2	-410031.6	-1385.3	-101887.2	-410031.6	-0.01
1074	-77262.0	-400844.8	-3532.8	-77262.0	-400844.8	0.01
1075	-26125.2	-134082.6	-1598.3	-26122.3	-134085.5	0.30
1083	-47091.9	-147618.9	-309.6	-47089.9	-147621.0	0.26

NODE	Vxx	Vyy
MAX Cent	-1946.2	-185392.6
1082	-1298.7	-176330.9
1074	-1298.7	-194454.4
1075	-2593.6	-194454.4
1083	-2593.6	-176330.9
MIN Cent	-5926.6	-401590.6
1082	-6580.4	-397573.7
1074	-6580.4	-405607.5
1075	-5327.4	-405607.5
1083	-5327.4	-397573.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1652	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-45.00
				1083	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-6.19
				1075	5986578.7	5986578.7	0.0	5986578.7	5986578.7	85.88
				1591	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-55.83
				1601	5986578.7	5986578.7	0.0	5986578.7	5986578.7	85.98
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-42.52
				1083	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-6.10

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```

1075 -1282721.3 -1282721.3   -0.0 -1282721.3 -1282721.3   85.19
1591 -1282721.3 -1282721.3   -0.0 -1282721.3 -1282721.3  -51.66
1601 -1282721.3 -1282721.3   -0.0 -1282721.3 -1282721.3   85.44
    
```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
    
```

```

-----
MAX Cent  58271.5  322277.5  2184.3  322295.5  58253.4  89.53
1083  42553.7  264337.0  2438.2  264363.8  42526.9  89.37
1075  55890.3  286111.5  1376.8  286114.2  55887.6  89.80
1591  76386.3  384721.2  2550.5  384742.3  76365.2  89.53
1601  58255.6  353940.1  4198.4  353999.7  58196.0  89.19
MIN Cent -13585.6 -26728.4   908.5 -13472.7 -26841.3   5.27
1083 -45442.0 -139369.2  157.0 -45441.2 -139370.0   0.17
1075 -26413.8 -135525.6  508.3 -26401.1 -135538.3   0.62
1591 16580.9  90750.7  1322.0  90784.1  16550.6  88.78
1601   42.3  77230.3  624.2  77235.9   36.7  89.51
    
```

```

NODE   Vxx   Vyy
    
```

```

-----
MAX Cent -2594.9 -143068.5
1083 -2593.6 -136706.3
1075 -2593.6 -149430.7
1591 -2451.9 -149430.7
1601 -2451.9 -136706.3
MIN Cent -4854.7 -335985.6
1083 -5327.4 -328082.8
1075 -5327.4 -343888.3
1591 -4382.1 -343888.3
1601 -4382.1 -328082.8
    
```

```

ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin   ANGLE
    
```

```

-----
1653   3   1  env SL~1  MAX Cent  5986578.7  5986578.7   0.0  5986578.7  5986578.7  -9.27
1601  5986578.7  5986578.7   0.0  5986578.7  5986578.7  -0.15
1591  5986578.7  5986578.7  -0.0  5986578.7  5986578.7  -82.82
1592  5986578.7  5986578.7   0.0  5986578.7  5986578.7   88.60
1602  5986578.7  5986578.7  -0.0  5986578.7  5986578.7  -13.32
MIN Cent -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  -9.01
1601 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3   1.47
1591 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  -81.96
1592 -1282721.3 -1282721.3   0.0 -1282721.3 -1282721.3   88.48
1602 -1282721.3 -1282721.3  -0.0 -1282721.3 -1282721.3  -15.65
    
```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
    
```

```

-----
MAX Cent  74296.6  405592.8  5622.9  405688.2  74201.2  89.03
1601  60014.0  362731.9  5709.5  362839.6  59906.3  88.92
1591  75896.2  382270.9  4446.5  382335.4  75831.7  89.17
    
```

AUTOSTRADA VALDASTICO A31 NORD
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```

1592 90008.5 451367.2 5891.6 451463.2 89912.5 89.07
1602 71267.6 426001.3 7154.6 426145.5 71123.4 88.85
MIN Cent 22872.8 160492.2 1666.2 160531.5 22833.5 89.03
1601 2010.5 87071.4 1325.2 87093.2 1988.7 89.08
1591 16201.0 88748.0 1394.1 88783.4 16147.9 88.73
1592 40104.2 225396.0 1740.4 225438.3 40061.9 89.13
1602 28948.8 211353.8 1654.6 211386.7 28915.9 89.23

```

NODE Vxx Vyy

```

MAX Cent -2442.4 -100631.1
1601 -2451.9 -96476.6
1591 -2451.9 -104785.6
1592 -2410.4 -104785.6
1602 -2410.4 -96476.6
MIN Cent -4209.4 -271693.5
1601 -4382.1 -262643.8
1591 -4382.1 -280743.3
1592 -4036.7 -280743.3
1602 -4036.7 -262643.8

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1654 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -22.22
1602 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -6.83
1592 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -77.92
1593 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -77.76
1603 5986578.7 5986578.7 0.0 5986578.7 5986578.7 87.83
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -16.04
1602 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -6.83
1592 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -73.50
1593 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -76.52
1603 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 87.27

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 84800.2 460298.9 8388.6 460486.2 84612.9 88.72
1602 72628.0 432803.0 8284.1 432993.5 72437.5 88.68
1592 89638.8 449518.7 7550.4 449677.0 89480.5 88.80
1593 97633.8 489153.4 8656.8 489344.7 97442.4 88.73
1603 79300.2 469720.6 9390.6 469946.3 79074.5 88.62
MIN Cent 43733.1 264377.1 2312.1 264431.8 43678.4 89.10
1602 30324.7 218233.4 2367.1 218289.8 30268.4 89.01
1592 39734.6 223547.9 1922.5 223606.5 39676.0 88.98
1593 57953.8 313898.6 2233.7 313954.6 57897.7 89.15
1603 46919.4 301828.5 2646.6 301884.0 46864.0 89.16

```

NODE Vxx Vyy

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```

-----
MAX Cent -2449.8 -58199.4
1602 -2410.4 -56260.4
1592 -2410.4 -60138.3
1593 -2489.3 -60138.3
1603 -2489.3 -56260.4
MIN Cent -4059.3 -208325.8
1602 -4036.7 -200009.2
1592 -4036.7 -216642.5
1593 -4171.8 -216642.5
1603 -4171.8 -200009.2

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1655 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -0.37
1603 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -42.11
1593 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -36.84
1594 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -28.92
1604 5986578.7 5986578.7 0.0 5986578.7 5986578.7 40.08
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -0.13
1603 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -37.85
1593 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -37.12
1594 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -25.90
1604 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 40.45

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 89803.3 486149.0 10514.1 486427.7 89524.6 88.48
1603 80138.4 473911.6 10106.1 474170.8 79879.2 88.53
1593 97399.5 487982.3 10078.3 488242.2 97139.7 88.52
1594 102742.7 531162.5 10867.4 531247.3 102720.3 89.19
1604 87869.7 517423.7 10895.2 517514.7 87778.7 89.17
MIN Cent 58689.5 339190.0 2992.1 339261.6 58617.9 89.08
1603 48064.3 307552.8 3126.2 307626.1 47991.0 89.04
1593 57643.1 312344.9 2624.5 312417.6 57570.4 89.03
1594 69954.3 373221.5 2890.4 373294.1 69881.6 89.11
1604 59096.5 363641.0 3336.2 363715.1 59022.3 89.11

```

```

NODE Vxx Vyy
-----
MAX Cent -2535.7 -15795.9
1603 -2489.3 -16188.3
1593 -2489.3 -15403.5
1594 -2582.1 -15403.5
1604 -2582.1 -16188.3
MIN Cent -4165.0 -145605.9
1603 -4171.8 -139245.7
1593 -4171.8 -151966.1
1594 -4249.4 -151966.1

```

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1604 -4249.4 -139245.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1656	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-86.55
				1604	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-68.85
				1594	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-5.76
				1076	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-11.47
				1084	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-85.03
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-89.33
				1604	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-65.47
				1594	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-6.38
				1076	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-11.45
				1084	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-83.23

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	100559.8	550517.3	12047.1	550623.9	100453.2	89.12
1604	89110.9	523629.7	11288.8	523734.7	89005.9	89.11
1594	102441.8	529381.6	12023.1	529490.1	102412.5	89.09
1076	113857.0	579417.6	12529.3	579528.3	113828.6	89.12
1084	98154.2	569640.2	11795.0	569748.2	98046.2	89.13
MIN Cent	67847.7	384954.8	3540.7	385043.8	67758.6	89.04
1604	59883.4	367575.9	3589.6	367661.7	59797.6	89.04
1594	69736.4	372132.2	3431.5	372222.3	69646.3	89.01
1076	76015.2	403410.9	3564.7	403503.2	75922.9	89.04
1084	65755.6	396700.2	3722.8	396788.8	65667.0	89.06

NODE Vxx Vyy

MAX Cent	-2578.6	26606.6
1604	-2582.1	23787.1
1594	-2582.1	29426.0
1076	-2575.1	29426.0
1084	-2575.1	23787.1
MIN Cent	-4298.9	-83322.2
1604	-4249.4	-79671.7
1594	-4249.4	-86972.8
1076	-4348.4	-86972.8
1084	-4348.4	-79671.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1657	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-10.04
				1084	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-1.62
				1076	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-83.82
				1595	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-11.65

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1605 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -63.71
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -10.53
1084 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -1.23
1076 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -82.12
1595 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -11.72
1605 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -60.49

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 107205.1 579127.5 13042.6 579257.0 107170.4 89.05
1084 98740.2 572570.4 11976.9 572685.9 98624.7 89.11
1076 113702.2 578475.4 13372.5 578610.0 113665.6 89.03
1595 116379.5 585588.8 13626.7 585737.4 116342.9 88.98
1605 100806.6 580012.4 12231.1 580133.7 100774.3 89.09
MIN Cent 71286.4 401694.0 3979.3 401801.0 71179.4 88.97
1084 66106.9 398456.6 3803.5 398552.3 66011.2 89.03
1076 75911.6 402893.1 4034.6 403002.2 75802.5 88.95
1595 76084.4 404504.4 4088.6 404619.0 75969.8 88.93
1605 67042.5 400922.2 3857.5 401023.0 66941.8 89.00

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NODE Vxx Vyy
-----
MAX Cent -2489.6 69069.1
1084 -2575.1 63799.6
1076 -2575.1 74338.5
1595 -2404.1 74338.5
1605 -2404.1 63799.6
MIN Cent -4305.3 -21283.5
1084 -4348.4 -20772.3
1076 -4348.4 -21794.6
1595 -4262.3 -21794.6
1605 -4262.3 -20772.3

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1658 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -45.00
1605 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -34.89
1595 5986578.7 5986578.7 0.0 5986578.7 5986578.7 80.06
1596 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -6.57
1606 5986578.7 5986578.7 0.0 5986578.7 5986578.7 83.80
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 0.00
1605 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -30.54
1595 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 77.68
1596 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -6.37
1606 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 81.49

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 105962.2 566012.5 13534.6 566059.9 105921.4 89.42
 1605 100721.0 579419.8 12301.7 579544.9 100688.9 89.07
 1595 116388.3 585521.5 14102.9 585696.4 116343.6 88.90
 1596 110276.3 553251.4 14122.9 553306.5 110229.9 89.36
 1606 96463.3 552042.2 12321.8 552081.2 96430.2 89.47
MIN Cent 69032.7 389428.9 4268.1 389555.1 68906.5 88.86
 1605 66927.4 400346.6 3846.1 400451.7 66822.2 88.98
 1595 76105.5 404609.7 4490.7 404738.2 75977.0 88.87
 1596 68320.8 351490.2 4460.5 352192.9 67618.1 87.15
 1606 61497.2 354694.1 3819.5 355211.0 60980.3 87.60

```

NODE Vxx Vyy

```

-----
MAX Cent -2230.6 111678.8
 1605 -2404.1 104039.0
 1595 -2404.1 119318.5
 1596 -2057.1 119318.5
 1606 -2057.1 104039.0
MIN Cent -4108.9 39693.5
 1605 -4262.3 36856.3
 1595 -4262.3 42530.6
 1596 -3955.4 42530.6
 1606 -3955.4 36856.3

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

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-----
1659 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -77.27
 1606 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -33.81
 1596 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -48.25
 1077 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -2.91
 1085 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -56.32
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -76.86
 1606 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -26.72
 1596 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -48.24
 1077 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -2.92
 1085 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -54.98

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

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-----
MAX Cent 96467.6 517387.9 13519.4 517445.1 96420.3 89.33
 1606 95711.4 548345.8 12356.4 548384.9 95678.5 89.47
 1596 110450.0 554011.3 14166.7 554075.1 110397.9 89.31
 1077 95556.8 482314.2 13949.6 482385.6 95499.9 89.22
 1085 84152.2 484880.3 12139.2 484923.1 84117.1 89.41
MIN Cent 54627.2 299699.5 4373.4 300443.0 53883.7 86.85
 1606 60160.2 348009.1 3799.5 348538.5 59630.8 87.55
 1596 68631.7 353044.9 4706.1 353748.8 67927.8 87.16
 1077 46011.4 244577.8 4589.2 245553.0 45036.2 86.00
 1085 43705.5 253166.3 3685.6 253867.5 43004.4 86.69

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	-1658.7	154548.6
1606	-2057.1	144752.7
1596	-2057.1	164344.5
1077	-1161.9	164344.5
1085	-1161.9	144752.7
MIN Cent	-3713.2	82518.0
1606	-3955.4	77462.3
1596	-3955.4	87573.6
1077	-3470.9	87573.6
1085	-3470.9	77462.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1660	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-89.83
				1085	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-55.02
				1077	5986578.7	5986578.7	0.0	5986578.7	5986578.7	3.66
				1597	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-21.83
				1607	5986578.7	5986578.7	0.0	5986578.7	5986578.7	66.88
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-89.71
				1085	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-55.11
				1077	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	3.91
				1597	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-19.38
				1607	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	60.80

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	78614.5	426661.9	12939.5	426730.2	78560.3	89.20
1085	82808.5	478210.7	12176.7	478255.2	82772.1	89.39
1077	95880.0	483762.1	13482.0	483835.7	95823.2	89.21
1597	72287.8	369087.2	12998.3	369176.7	72220.4	89.01
1607	63481.9	375587.5	11693.0	375638.9	63441.0	89.26
MIN Cent	31494.9	180624.0	4241.5	181738.4	30380.5	85.08
1085	42035.4	244815.6	3726.8	245544.2	41306.8	86.58
1077	46424.5	246643.4	4573.8	247547.1	45520.8	86.16
1597	17757.2	108486.1	4352.2	110311.5	15931.7	82.01
1607	19762.7	122550.8	3505.2	123864.2	18449.3	83.59

NODE	Vxx	Vyy

MAX Cent	-697.5	197822.7
1085	-1161.9	186269.9
1077	-1161.9	209375.5
1597	-233.2	209375.5
1607	-233.2	186269.9
MIN Cent	-3203.2	125562.4

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1085 -3470.9 118522.9
1077 -3470.9 132601.9
1597 -2935.6 132601.9
1607 -2935.6 118522.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1661 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -76.80
1607 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -82.77
1597 5986578.7 5986578.7 0.0 5986578.7 5986578.7 1.29
1598 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -6.02
1608 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -56.03
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -75.70
1607 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -81.93
1597 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 0.08
1598 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -6.40
1608 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -52.73

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 52215.2 293818.6 11674.0 293901.4 52152.5 88.94
1607 61690.1 366660.5 11720.4 366717.2 61644.6 89.22
1597 72725.3 371064.7 11929.4 371142.8 72669.4 89.07
1598 40628.0 213560.0 11121.7 213675.7 40547.5 88.52
1608 33968.2 223989.5 10912.6 224065.8 33891.9 88.85
MIN Cent 2209.5 32537.3 3781.4 36510.4 -1763.7 71.20
1607 17937.5 113425.0 3644.3 114842.6 16520.0 83.10
1597 18232.1 110860.8 3968.1 112372.5 16720.4 82.78
1598 -16291.8 -56896.0 3607.6 -13445.1 -59742.7 14.36
1608 -11039.8 -37240.7 3283.8 -7090.1 -41190.4 19.90

NODE Vxx Vyy

MAX Cent 74.1 241688.9
1607 -233.2 229054.5
1597 -233.2 254323.2
1598 381.5 254323.2
1608 381.5 229054.5
MIN Cent -2752.9 168986.3
1607 -2935.6 160420.9
1597 -2935.6 177551.6
1598 -2570.3 177551.6
1608 -2570.3 160420.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1662 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -42.80

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1608	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-6.19
1598	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-87.26
1599	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-8.58
1609	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-53.07
MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-36.74
1608	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-4.86
1598	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-87.26
1599	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-9.23
1609	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-48.96

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	17018.6	118796.0	9537.1	118919.4	16931.8	88.01
1608	31945.6	213876.4	10842.3	213966.2	31855.8	88.73
1598	41120.7	215791.3	9371.0	215866.5	41074.1	88.81
1599	894.8	15775.1	8161.9	16368.9	489.6	79.04
1609	-5350.6	29741.2	9633.2	30082.0	-5691.4	84.40
MIN Cent	-33510.3	-144678.4	2860.8	-32698.0	-145490.7	4.87
1608	-12792.5	-46004.2	3502.6	-9566.3	-49230.4	16.57
1598	-15818.6	-54529.7	2760.2	-13669.4	-56678.9	12.92
1599	-55803.0	-251636.1	2214.0	-55463.5	-251975.7	2.38
1609	-49627.0	-226543.7	2956.4	-49104.0	-227066.7	3.11

NODE Vxx Vyy

MAX Cent	357.9	301935.6
1608	381.5	288291.8
1598	381.5	315579.4
1599	334.3	315579.4
1609	334.3	288291.8
MIN Cent	-2636.9	212989.0
1608	-2570.3	203685.0
1598	-2570.3	222292.9
1599	-2703.5	222292.9
1609	-2703.5	203685.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1663	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-1.46
1609	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-28.32				
1599	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-84.17				
1600	5986578.7	5986578.7	0.0	5986578.7	5986578.7	82.07				
1610	5986578.7	5986578.7	0.0	5986578.7	5986578.7	11.77				
MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-2.58				
1609	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-19.69				
1599	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-83.80				
1600	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	77.44				
1610	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	21.16				

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-26582.2	-98059.5	6321.3	-26542.0	-98099.7	1.36
1609	-7328.5	19851.7	9251.7	20333.3	-7810.1	82.48
1599	1355.7	17847.4	5706.8	18007.2	1301.4	84.47
1600	-45064.7	-200573.6	4437.8	-45064.6	-200595.8	0.03
1610	-48639.8	-183815.8	7575.2	-48511.4	-183944.1	1.76
MIN Cent	-75933.9	-351299.5	1333.5	-75788.8	-351444.5	1.31
1609	-51037.3	-233595.2	3121.8	-50569.6	-234062.9	2.89
1599	-55422.5	-249733.5	870.2	-55255.1	-249901.0	1.68
1600	-100253.5	-475657.6	88.7	-100210.3	-475700.8	0.62
1610	-97022.0	-446211.6	2352.3	-96857.8	-446375.9	1.24

NODE	Vxx	Vyy

MAX Cent	-216.6	366708.8
1609	334.3	353519.5
1599	334.3	379898.1
1600	-767.4	379898.1
1610	-767.4	353519.5
MIN Cent	-3214.5	257839.4
1609	-2703.5	249107.6
1599	-2703.5	266571.1
1600	-3725.5	266571.1
1610	-3725.5	249107.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1664	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-31.57
				1610	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-34.66
				1600	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-75.19
				1078	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-84.10
				1086	5986578.7	5986578.7	0.0	5986578.7	5986578.7	5.74
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-21.78
				1610	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-43.92
				1600	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-67.93
				1078	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-84.38
				1086	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	8.60

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-69330.2	-294260.1	2696.7	-69326.8	-294263.5	0.22
1610	-49616.1	-188697.2	6479.5	-49517.5	-188795.7	1.52
1600	-44774.8	-199271.6	2269.9	-44761.8	-199272.0	-0.49
1078	-86767.9	-403157.1	807.2	-86765.5	-403159.5	-0.16
1086	-93517.1	-385914.4	4364.1	-93494.4	-385937.1	0.50
MIN Cent	-125203.2	-587895.1	-958.3	-125195.8	-587902.5	0.23
1610	-97805.9	-450130.8	2113.7	-97686.7	-450249.9	1.05

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

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1600 -100081.5 -474797.3 -1586.1 -100078.1 -474800.7 0.17
1078 -148322.6 -728390.8 -2574.7 -148320.9 -728392.4 -0.10
1086 -154602.7 -698261.4 1148.3 -154567.7 -698296.4 0.46

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NODE Vxx Vyy

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MAX Cent -1815.7 433144.1

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1610 -767.4 423284.3
1600 -767.4 443004.0
1078 -2775.7 443004.0
1086 -2775.7 423284.3

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MIN Cent -4948.6 303929.5

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```

1610 -3725.5 297938.0
1600 -3725.5 309921.0
1078 -6171.8 309921.0
1086 -6171.8 297938.0

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```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

1665 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -40.55

```

```

1086 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -86.08
1078 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -5.33
1079 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -82.59
1087 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -87.92

```

```

MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -36.22

```

```

1086 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -86.57
1078 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -5.70
1079 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -81.76
1087 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -88.04

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

MAX Cent -114249.6 -511578.5 -1070.0 -114239.8 -511588.3 -0.28

```

```

1086 -93968.4 -388171.1 2037.8 -93966.0 -388173.6 0.17
1078 -86710.3 -402869.0 -1100.7 -86693.1 -402886.3 -0.42
1079 -131071.0 -634091.9 -2736.6 -131046.0 -634117.0 -0.40
1087 -145248.6 -621182.0 358.0 -145248.3 -621182.2 -0.04

```

```

MIN Cent -181080.3 -855574.2 -3623.1 -181063.0 -855591.5 -0.29

```

```

1086 -154534.0 -697917.8 -523.7 -154529.7 -697922.2 0.16
1078 -148478.2 -729168.7 -3872.1 -148453.3 -729193.5 -0.37
1079 -200760.4 -1008885.7 -6039.7 -200715.3 -1008930.8 -0.43
1087 -220548.4 -986324.6 -1452.6 -220547.8 -986325.3 -0.05

```

```

NODE Vxx Vyy

```

```

MAX Cent -3848.4 502062.9

```

```

1086 -2775.7 500181.9
1078 -2775.7 503943.8

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1079 -4839.6 503943.8
 1087 -4839.6 500181.9
 MIN Cent -7622.5 351878.5
 1086 -6171.8 352198.0
 1078 -6171.8 351559.1
 1079 -9073.2 351559.1
 1087 -9073.2 352198.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1666	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-85.56
				1087	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-83.98
				1079	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-2.62
				1080	5986578.7	5986578.7	0.0	5986578.7	5986578.7	84.27
				1088	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-35.17
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-85.98
				1087	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-83.84
				1079	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-2.51
				1080	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	82.90
				1088	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-30.12

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-164638.5	-760339.0	-5212.0	-164592.9	-760384.6	-0.50
1087	-145096.2	-620419.9	-3480.8	-145069.2	-620446.9	-0.43
1079	-131280.7	-635140.4	-3055.9	-131259.1	-635162.0	-0.38
1080	-175225.4	-890875.6	-4053.6	-175202.4	-890898.6	-0.32
1088	-206951.7	-894920.1	-4335.3	-206924.3	-894947.4	-0.36
MIN Cent	-242364.6	-1156451.9	-9197.4	-242272.0	-1156544.4	-0.58
1087	-219657.8	-981871.3	-6086.8	-219609.2	-981919.9	-0.46
1079	-201297.5	-1011571.3	-5816.6	-201255.8	-1011613.1	-0.41
1080	-248510.6	-1312710.5	-7214.0	-248461.7	-1312759.4	-0.39
1088	-299992.4	-1319654.4	-7484.1	-299937.5	-1319709.3	-0.42

NODE	Vxx	Vyy
MAX Cent	-6883.8	574373.9
1087	-4839.6	587162.0
1079	-4839.6	561585.7
1080	-8928.0	561585.7
1088	-8928.0	587162.0
MIN Cent	-11149.1	402449.8
1087	-9073.2	414452.5
1079	-9073.2	390447.1
1080	-14465.3	390447.1
1088	-14465.3	414452.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1667	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-7.36
				1089	5986578.7	5986578.7	0.0	5986578.7	5986578.7	1.57
				1081	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-45.00
				1082	5986578.7	5986578.7	0.0	5986578.7	5986578.7	32.37
				1090	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-82.08
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-7.36
				1089	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	1.82
				1081	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-18.32
				1082	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	31.23
				1090	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-81.81
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	-6459.7	20106.2	10909.3	24011.9	-10365.4	70.30
				1089	-30186.4	-124179.2	19859.1	-29827.5	-127062.5	1.61
				1081	-4259.4	-8719.0	1525.2	-3787.7	-9190.8	17.19
				1082	22656.4	131157.6	7306.0	131647.4	22166.6	86.17
				1090	-7353.1	82165.3	25429.2	87238.2	-12426.0	76.96
				MIN Cent	-84537.6	-591185.4	3539.1	-84486.7	-591236.3	0.57
				1089	-46369.7	-772121.1	12733.2	-45796.8	-772613.0	1.65
				1081	-177801.8	-728285.6	-5608.4	-177744.7	-728342.7	-0.58
				1082	-105113.7	-415562.7	-944.2	-105110.8	-415565.6	-0.17
				1090	-11901.6	-448772.1	16538.4	-10307.9	-450040.3	3.60
				NODE	Vxx	Vyy				
				MAX Cent	35098.3	-264780.8				
				1089	41133.4	-316913.7				
				1081	41133.4	-212647.8				
				1082	29063.2	-212647.8				
				1090	29063.2	-316913.7				
				MIN Cent	-4294.3	-486134.3				
				1089	-2752.3	-505106.5				
				1081	-2752.3	-471461.0				
				1082	-5836.3	-471461.0				
				1090	-5836.3	-505106.5				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1668	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-45.00
				1090	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-86.56
				1082	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-6.19
				1083	5986578.7	5986578.7	0.0	5986578.7	5986578.7	12.45
				1091	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-45.00
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-36.70
				1090	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-86.63

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1082 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -6.57
 1083 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 12.31
 1091 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -29.98

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 15523.5 176945.0 17894.4 178904.9 13563.6 83.75
 1090 -8701.2 73530.4 41825.4 84799.4 -20349.1 70.89
 1082 24400.4 139877.9 4305.8 140038.2 24240.1 87.87
 1083 45557.8 255633.5 6880.9 255858.6 45332.7 88.13
 1091 1215.8 238738.1 45446.5 243816.7 -3862.8 81.77
 MIN Cent -40373.0 -293668.9 9928.6 -39693.8 -294348.0 2.96
 1090 -12776.4 -451418.8 27498.6 -8510.7 -454924.0 5.83
 1082 -104095.8 -410473.3 -6030.7 -103977.1 -410592.0 -1.13
 1083 -43361.7 -146872.9 -2733.0 -43289.6 -146945.0 -1.51
 1091 -2394.8 -165910.4 30014.2 8080.9 -176396.7 14.03

NODE Vxx Vyy

MAX Cent 20996.3 -217142.6
 1090 29063.2 -257954.3
 1082 29063.2 -176330.9
 1083 12929.4 -176330.9
 1091 12929.4 -257954.3
 MIN Cent -8832.6 -423034.0
 1090 -5836.3 -448494.3
 1082 -5836.3 -397573.7
 1083 -11828.8 -397573.7
 1091 -11828.8 -448494.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1669 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 39.78
 1091 5986578.7 5986578.7 0.0 5986578.7 5986578.7 88.53
 1083 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -1.14
 1601 5986578.7 5986578.7 0.0 5986578.7 5986578.7 17.75
 1611 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -11.37
 MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 41.14
 1091 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 88.33
 1083 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -0.65
 1601 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 15.43
 1611 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -11.48

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 28488.0 301348.5 21676.6 302890.1 26946.4 85.71
 1091 -922.6 228046.5 48223.5 233245.2 -6121.3 81.53
 1083 47496.2 265325.5 8740.0 265675.6 47146.1 87.71

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1601 62550.9 354799.2 9258.5 355092.2 62257.9 88.19
1611 4827.3 357222.9 49994.8 360745.6 1304.5 84.32
MIN Cent -9631.1 -39369.1 14128.1 -389.7 -48610.5 25.96
1091 -3770.7 -172129.4 31907.6 7879.1 -183664.9 14.43
1083 -41711.8 -138623.2 -774.7 -41705.6 -138629.4 -0.46
1601 4308.3 78083.5 881.0 78094.2 4297.6 89.31
1611 1952.6 75192.8 33149.3 97849.5 -20737.2 64.28

```

NODE Vxx Vyy

```

MAX Cent 6289.7 -169564.5
1091 12929.4 -202422.6
1083 12929.4 -136706.3
1601 -350.1 -136706.3
1611 -350.1 -202422.6
MIN Cent -14318.8 -358588.7
1091 -11828.8 -389094.6
1083 -11828.8 -328082.8
1601 -16808.7 -328082.8
1611 -16808.7 -389094.6

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1670 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -39.86
1611 5986578.7 5986578.7 0.0 5986578.7 5986578.7 1.81
1601 5986578.7 5986578.7 0.0 5986578.7 5986578.7 88.66
1602 5986578.7 5986578.7 0.0 5986578.7 5986578.7 40.92
1612 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -89.55
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -33.06
1611 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 2.08
1601 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 88.50
1602 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 38.08
1612 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 89.33

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 36934.6 394093.4 23964.4 395207.1 35820.9 86.81
1611 2583.1 346001.5 47606.7 348848.3 -263.8 84.82
1601 64309.2 363591.0 11453.0 364028.6 63871.6 87.81
1602 74139.6 426575.7 10620.8 426895.4 73819.9 88.28
1612 6706.3 440205.4 47736.1 442349.8 4561.9 85.99
MIN Cent 11607.2 153377.8 15769.8 155110.8 9874.3 83.73
1611 527.2 66004.3 31396.9 88631.4 -22362.3 63.49
1601 6276.5 87924.6 3818.5 88109.6 6091.5 87.28
1602 31810.0 211926.1 3873.6 212025.9 31710.2 88.65
1612 4167.8 218681.0 30564.7 223248.7 -1730.2 81.78

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

MAX Cent -5039.7 -122059.3

1611 -350.1 -147642.0
1601 -350.1 -96476.6
1602 -8372.3 -96476.6
1612 -8372.3 -147642.0

MIN Cent -18534.2 -293129.8

1611 -16808.7 -323615.7
1601 -16808.7 -262643.8
1602 -20259.8 -262643.8
1612 -20259.8 -323615.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1671 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 43.77

1612 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -45.00
1602 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -37.32
1603 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -6.70
1613 5986578.7 5986578.7 0.0 5986578.7 5986578.7 89.62

MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 43.74

1612 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -36.69
1602 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -33.33
1603 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -6.76
1613 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 89.38

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 42176.0 455692.4 23016.9 456402.0 41466.4 87.63

1612 4658.0 429963.8 42366.6 431402.1 3219.8 86.68
1602 75500.0 433377.4 12421.1 433808.0 75069.4 88.01
1603 80976.1 470055.7 10718.3 470350.8 80681.1 88.42
1613 8328.5 489372.6 41170.9 490474.9 6467.4 87.26

MIN Cent 22561.3 261927.5 15204.7 262889.4 21599.4 86.38

1612 2603.8 210860.9 24774.4 214553.4 -2448.2 82.48
1602 33186.0 218805.7 6291.3 219018.7 32973.0 88.06
1603 48865.1 302217.7 5211.0 302337.6 48745.1 88.75
1613 5590.5 315825.7 23071.6 318192.0 3224.1 85.03

NODE Vxx Vyy

MAX Cent -10827.3 -74635.5

1612 -8372.3 -93010.6
1602 -8372.3 -56260.4
1603 -13282.3 -56260.4
1613 -13282.3 -93010.6

MIN Cent -21286.4 -226940.0

1612 -20259.8 -253870.7
1602 -20259.8 -200009.2
1603 -22313.1 -200009.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1613 -22313.1 -253870.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1672	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	4.13
				1613	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-0.46
				1603	5986578.7	5986578.7	0.0	5986578.7	5986578.7	29.26
				1604	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-81.94
				1614	5986578.7	5986578.7	0.0	5986578.7	5986578.7	66.97
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	0.04
				1613	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-0.38
				1603	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	25.69
				1604	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-81.30
				1614	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	66.70

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	44780.6	486514.1	19565.2	486891.6	44312.0	88.33
1613	6114.4	481165.2	33842.1	481727.9	5365.5	88.03
1603	81814.3	474246.8	12058.1	474616.9	81444.2	88.24
1604	89383.7	517726.5	9840.1	517883.3	89227.0	88.90
1614	9555.8	544848.5	31656.6	546677.0	7727.2	86.66
MIN Cent	30208.9	340436.9	12920.3	340975.6	29670.3	87.62
1613	4128.3	308514.6	16362.3	310127.5	2515.4	85.85
1603	50009.9	307942.0	7149.9	308140.0	49811.9	88.41
1604	60270.4	363875.7	5101.2	363982.8	60163.3	88.92
1614	6427.2	381415.4	14144.3	382562.0	5280.5	86.84

NODE Vxx Vyy

MAX Cent	-14921.7	-27335.4
1613	-13282.3	-38482.4
1603	-13282.3	-16188.3
1604	-16561.2	-16188.3
1614	-16561.2	-38482.4
MIN Cent	-22655.8	-160223.8
1613	-22313.1	-181201.9
1603	-22313.1	-139245.7
1604	-24618.2	-139245.7
1614	-24618.2	-181201.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1673	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	86.10
				1614	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-5.59
				1604	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-3.64
				1084	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-19.12

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1092 5986578.7 5986578.7 0.0 5986578.7 5986578.7 86.96
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 85.63
1614 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -5.11
1604 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -2.93
1084 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -11.57
1092 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 86.14

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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```

MAX Cent 51841.1 557115.9 14338.6 557507.2 51449.9 88.41
1614 7786.1 536000.1 23056.1 536974.4 6898.6 87.54
1604 90624.9 523932.5 10844.8 524161.2 90396.2 88.68
1084 98884.9 569786.4 8397.9 569893.1 98778.2 89.14
1092 10068.7 598744.7 20212.3 599412.6 9400.8 88.07
MIN Cent 34867.7 388959.2 7956.1 389212.6 34614.3 88.47
1614 5250.0 375529.6 7043.4 376130.9 4648.7 87.69
1604 61057.4 367810.7 6613.0 367969.3 60898.7 88.70
1084 66393.0 396827.6 3932.5 396906.0 66314.6 89.12
1092 6770.4 415669.0 4596.5 416084.8 6354.6 88.17

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NODE Vxx Vyy

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MAX Cent -17433.2 19780.6
1614 -16561.2 15774.1
1604 -16561.2 23787.1
1084 -18305.3 23787.1
1092 -18305.3 15774.1
MIN Cent -25969.0 -93159.5
1614 -24618.2 -106647.2
1604 -24618.2 -79671.7
1084 -27319.8 -79671.7
1092 -27319.8 -106647.2

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

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```

1674 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -50.11
1092 5986578.7 5986578.7 0.0 5986578.7 5986578.7 75.38
1084 5986578.7 5986578.7 0.0 5986578.7 5986578.7 20.32
1605 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -4.07
1615 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -81.38
MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -48.88
1092 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 74.80
1084 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 20.34
1605 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -4.61
1615 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -80.39

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 54849.3 588335.4 8048.4 588447.5 54737.2 89.17
  1092 8926.7 593009.6 10899.0 593198.5 8788.9 88.97
  1084 99470.9 572716.5 9225.1 572868.8 99318.7 88.97
  1605 101046.9 580076.5 6796.7 580134.9 100988.5 89.37
  1615 9958.2 607539.0 7718.0 607628.2 9868.3 89.30
MIN Cent 36705.6 407558.2 2808.5 407634.2 36629.6 89.18
  1092 5998.2 411808.3 -2501.3 411920.5 5886.1 89.05
  1084 66744.3 398584.1 5141.9 398696.8 66631.5 88.94
  1605 67398.6 400993.4 2160.7 401041.6 67350.3 89.31
  1615 6681.4 418847.0 -4929.7 418899.3 6629.1 89.35

```

NODE Vxx Vyy

```

MAX Cent -18434.8 66630.2
  1092 -18305.3 69460.7
  1084 -18305.3 63799.6
  1605 -18564.3 63799.6
  1615 -18564.3 69460.7
MIN Cent -27604.8 -25921.2
  1092 -27319.8 -31070.1
  1084 -27319.8 -20772.3
  1605 -27889.8 -20772.3
  1615 -27889.8 -31070.1

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1675 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 5.75
  1615 5986578.7 5986578.7 0.0 5986578.7 5986578.7 1.63
  1605 5986578.7 5986578.7 0.0 5986578.7 5986578.7 76.51
  1606 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -19.70
  1616 5986578.7 5986578.7 -0.0 5986578.7 5986578.7 -85.43
MIN Cent -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 6.49
  1615 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 1.73
  1605 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 74.26
  1606 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -20.09
  1616 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -86.50

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 54027.0 576757.1 1595.1 576760.5 54023.6 -89.85
  1615 9558.3 605352.9 -1765.6 605361.2 9535.1 -89.79
  1605 100928.4 579483.9 7600.4 579572.6 100839.7 89.22
  1606 96615.4 552082.4 5416.4 552083.0 96615.3 89.93
  1616 9297.1 574469.7 -3873.5 574544.0 9252.5 -89.34
MIN Cent 35784.8 396312.6 -2020.3 396315.0 35782.5 89.85
  1615 6370.8 417294.1 -11674.8 417301.7 6363.2 -89.75
  1605 67283.5 400417.8 3242.6 400490.6 67210.7 89.15
  1606 61755.9 354745.8 230.4 354845.9 61655.8 88.94
  1616 5897.2 366533.9 -13858.7 367065.7 5365.4 -87.80

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	-17954.5	113113.2
1615	-18564.3	122187.3
1605	-18564.3	104039.0
1606	-16811.0	104039.0
1616	-16811.0	122187.3
MIN Cent	-27212.8	39005.4
1615	-27889.8	41154.4
1605	-27889.8	36856.3
1606	-26557.0	36856.3
1616	-26557.0	41154.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1676	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-62.59
				1616	5986578.7	5986578.7	0.0	5986578.7	5986578.7	0.00
				1606	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-88.70
				1085	5986578.7	5986578.7	0.0	5986578.7	5986578.7	79.79
				1093	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-89.19
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-57.24
				1616	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-0.02
				1606	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-89.00
				1085	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	77.74
				1093	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-89.25

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	49527.4	527688.3	-3230.8	527800.1	49404.0	-89.12
1616	9614.5	576807.0	-10047.6	577238.8	9172.8	-88.42
1606	95863.6	548386.1	6334.7	548392.8	95859.0	89.78
1085	84693.0	484994.5	4607.3	484997.9	84687.6	-89.83
1093	8118.5	500565.6	-11945.6	501264.4	7510.9	-87.84
MIN Cent	28917.8	307334.8	-7678.3	307466.6	28786.1	-88.75
1616	6348.1	369039.0	-19911.8	370129.0	5308.2	-86.87
1606	60418.8	348060.8	1387.9	348200.2	60279.4	88.74
1085	44276.0	253280.4	-1470.1	253381.9	44174.5	88.74
1093	4578.3	258959.2	-21639.2	260786.8	2750.6	-85.17

NODE	Vxx	Vyy

MAX Cent	-14301.2	159112.2
1616	-16811.0	173471.8
1606	-16811.0	144752.7
1085	-11791.4	144752.7
1093	-11791.4	173471.8
MIN Cent	-24805.8	85076.3

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1616 -26557.0 92690.4
1606 -26557.0 77462.3
1085 -23054.5 77462.3
1093 -23054.5 92690.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1677	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	2.64
				1093	5986578.7	5986578.7	0.0	5986578.7	5986578.7	89.51
				1085	5986578.7	5986578.7	0.0	5986578.7	5986578.7	0.98
				1607	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-76.53
				1617	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-10.58
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	2.87
				1093	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	89.22
				1085	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	1.11
				1607	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-74.79
				1617	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-8.81

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	40840.4	435700.7	-6682.7	436107.7	40408.4	-88.16
1093	9049.5	505939.5	-17542.4	507400.0	7628.1	-86.90
1085	83349.3	478324.9	5755.5	478325.1	83349.3	89.96
1607	64694.3	375830.8	4681.9	375844.0	64676.5	-89.63
1617	6457.2	382707.5	-19026.4	384974.5	4312.6	-85.58
MIN Cent	17935.2	188144.6	-13048.0	188603.5	17476.2	-87.03
1093	5411.1	263123.6	-27418.4	265851.4	2683.3	-84.16
1085	42605.9	244929.7	-26.2	245093.3	42442.3	88.37
1607	20756.9	122749.6	-2342.3	122964.1	20542.5	87.38
1617	2966.7	121775.5	-29734.5	127928.0	-3185.8	-77.49

NODE Vxx Vyy

MAX Cent	-8436.2	204491.3
1093	-11791.4	222712.6
1085	-11791.4	186269.9
1607	-5081.0	186269.9
1617	-5081.0	222712.6
MIN Cent	-20154.7	130822.4
1093	-23054.5	143122.0
1085	-23054.5	118522.9
1607	-17254.9	118522.9
1617	-17254.9	143122.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1678	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-61.80

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1617	5986578.7	5986578.7	0.0	5986578.7	5986578.7	85.82
1607	5986578.7	5986578.7	0.0	5986578.7	5986578.7	8.24
1608	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-88.54
1618	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-88.35
MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-57.02
1617	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	85.11
1607	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	8.29
1608	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-88.16
1618	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-88.53

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	27709.6	300755.2	-8994.4	301739.4	26725.4	-86.57
1617	7809.5	390234.0	-23691.5	393673.3	4425.4	-84.61
1607	62902.5	366903.8	6141.1	366903.9	62901.7	-89.96
1608	35998.1	224395.5	5891.0	224409.6	35983.9	-89.50
1618	4345.0	221487.5	-24571.6	227897.1	-1951.0	-80.39
MIN Cent	3577.3	39760.9	-16765.2	42328.4	1009.8	-75.57
1617	3927.9	126581.5	-36848.2	134127.9	-3618.6	-76.46
1607	18931.8	113623.9	-508.3	114020.5	18535.2	86.30
1608	-9656.2	-36964.0	-1932.5	-8439.5	-38180.6	11.67
1618	1105.6	-44197.6	-38272.5	17330.5	-60422.5	-27.18

NODE Vxx Vyy

MAX Cent	-777.8	249796.9
1617	-5081.0	273628.2
1607	-5081.0	229054.5
1608	3525.4	229054.5
1618	3525.4	273628.2
MIN Cent	-13131.3	176098.9
1617	-17254.9	191777.0
1607	-17254.9	160420.9
1608	-9020.5	160420.9
1618	-9020.5	191777.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1679	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	1.58
1618	5986578.7	5986578.7	0.0	5986578.7	5986578.7	89.11				
1608	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-0.66				
1609	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-87.40				
1619	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-1.38				
MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	0.55				
1618	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	89.00				
1608	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-0.93				
1609	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-87.16				
1619	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-1.66				

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	9722.7	123060.0	-9077.3	125818.0	6964.7	-81.24
1618	5850.6	229847.0	-27935.2	237876.3	-2178.7	-79.46
1608	33975.5	214282.4	7684.1	214285.0	33972.8	89.78
1609	-2546.1	30302.1	8364.6	30306.7	-2550.7	89.32
1619	1808.7	17808.7	-28056.0	53919.6	-34500.1	-50.28
MIN Cent	-14629.4	-137429.1	-18195.2	-13962.0	-138096.4	-4.20
1618	1937.6	-40037.7	-43540.5	20440.6	-58540.8	-28.95
1608	-11408.9	-45727.5	403.0	-9767.0	-47369.4	12.06
1609	-48112.6	-226240.8	128.0	-47720.7	-226632.8	2.68
1619	-933.5	-237710.2	-43815.6	3518.5	-242162.3	-7.74

NODE	Vxx	Vyy

MAX Cent	8905.8	314850.9
1618	3525.4	341410.0
1608	3525.4	288291.8
1609	14286.2	288291.8
1619	14286.2	341410.0
MIN Cent	-3549.3	220742.9
1618	-9020.5	237800.8
1608	-9020.5	203685.0
1609	1921.9	203685.0
1619	1921.9	237800.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1680	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	62.44
				1619	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-2.02
				1609	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-0.78
				1610	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-65.28
				1620	5986578.7	5986578.7	0.0	5986578.7	5986578.7	4.79
				MIN Cent	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	59.80
				1619	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-1.79
				1609	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-1.27
				1610	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-47.69
				1620	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	5.06

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-13662.0	-96725.2	-5967.8	-10637.6	-99749.6	-10.62
1619	3136.3	25299.6	-29725.1	61829.7	-33413.5	-51.74
1609	-4523.9	20412.7	10382.5	20811.0	-4922.3	82.85
1610	-47226.7	-183533.2	11959.1	-46976.8	-183783.1	2.45
1620	-979.6	-193417.6	-29012.7	7395.6	-197696.5	-10.95
MIN Cent	-37309.5	-342918.6	-16800.2	-37193.0	-343035.1	-1.12
1619	-526.0	-235672.3	-46631.6	3887.9	-240086.2	-7.73

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1609 -49522.9 -233292.4 2924.7 -48938.2 -233877.1 3.22
 1610 -96233.4 -446053.9 3926.7 -95825.0 -446462.3 1.96
 1620 -2955.8 -456655.7 -45593.1 -855.4 -458756.1 -3.88

NODE Vxx Vyy

MAX Cent 20917.1 378772.3

1619 14286.2 404025.1
 1609 14286.2 353519.5
 1610 27547.9 353519.5
 1620 27547.9 404025.1

MIN Cent 8772.7 264559.0

1619 1921.9 280010.4
 1609 1921.9 249107.6
 1610 13925.6 249107.6
 1620 13925.6 280010.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1681 3 1 env SL~1 MAX Cent 5986578.7 5986578.7 0.0 5986578.7 5986578.7 30.14

1620 5986578.7 5986578.7 0.0 5986578.7 5986578.7 63.79
 1610 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -3.60
 1086 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -88.53
 1094 5986578.7 5986578.7 0.0 5986578.7 5986578.7 -9.71

MIN Cent -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 24.91

1620 -1282721.3 -1282721.3 0.0 -1282721.3 -1282721.3 60.12
 1610 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -4.24
 1086 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -88.51
 1094 -1282721.3 -1282721.3 -0.0 -1282721.3 -1282721.3 -9.19

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -36427.2 -289711.4 -899.1 -36301.1 -289837.5 -1.28

1620 -305.5 -191850.9 -28218.9 8337.8 -196007.9 -11.04
 1610 -48203.0 -188414.6 13840.6 -47786.3 -188831.4 3.12
 1086 -93349.7 -385881.0 15970.2 -93067.5 -386163.2 1.78
 1094 -3489.7 -392699.2 -26089.3 -1617.3 -394571.6 -3.96

MIN Cent -65307.5 -576009.0 -12348.2 -65305.9 -576010.6 -0.10

1620 -3258.6 -458169.6 -45172.7 -1514.8 -459913.4 -3.54
 1610 -97017.2 -449973.1 6669.6 -96475.3 -450515.0 2.24
 1086 -155806.5 -698502.2 8830.4 -155336.9 -698971.7 1.68
 1094 -5325.3 -697391.3 -42875.8 -4165.8 -698373.1 -2.16

NODE Vxx Vyy

MAX Cent 35494.6 441227.3

1620 27547.9 459170.3
 1610 27547.9 423284.3

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1086 43441.4 423284.3
1094 43441.4 459170.3
MIN Cent 20134.0 307303.3
1620 13925.6 316668.7
1610 13925.6 297938.0
1086 26342.5 297938.0
1094 26342.5 316668.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1682	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	0.0	5986578.7	5986578.7	81.78
				1094	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-0.39
				1086	5986578.7	5986578.7	0.0	5986578.7	5986578.7	66.45
				1087	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-87.41
				1095	5986578.7	5986578.7	0.0	5986578.7	5986578.7	3.96
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	79.45
				1094	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-0.15
				1086	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	60.11
				1087	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-87.19
				1095	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	3.68

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-64165.1	-504450.3	5238.1	-64162.6	-504452.8	-0.14
1094	-3781.1	-394155.9	-20576.1	-2360.0	-395577.1	-3.45
1086	-93801.1	-388137.6	16291.3	-93484.9	-388453.7	1.88
1087	-152908.2	-622713.9	17979.4	-152636.3	-622985.7	1.38
1095	-6106.4	-612793.8	-18888.0	-5377.2	-613586.6	-2.07
MIN Cent	-99946.4	-835694.0	-5096.9	-99909.2	-835731.3	0.41
1094	-6336.4	-703335.2	-37875.8	-5729.5	-703942.1	-1.69
1086	-155737.7	-698158.6	9651.2	-155248.9	-698647.5	1.72
1087	-231605.2	-988536.0	11304.4	-231178.3	-988962.8	1.36
1095	-10415.5	-952746.1	-34960.6	-8937.2	-953122.8	-2.43

NODE	Vxx	Vyy
MAX Cent	53245.6	501660.7
1094	43441.4	503139.5
1086	43441.4	500181.9
1087	63049.9	500181.9
1095	63049.9	503139.5
MIN Cent	34071.5	348565.6
1094	26342.5	344933.3
1086	26342.5	352198.0
1087	41800.5	352198.0
1095	41800.5	344933.3

AUTOSTRADA VALDASTICO A31 NORD
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ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1683	3	1	env SL~1	MAX Cent	5986578.7	5986578.7	-0.0	5986578.7	5986578.7	-53.90
				1095	5986578.7	5986578.7	0.0	5986578.7	5986578.7	1.23
				1087	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-0.33
				1088	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-89.90
				1096	5986578.7	5986578.7	0.0	5986578.7	5986578.7	-87.05
				MIN Cent	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-39.10
				1095	-1282721.3	-1282721.3	0.0	-1282721.3	-1282721.3	1.46
				1087	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-0.16
				1088	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	89.83
				1096	-1282721.3	-1282721.3	-0.0	-1282721.3	-1282721.3	-87.48
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	-101159.9	-746222.6	8066.8	-101152.5	-746230.1	0.19
				1095	-6930.2	-616595.2	-7444.1	-6720.8	-616804.6	-1.06
				1087	-152755.8	-621951.8	13491.1	-152642.8	-622064.9	0.89
				1088	-219850.9	-897499.9	12392.8	-219760.7	-897590.1	0.66
				1096	-20744.8	-848843.5	-8542.4	-20683.6	-848984.2	-0.41
				MIN Cent	-144224.6	-1120426.1	798.2	-144157.9	-1120492.8	0.47
				1095	-11139.7	-961653.9	-18813.2	-10716.7	-961712.0	-1.30
				1087	-230714.5	-984082.7	7283.3	-230473.0	-984324.2	1.03
				1088	-317550.9	-1323166.1	7819.9	-317398.2	-1323318.8	0.71
				1096	-39861.0	-1212801.7	-17270.6	-39606.4	-1212862.9	-0.84
				NODE	Vxx	Vyy				
				MAX Cent	71192.1	559555.1				
				1095	63049.9	531948.3				
				1087	63049.9	587162.0				
				1088	79334.3	587162.0				
				1096	79334.3	531948.3				
				MIN Cent	47613.7	387957.0				
				1095	41800.5	361461.5				
				1087	41800.5	414452.5				
				1088	53427.0	414452.5				
				1096	53427.0	361461.5				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1684	3	2	env SL~1	MAX Cent	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-54.04
				2099	6046444.5	6046444.5	0.0	6046444.5	6046444.5	42.14
				1089	6046444.5	6046444.5	0.0	6046444.5	6046444.5	42.04
				1090	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-45.19
				2100	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-43.36
				MIN Cent	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-89.99
				2099	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	41.90

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```

1089 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 41.93
1090 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -45.26
2100 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -43.31

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 111.2 -16764.2 8121.1 235.9 -16889.0 4.90
2099 -75.8 -119089.0 28195.1 937.2 -119541.0 2.06
1089 -208.3 -118608.1 27788.8 675.5 -119031.1 2.03
1090 303.5 84449.0 -9349.5 85475.4 -722.8 -83.74
2100 643.5 86191.1 -9095.9 87147.6 -312.9 -84.00
MIN Cent -91.7 -622429.5 1456.1 14.2 -622535.4 0.75
2099 -262.3 -783355.2 7342.3 189.6 -784368.8 3.52
1089 -356.3 -783670.8 7088.6 182.9 -784655.3 3.41
1090 -287.4 -462954.2 -18444.4 368.9 -463686.7 -2.51
2100 248.2 -459737.6 -18038.6 746.2 -460442.2 -2.47

```

```

NODE   Vxx   Vyy
-----
MAX Cent 6231.5 -322582.1
2099 17665.9 -324282.2
1089 17665.9 -320882.0
1090 -877.5 -320882.0
2100 -877.5 -324282.2
MIN Cent 3411.1 -513755.9
2099 7699.6 -516080.4
1089 7699.6 -511431.3
1090 -5202.9 -511431.3
2100 -5202.9 -516080.4

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1685 3 2 env SL~1 MAX Cent 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -63.15
2100 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -46.70
1090 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -41.30
1091 6046444.5 6046444.5 0.0 6046444.5 6046444.5 54.47
2101 6046444.5 6046444.5 0.0 6046444.5 6046444.5 46.14
MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 85.08
2100 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -47.05
1090 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -40.86
1091 -1295548.5 -1295548.5 0.0 -1295548.5 -1295548.5 55.53
2101 -1295548.5 -1295548.5 0.0 -1295548.5 -1295548.5 46.05

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 153.6 161844.1 8965.5 162132.4 -248.5 87.58
2100 -283.5 77369.2 7762.6 78025.9 -1777.6 84.80
1090 279.1 78919.4 7401.2 79531.2 -1414.2 85.01

```

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```

1091  822.4 244435.7 -1807.8 244449.2  809.0 -89.57
2101 1259.9 246652.3 -1608.7 246662.8 1249.4 -89.62
MIN Cent  39.8 -316364.9 5880.8  307.3 -316604.3  1.97
2100 -1120.9 -462691.6 4956.0 -419.1 -462806.6  1.17
1090 -802.4 -460121.4 4710.6  92.7 -460225.6  1.13
1091  -23.9 -172970.6 -2953.6  19.2 -173013.7 -0.90
2101  530.3 -169676.0 -2591.5  570.4 -169708.8 -1.35

```

NODE Vxx Vyy

```

MAX Cent -740.0 -264042.6
2100 -877.5 -266900.9
1090 -877.5 -261184.3
1091  914.2 -261184.3
2101  914.2 -266900.9
MIN Cent -2144.4 -458551.9
2100 -5202.9 -462993.6
1090 -5202.9 -454110.2
1091  -602.5 -454110.2
2101  -602.5 -462993.6

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1686  3  2 env SL~1 MAX Cent 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -72.98
2101 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -46.53
1091 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -47.45
1611 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -41.98
2102 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -46.92
MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 88.81
2101 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -46.53
1091 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -47.46
1611 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -41.93
2102 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -47.18

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent  54.8 301004.0 7327.8 301071.5 -37.3 89.14
2101 -742.1 233997.4 -663.8 234021.6 -1295.3 -89.42
1091 -318.7 236116.5 -870.1 236143.8 -868.7 -89.39
1611  946.7 366103.6 3030.4 366128.7  921.6 89.52
2102 1286.5 367798.7 3183.5 367826.3 1258.8 89.50
MIN Cent  30.2 -49874.0 4506.9 1042.1 -50862.3  7.93
2101 -1271.1 -177611.0 -2389.8 -1150.1 -177617.7 -0.47
1091 -841.4 -174472.5 -2542.9 -533.8 -174483.8 -0.74
1611  409.0 74855.6 1481.9 74913.1  384.7 88.41
2102  800.3 77731.9 1688.1 77805.6  769.3 88.23

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
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```

-----
MAX Cent  348.8 -207851.0
  2101  914.2 -210744.7
  1091  914.2 -204957.3
  1611  77.8 -204957.3
  2102  77.8 -210744.7
MIN Cent  -262.3 -398533.2
  2101  -602.5 -403099.7
  1091  -602.5 -393966.7
  1611  -239.7 -393966.7
  2102  -239.7 -403099.7

```

```

ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
1687   3    2 env SL~1 MAX Cent 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -52.57
      2102 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -43.11
      1611 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -35.24
      1612 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -48.43
      2103 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -47.17
      MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 76.35
      2102 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -43.15
      1611 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -33.39
      1612 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -48.31
      2103 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -47.27

```

```

      NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
      MAX Cent  28.2 403913.1  6698.4 403949.1 -53.4  89.46
      2102 -919.4 354729.7 -2170.9 354763.3 -974.8 -89.44
      1611 -504.5 356592.4 -2337.5 356627.9 -567.5 -89.43
      1612  979.9 451528.0  4235.6 451566.9  941.0  89.47
      2103 1408.2 452802.4  4482.7 452843.2 1343.0  89.46
      MIN Cent -17.4 154701.6  3810.2 154829.9 -220.2  88.35
      2102 -1417.0 66542.2 -3455.8 66671.9 -1517.7 -87.50
      1611 -955.5 69562.9 -3563.6 69710.5 -991.0 -87.38
      1612  582.3 223362.9  2882.2 223400.1  545.0  89.26
      2103  915.8 225031.8  3048.8 225073.3  874.4  89.22

```

```

      NODE   Vxx   Vyy
-----

```

```

      MAX Cent  -47.1 -151871.9
      2102  77.8 -154253.1
      1611  77.8 -149490.8
      1612 -22.7 -149490.8
      2103 -22.7 -154253.1
      MIN Cent  -139.2 -331834.3
      2102 -239.7 -336000.6
      1611 -239.7 -327668.0
      1612 -172.0 -327668.0

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

2103 -172.0 -336000.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1688	3	2	env SL~1	MAX Cent	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-51.26
				2103	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-46.19
				1612	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-48.82
				1613	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-41.33
				2104	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-47.48
				MIN Cent	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	80.52
				2103	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-46.19
				1612	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-49.08
				1613	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-41.01
				2104	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-47.48

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	-5.6	472157.1	5512.3	472172.5	-46.3	89.67
2103	-950.7	440892.2	-3322.7	440938.5	-1001.6	-89.41
1612	-585.4	442385.6	-3449.0	442433.1	-640.0	-89.41
1613	965.1	502290.4	5630.9	502339.0	895.7	89.44
2104	1351.4	503060.3	5819.6	503110.1	1277.5	89.43
MIN Cent	-31.0	270345.1	2691.6	270394.4	-90.8	89.23
2103	-1451.9	215699.1	-4894.9	215750.0	-1532.5	-89.12
1612	-902.5	217524.4	-5083.6	217578.9	-988.9	-89.09
1613	630.0	323441.8	3821.5	323487.0	584.7	89.32
2104	883.9	324715.0	3947.7	324763.2	835.8	89.30

NODE Vxx Vyy

MAX Cent	-49.2	-95892.7
2103	-22.7	-97610.2
1612	-22.7	-94175.3
1613	-73.5	-94175.3
2104	-73.5	-97610.2
MIN Cent	-128.8	-260534.0
2103	-172.0	-264018.4
1612	-172.0	-257049.6
1613	-100.6	-257049.6
2104	-100.6	-264018.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1689	3	2	env SL~1	MAX Cent	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-54.26
				2104	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-38.02
				1613	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-35.27
				1614	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-48.26

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

2105 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -47.43
MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 85.04
2104 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -34.98
1613 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -33.91
1614 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -48.29
2105 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -47.61

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -21.7 506865.2 4127.0 506869.7 -42.4 89.83
2104 -844.7 493583.3 -4050.3 493634.3 -896.5 -89.42
1613 -549.1 494604.4 -4136.3 494655.8 -602.9 -89.42
1614 869.3 558585.0 6499.0 558660.8 793.8 89.33
2105 1124.1 559847.8 6629.3 559926.4 1045.7 89.32
MIN Cent -43.9 354170.2 1500.6 354190.9 -67.8 89.56
2104 -1287.7 316072.0 -5957.3 316123.7 -1367.1 -89.27
1613 -840.5 317546.4 -6087.6 317600.2 -923.1 -89.26
1614 571.3 391118.5 4411.9 391168.4 521.5 89.35
2105 715.0 391943.9 4497.8 391995.6 661.3 89.34

```

```

NODE Vxx Vyy
-----
MAX Cent -75.2 -39920.5
2104 -73.5 -40876.8
1613 -73.5 -38964.3
1614 -74.7 -38964.3
2105 -74.7 -40876.8
MIN Cent -102.4 -186084.9
2104 -100.6 -188698.9
1613 -100.6 -183470.9
1614 -105.8 -183470.9
2105 -105.8 -188698.9

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1690 3 2 env SL~1 MAX Cent 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -31.68
2105 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -45.65
1614 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -65.12
1092 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -44.63
2106 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -44.47
MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -28.39
2105 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -45.24
1614 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 89.97
1092 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -44.49
2106 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -44.42

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent  -32.6  582464.0  2567.1  582475.0  -39.2  89.75
  2105  -552.1  549463.9  -4533.5  549544.9  -605.7  -89.30
  1614  -433.6  551061.5  -4579.2  551144.1  -487.8  -89.30
  1092   664.9  614389.1   7012.2  614469.2   585.0   89.35
  2106   777.9  614941.7   7084.1  615023.4   696.4   89.34
MIN Cent  -50.3  406171.4   263.7  406178.0  -61.3  89.77
  2105  -983.0  385041.5  -6678.4  385094.8  -1063.8  -89.33
  1614  -659.4  386094.1  -6750.3  386148.3  -741.8  -89.32
  1092   435.8  426603.0   4754.3  426656.0   379.6   89.36
  2106   375.5  426946.9   4800.1  427000.9   319.7   89.36

```

NODE Vxx Vyy

```

MAX Cent  -78.2  15814.5
  2105  -74.7  15657.4
  1614  -74.7  15971.6
  1092  -81.7  15971.6
  2106  -81.7  15657.4
MIN Cent  -109.9 -109604.2
  2105  -105.8 -111225.9
  1614  -105.8 -107982.6
  1092  -113.9 -107982.6
  2106  -113.9 -111225.9

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1691  3  2 env SL~1 MAX Cent 6046444.5 6046444.5  0.0 6046444.5 6046444.5  67.39
      2106 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -45.37
      1092 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -44.96
      1615 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -47.62
      2107 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -39.50
MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -86.95
      2106 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -45.32
      1092 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -45.11
      1615 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -47.36
      2107 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -39.33

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent  -37.6  616246.0   911.5  616247.2  -38.2  89.92
  2106  -208.3  608280.1  -4796.2  608362.4  -263.3  -89.33
  1092  -213.7  609189.6  -4801.8  609272.1  -267.4  -89.33
  1615   398.1  623845.3   7207.4  623928.6   316.9   89.34
  2107   365.6  623669.0   7221.1  623752.6   282.1   89.34
MIN Cent  -58.1  426422.3  -972.2  426422.9  -59.4  89.93
  2106  -590.7  422472.4  -7079.6  422526.8  -672.8  -89.35
  1092  -404.3  423058.1  -7093.2  423112.5  -486.6  -89.35
  1615   200.7  430154.0   4876.6  430209.3   142.2   89.35
  2107    36.4  430004.8   4882.2  430060.2   -20.8   89.35

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	-81.4	70974.4
2106	-81.7	71618.3
1092	-81.7	70330.5
1615	-81.1	70330.5
2107	-81.1	71618.3
MIN Cent	-114.2	-32017.9
2106	-113.9	-32576.6
1092	-113.9	-31459.1
1615	-114.5	-31459.1
2107	-114.5	-32576.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1692	3	2	env SL~1	MAX Cent	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-25.91
				2107	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-48.63
				1615	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-37.83
				1616	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-45.97
				2108	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-43.87
				MIN Cent	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	5.07
				2107	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-49.12
				1615	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-36.97
				1616	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-45.84
				2108	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-43.82

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-37.1	604538.6	-620.2	604539.8	-38.0	-89.92
2107	113.6	621226.8	-4853.0	621309.9	58.0	-89.34
1615	34.7	621413.6	-4818.6	621495.6	-41.4	-89.34
1616	129.3	590245.2	7107.1	590329.6	49.0	89.31
2108	-40.5	589360.0	7062.7	589443.7	-96.9	89.32
MIN Cent	-58.0	415034.5	-2159.0	415035.4	-59.1	-89.91
2107	-166.1	428280.8	-7185.7	428335.8	-246.1	-89.35
1615	-135.3	428376.9	-7141.3	428431.1	-211.3	-89.36
1616	-39.7	377111.1	4793.1	377172.4	-118.5	89.27
2108	-266.1	375809.5	4710.0	375868.5	-325.1	89.28

NODE	Vxx	Vyy

MAX Cent	-79.0	125131.3
2107	-81.1	126545.4
1615	-81.1	123717.3
1616	-74.4	123717.3
2108	-74.4	126545.4
MIN Cent	-111.9	42077.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

2107 -114.5 42485.7
1615 -114.5 41669.7
1616 -109.6 41669.7
2108 -109.6 42485.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1693 3 2 env SL~1 MAX Cent 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -48.76
2108 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -43.35
1616 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -42.94
1093 6046444.5 6046444.5 0.0 6046444.5 6046444.5 40.26
2109 6046444.5 6046444.5 0.0 6046444.5 6046444.5 51.76
MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -86.69
2108 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -43.27
1616 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -42.94
1093 -1295548.5 -1295548.5 0.0 -1295548.5 -1295548.5 39.29
2109 -1295548.5 -1295548.5 0.0 -1295548.5 -1295548.5 53.60

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -26.1 552943.5 -1728.5 552954.3 -39.2 -89.75
2108 399.1 592220.7 -4616.3 592302.9 321.1 -89.32
1616 289.8 591688.2 -4477.7 591768.3 209.6 -89.33
1093 -72.2 514714.0 6718.2 514800.9 -131.4 89.26
2109 -290.6 513151.2 6617.0 513235.8 -348.1 89.26
MIN Cent -50.0 322218.4 -3251.6 322251.2 -61.0 -89.42
2108 158.2 379027.1 -6998.0 379083.3 103.2 -89.30
1616 79.9 377960.4 -6895.9 378013.5 26.6 -89.32
1093 -283.8 266807.9 4253.9 266875.6 -370.7 89.09
2109 -601.2 265078.3 4115.3 265142.0 -685.9 89.11

NODE Vxx Vyy

MAX Cent -66.1 177766.1
2108 -74.4 179888.2
1616 -74.4 175643.9
1093 -57.8 175643.9
2109 -57.8 179888.2
MIN Cent -103.7 94977.5
2108 -109.6 96104.0
1616 -109.6 93851.0
1093 -97.9 93851.0
2109 -97.9 96104.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1694 3 2 env SL~1 MAX Cent 6046444.5 6046444.5 0.0 6046444.5 6046444.5 -42.24

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

2109	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-45.54
1093	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-43.81
1617	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-46.63
2110	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-44.15
MIN Cent	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	23.96
2109	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-45.54
1093	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-43.89
1617	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-46.55
2110	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-44.06

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-8.1	455974.2	-2756.5	456008.9	-45.4	-89.50
2109	739.4	519644.6	-3984.4	519726.1	657.8	-89.28
1093	489.8	518411.6	-3806.7	518489.5	411.8	-89.30
1617	-178.7	394006.5	6047.6	394098.4	-242.8	89.13
2110	-478.1	391834.0	5889.0	391921.8	-539.0	89.14
MIN Cent	-34.4	197283.0	-4199.7	197372.4	-97.5	-88.78
2109	375.1	270303.6	-6512.3	270362.5	320.3	-89.15
1093	202.2	268778.1	-6353.7	268832.0	150.0	-89.19
1617	-461.4	126065.4	3504.6	126162.6	-553.5	88.41
2110	-900.4	123984.8	3326.9	124073.6	-988.3	88.47

NODE	Vxx	Vyy

MAX Cent	-42.4	228238.2
2109	-57.8	230975.1
1093	-57.8	225501.3
1617	-27.0	225501.3
2110	-27.0	230975.1
MIN Cent	-87.0	146707.2
2109	-97.9	148500.3
1093	-97.9	144914.1
1617	-76.4	144914.1
2110	-76.4	148500.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1695	3	2	env SL~1	MAX Cent	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-66.82
				2110	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-41.01
				1617	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-41.81
				1618	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-42.96
				2111	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-48.78
				MIN Cent	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	88.84
				2110	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-40.13
				1617	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-41.27
				1618	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-42.79
				2111	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-49.00

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	15.6	313699.9	-3663.0	313791.0	-72.7	-89.02
2110	962.2	400950.8	-3126.0	401032.1	880.8	-89.18
1617	582.7	399069.1	-2910.1	399144.9	506.9	-89.21
1618	-137.1	228730.2	5056.6	228840.6	-286.1	88.74
2111	-568.6	226049.4	4841.3	226151.7	-645.4	88.78
MIN Cent	-11.0	41825.5	-5389.5	42406.7	-565.7	-83.32
2110	509.2	130055.3	-5711.0	130130.8	453.6	-88.62
1617	209.8	128136.5	-5495.6	128202.6	143.6	-88.70
1618	-520.4	-44278.9	2534.2	7.9	-44423.9	3.28
2111	-1060.6	-46611.1	2318.3	-487.2	-46727.6	2.88

NODE	Vxx	Vyy

MAX Cent	-26.7	280535.0
2110	-27.0	284015.5
1617	-27.0	277054.5
1618	-26.4	277054.5
2111	-26.4	284015.5
MIN Cent	-69.7	196553.9
2110	-76.4	198929.4
1617	-76.4	194178.3
1618	-63.2	194178.3
2111	-63.2	198929.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1696	3	2	env SL~1	MAX Cent	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-72.40
				2111	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-46.09
				1618	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-45.35
				1619	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-44.56
				2112	6046444.5	6046444.5	0.0	6046444.5	6046444.5	45.12
				MIN Cent	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-86.52
				2111	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-46.06
				1618	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-45.55
				1619	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-44.32
				2112	-1295548.5	-1295548.5	0.0	-1295548.5	-1295548.5	45.40

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	39.0	126667.6	-4366.2	126993.6	-304.3	-87.10
2111	1018.6	236274.9	-2060.4	236363.7	929.5	-88.89
1618	526.9	233831.5	-1807.9	233911.0	447.2	-88.94
1619	62.1	19810.9	3834.2	20496.7	-1100.0	79.74
2112	-429.5	16753.3	3563.2	17425.6	-1697.4	79.19
MIN Cent	16.5	-143237.0	-6472.9	246.2	-143444.2	-2.18
2111	483.6	-41174.2	-4592.6	585.3	-41275.8	-2.82

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1618  39.8 -43394.3 -4321.6  114.9 -43469.5  -2.38
1619 -425.8 -242956.1 1449.9   70.8 -242964.8   0.34
2112 -1039.7 -245423.2 1197.4  -493.7 -245429.1   6.02
    
```

```

NODE   Vxx   Vyy
    
```

```

MAX Cent  78.0 349879.0
    
```

```

2111  -26.4 354072.9
1618  -26.4 345685.0
1619  182.5 345685.0
2112  182.5 354072.9
    
```

```

MIN Cent  2.2 243619.8
    
```

```

2111  -63.2 246461.1
1618  -63.2 240778.5
1619   53.9 240778.5
2112   53.9 246461.1
    
```

```

ELEM  MAT  SEC  LC  NODE  Fxx  Fyy  Fxy  Fmax  Fmin  ANGLE
    
```

```

1697  3  2 env SL~1 MAX Cent 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -51.52
    
```

```

2112 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -46.09
1619 6046444.5 6046444.5 -0.0 6046444.5 6046444.5 -45.96
1620 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -44.17
2113 6046444.5 6046444.5  0.0 6046444.5 6046444.5 -43.61
    
```

```

MIN Cent -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -77.54
    
```

```

2112 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -46.30
1619 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -46.03
1620 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -44.18
2113 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -43.67
    
```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
    
```

```

MAX Cent  78.4 -103607.6 -4945.9  574.4 -104095.2  -4.00
    
```

```

2112  866.5 26150.3 -747.2 26496.5  508.2 -83.37
1619  281.7 23247.1 -460.3 23551.0 -30.9 -83.48
1620  452.7 -197481.9 1866.9  452.7 -197488.1 -0.01
2113  -43.6 -199664.5 1542.1 -43.4 -199668.4 -0.04
    
```

```

MIN Cent  45.8 -356286.3 -7352.3  171.4 -356379.3  -0.93
    
```

```

2112  195.7 -242296.9 -3004.2  198.0 -242299.2 -0.18
1619 -291.3 -244723.5 -2679.4 -290.5 -244724.3 -0.11
1620 -118.8 -467833.1 -46.3 -104.7 -467833.1  0.44
2113 -774.2 -470291.7 -333.2 -764.7 -470291.9  0.36
    
```

```

NODE   Vxx   Vyy
    
```

```

MAX Cent  -97.3 413770.0
    
```

```

2112  182.5 418455.8
1619  182.5 409084.2
    
```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1620 -248.5 409084.2
 2113 -248.5 418455.8
 MIN Cent -150.6 286670.4
 2112 53.9 289824.3
 1619 53.9 283516.6
 1620 -482.5 283516.6
 2113 -482.5 289824.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1698	3	2	env SL~1	MAX Cent	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-48.89
				2113	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-44.72
				1620	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-45.80
				1094	6046444.5	6046444.5	0.0	6046444.5	6046444.5	44.85
				2114	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-45.44
				MIN Cent	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	81.70
				2113	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-44.86
				1620	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-45.85
				1094	-1295548.5	-1295548.5	0.0	-1295548.5	-1295548.5	44.74
				2114	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-45.14

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	62.3	-300699.9	-4932.8	208.2	-300780.8	-1.13
2113	501.7	-197230.9	885.1	505.0	-197232.1	-0.21
1620	-130.6	-199362.3	1200.1	-129.5	-199362.5	-0.12
1094	774.9	-402028.6	280.8	778.0	-402028.6	-0.12
2114	347.3	-404177.9	-93.3	351.9	-404178.0	-0.14
MIN Cent	40.1	-594363.2	-7455.1	98.8	-594414.1	-0.53
2113	-220.8	-471177.6	-997.7	-219.1	-471179.3	0.11
1620	-709.9	-473646.4	-623.6	-706.9	-473649.4	0.15
1094	248.4	-715184.0	-1484.2	248.4	-715187.0	0.00
2114	-373.0	-717444.9	-1799.2	-372.8	-717449.4	-0.04

NODE	Vxx	Vyy
MAX Cent	1040.8	469785.1
2113	-248.5	474650.4
1620	-248.5	464919.9
1094	2564.1	464919.9
2114	2564.1	474650.4
MIN Cent	604.4	323885.3
2113	-482.5	327136.6
1620	-482.5	320633.9
1094	1457.3	320633.9
2114	1457.3	327136.6

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1699	3	2	env SL~1	MAX Cent	6046444.5	6046444.5	0.0	6046444.5	6046444.5	58.21
				2114	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-45.07
				1094	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-44.98
				1095	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-44.72
				2115	6046444.5	6046444.5	0.0	6046444.5	6046444.5	43.73
				MIN Cent	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	81.01
				2114	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-45.24
				1094	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-44.72
				1095	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-44.97
				2115	-1295548.5	-1295548.5	0.0	-1295548.5	-1295548.5	43.71
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	215.5	-517588.0	-4813.5	311.1	-517644.3	-0.67
				2114	-102.7	-405141.7	2392.6	-91.9	-405146.8	0.26
				1094	-724.0	-407404.3	2809.1	-716.7	-407411.6	0.24
				1095	1773.3	-627950.9	-1341.4	1775.1	-627966.2	-0.08
				2115	1266.7	-629855.3	-1679.6	1269.6	-629873.5	-0.10
				MIN Cent	147.4	-851747.1	-8303.4	203.6	-851774.3	-0.60
				2114	-851.7	-723440.0	1432.4	-848.0	-723443.7	0.13
				1094	-1354.2	-725829.7	1722.0	-1348.9	-725835.1	0.16
				1095	1002.5	-977784.7	-5255.5	1017.8	-977786.6	-0.28
				2115	544.1	-979933.7	-5675.0	576.8	-979936.6	-0.36
				NODE	Vxx	Vyy				
				MAX Cent	-2035.1	514148.0				
				2114	2564.1	518856.2				
				1094	2564.1	509439.7				
				1095	-5527.4	509439.7				
				2115	-5527.4	518856.2				
				MIN Cent	-2918.7	352404.2				
				2114	1457.3	355556.0				
				1094	1457.3	349252.4				
				1095	-7996.7	349252.4				
				2115	-7996.7	355556.0				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1700	3	2	env SL~1	MAX Cent	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-44.67
				2115	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-44.60
				1095	6046444.5	6046444.5	-0.0	6046444.5	6046444.5	-46.20
				1096	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-44.02
				2116	6046444.5	6046444.5	0.0	6046444.5	6046444.5	-46.09
				MIN Cent	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-89.94
				2115	-1295548.5	-1295548.5	-0.0	-1295548.5	-1295548.5	-44.47

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1095 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -46.23
1096 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -44.49
2116 -1295548.5 -1295548.5 -0.0 -1295548.5 -1295548.5 -46.92

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent -203.4 -750858.2 -8641.9 -104.0 -750957.6 -0.66
2115 -54.6 -633457.4 22521.5 512.9 -633822.6 1.45
1095 -608.3 -636004.6 22955.7 -138.1 -636382.9 1.47
1096 -182.8 -867395.9 -28614.6 1056.6 -868339.1 -1.82
2116 275.7 -866574.7 -28910.6 1547.2 -867538.0 -1.83
MIN Cent -339.8 -1116231.9 -12389.9 -202.2 -1116369.4 -0.64
2115 -456.8 -988551.1 15213.0 -117.1 -988890.8 1.06
1095 -984.7 -991574.3 15509.0 -633.7 -991925.2 1.08
1096 -329.9 -1243105.1 -41162.5 760.3 -1244355.0 -1.89
2116 109.5 -1241697.1 -41596.7 1092.5 -1242968.6 -1.91

```

```

NODE   Vxx   Vyy
-----
MAX Cent 7191.9 540629.8
2115 -5527.4 542650.5
1095 -5527.4 538609.1
1096 22176.7 538609.1
2116 22176.7 542650.5
MIN Cent 4932.5 367329.3
2115 -7996.7 368671.0
1095 -7996.7 365987.7
1096 15392.4 365987.7
2116 15392.4 368671.0

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1701 3 3 env SL~1 MAX Cent 4910530.6 3001240.6 3387671.6 7474851.6 436919.6 37.13
5001 6490782.9 3486663.3 3387671.6 8693849.1 1283597.1 33.04
2 6490782.9 2515817.9 3387671.6 8430368.2 576232.6 29.80
10 3330278.3 2515817.9 3387671.6 6334442.4 -61491.1 41.57
5009 3330278.3 3486663.3 3387671.6 6796374.1 89409.5 45.66
MIN Cent -1704997.5 -708212.4 -823419.6 -244548.3 -2169067.2 -60.52
5001 -2056549.1 -822166.5 -823419.6 -410653.7 -2468241.1 -63.36
2 -2056549.1 -594744.2 -823419.6 -224760.2 -2426663.6 -65.75
10 -1353445.8 -594744.2 -823419.6 -67749.6 -1880696.9 -57.30
5009 -1353445.8 -822166.5 -823419.6 -222894.9 -1952724.1 -53.85

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 1287410.7 174404.4 51710.8 1289591.2 172223.9 2.53
5001 1492711.9 222582.3 20576.4 1492901.4 182239.5 0.64
2 1139727.7 29492.8 11635.5 1139777.3 29443.2 0.38

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

10 1034186.8 254664.8 44447.2 1035430.9 252254.0 3.18
5009 1484183.1 429044.0 53388.0 1486825.4 426401.7 2.86
MIN Cent 541555.0 68640.5 -155730.3 542122.8 27424.0 -1.98
5001 490911.1 -24057.7 -135234.2 491880.0 -24349.4 -2.61
2 239658.1 -48204.8 -102565.3 270963.6 -79510.3 -17.39
10 544174.3 119749.0 -100529.0 544247.5 105518.6 -0.75
5009 727691.4 -17938.9 -133468.1 728247.4 -35494.7 -1.76

```

NODE Vxx Vyy

```

MAX Cent 615275.0 33986.3
5001 572358.0 92572.7
2 572358.0 -24600.2
10 658192.1 -24600.2
5009 658192.1 92572.7
MIN Cent 162418.3 -100036.2
5001 45074.3 -128887.1
2 45074.3 -71185.3
10 279762.3 -71185.3
5009 279762.3 -128887.1

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1702 3 3 env SL~1 MAX Cent 4292078.8 2112565.9 2473251.1 5904423.3 500221.4 33.11
2 4591780.9 2392127.5 2473251.1 6198132.2 785776.2 33.01
3 4591780.9 1833004.3 2473251.1 6043733.8 381051.4 30.42
11 3992376.7 1833004.3 2473251.1 5610745.9 214635.1 33.21
10 3992376.7 2392127.5 2473251.1 5791094.2 593410.1 36.03
MIN Cent -1524220.5 -495877.8 -602672.7 -217845.5 -1802252.8 -65.23
2 -1572763.9 -558588.8 -602672.7 -278052.0 -1853300.7 -65.04
3 -1572763.9 -433166.8 -602672.7 -173577.2 -1832353.5 -66.70
11 -1475677.1 -433166.8 -602672.7 -157671.7 -1751241.4 -65.36
10 -1475677.1 -558588.8 -602672.7 -259850.2 -1774415.7 -63.63

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 898274.3 114985.1 25944.6 899078.0 114302.0 1.83
2 1109229.0 23393.0 1139.5 1109252.6 23369.4 -0.27
3 803132.0 15999.6 -7075.4 803194.7 15933.4 -0.51
11 852444.8 178474.0 36325.3 852642.2 178276.5 0.98
10 1048347.9 257730.3 44540.2 1050796.1 255282.2 3.18
MIN Cent 332288.1 26201.2 -87795.7 354961.4 3487.8 -14.71
2 322444.3 -31647.6 -136003.0 366094.8 -75298.1 -18.33
3 74065.0 -24865.5 -117627.5 148615.8 -100186.3 -33.11
11 315276.4 48549.3 -52656.6 325295.4 38530.3 -10.77
10 534291.3 112111.2 -71247.3 534420.6 102244.6 1.01

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

MAX Cent 558452.2 -16002.8

2 553937.6 -24600.2
3 553937.6 -7269.0
11 562966.8 -7269.0
10 562966.8 -24600.2

MIN Cent 198079.0 -59315.2

2 131015.4 -71185.3
3 131015.4 -48099.7
11 251032.3 -48099.7
10 251032.3 -71185.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1703 3 3 env SL~1 MAX Cent 3806062.7 1570800.3 1814823.9 4819320.4 557542.7 29.18

3 3289383.3 1735801.0 1814823.9 4486165.6 539018.7 33.41
501 3289383.3 1405799.6 1814823.9 4391744.0 303438.9 31.28
511 4322742.2 1405799.6 1814823.9 5192086.7 536455.1 25.60
11 4322742.2 1735801.0 1814823.9 5257421.9 801121.3 27.26

MIN Cent -1376091.0 -367882.1 -443215.4 -200748.0 -1543225.1 -69.34

3 -1232078.1 -403540.9 -443215.4 -211131.4 -1424487.6 -66.53
501 -1232078.1 -332223.2 -443215.4 -150585.5 -1413715.8 -67.72
511 -1520104.0 -332223.2 -443215.4 -185079.9 -1667247.3 -71.63
11 -1520104.0 -403540.9 -443215.4 -248998.4 -1674646.6 -70.78

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 752183.8 81483.3 9189.0 752211.6 81455.5 0.37

3 800090.9 12595.7 -10410.3 800264.0 12074.9 -0.84
501 680141.0 9635.6 -8903.0 680363.6 8183.8 -1.04
511 679508.3 138414.9 24504.3 679855.7 138067.5 1.45
11 848995.1 177784.0 30999.3 849295.8 177483.3 1.21

MIN Cent 75666.1 1358.8 -62208.4 109931.7 -32906.7 -29.33

3 121680.4 -15366.8 -103512.6 173747.6 -68251.3 -27.58
501 -123185.8 -19842.2 -92653.6 32017.0 -177156.1 -59.92
511 25130.4 -400.4 -28566.5 43539.1 -18581.4 -32.98
11 276824.7 40858.9 -39505.5 283254.6 34429.1 -9.25

NODE Vxx Vyy

MAX Cent 496524.1 -2132.5

3 511693.3 -7269.0
501 511693.3 3004.0
511 481354.9 3004.0
11 481354.9 -7269.0

MIN Cent 197134.6 -42854.8

3 172824.5 -48099.7
501 172824.5 -37989.1
511 221444.7 -37989.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

11 221444.7 -48099.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1704	3	3	env SL~1	MAX Cent	3434726.0	1220635.3	1315806.9	4046904.6	608456.7	24.96
				501	2391190.7	1331532.3	1315806.9	3279423.7	443299.2	34.03
				502	2391190.7	1109738.4	1315806.9	3213581.6	287347.5	32.01
				512	4478261.3	1109738.4	1315806.9	4931034.7	656964.9	18.99
				511	4478261.3	1331532.3	1315806.9	4955666.7	854126.8	19.95
				MIN Cent	-1256168.3	-285104.7	-321925.6	-188075.6	-1353197.4	-73.23
				501	-988810.3	-308238.7	-321925.6	-180090.4	-1116958.6	-68.29
				502	-988810.3	-261970.8	-321925.6	-139890.8	-1110890.3	-69.23
				512	-1523526.2	-261970.8	-321925.6	-184570.2	-1600926.9	-76.48
				511	-1523526.2	-308238.7	-321925.6	-228229.1	-1603535.7	-76.04

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	598905.1	63490.0	5895.6	598907.1	63488.1	-0.11
501	678370.6	8326.1	-9690.6	678887.6	6114.6	-1.59
502	532790.7	7506.5	-10096.5	533659.2	6638.0	-2.33
512	510218.1	102460.5	16965.5	510485.3	102193.2	1.47
511	674241.3	137361.5	19087.0	674564.4	137038.3	1.40
MIN Cent	-159520.7	-19644.5	-45427.1	-6186.1	-172979.1	-73.50
501	-90146.1	-13161.3	-80953.7	35350.1	-140604.4	-58.05
502	-321778.3	-16045.3	-73805.4	604.9	-338662.8	-77.04
512	-223435.5	-43525.3	-16942.1	-41955.5	-225005.3	-84.69
511	-3805.5	-6132.6	-24102.6	19068.9	-28834.2	-43.71

NODE Vxx Vyy

MAX Cent	432541.0	8220.1
501	458227.2	3004.0
502	458227.2	13615.0
512	406854.8	13615.0
511	406854.8	3004.0
MIN Cent	184800.1	-33356.2
501	174455.6	-37989.1
502	174455.6	-28723.3
512	195144.6	-28723.3
511	195144.6	-37989.1

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1705	3	3	env SL~1	MAX Cent	3161511.1	982506.9	923408.0	3499931.4	644086.6	20.14
				502	1784402.8	1055095.4	923408.0	2412180.4	427317.8	34.22
				503	1784402.8	909918.5	923408.0	2368497.1	325824.1	32.33
				513	4538619.5	909918.5	923408.0	4759905.3	688632.7	13.48

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

512 4538619.5 1055095.4 923408.0 4768070.9 825644.0 13.96
 MIN Cent -1160337.5 -228628.3 -226376.5 -176538.0 -1212427.8 -77.04
 502 -816124.1 -242804.7 -226376.5 -164197.2 -894731.5 -70.85
 503 -816124.1 -214451.9 -226376.5 -138792.7 -891783.2 -71.52
 513 -1504551.0 -214451.9 -226376.5 -175882.2 -1543120.7 -80.33
 512 -1504551.0 -242804.7 -226376.5 -203418.7 -1543937.0 -80.13

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 438542.6 46253.7 3285.9 438740.2 46056.1 -1.29
 502 535069.9 7962.4 -11022.4 536532.6 6499.7 -3.01
 503 373358.0 6479.4 -12318.7 376022.4 3815.0 -4.85
 513 343632.4 69734.0 13766.6 343706.1 69660.2 0.94
 512 502110.3 100838.9 15062.9 502272.6 100676.7 1.15
 MIN Cent -364736.7 -37788.4 -33515.0 -34388.2 -368136.9 -84.21
 502 -297569.3 -11203.5 -62782.6 1702.5 -310728.9 -78.10
 503 -493008.3 -14390.4 -57371.9 -7609.3 -499789.4 -83.26
 513 -422138.3 -77475.3 -9903.8 -77196.1 -422417.5 -88.37
 512 -246231.0 -48084.4 -15225.4 -46921.3 -247394.1 -85.63

NODE Vxx Vyy

MAX Cent 367057.6 17962.5
 502 396883.0 13615.0
 503 396883.0 22310.0
 513 337232.3 22310.0
 512 337232.3 13615.0
 MIN Cent 168590.2 -24353.0
 502 167092.6 -28723.3
 503 167092.6 -19982.7
 513 170087.7 -19982.7
 512 170087.7 -28723.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1706 3 3 env SL~1 MAX Cent 2974782.9 825389.8 602384.8 3132026.3 668233.0 14.63
 503 1394867.9 872600.8 602384.8 1789934.0 477488.3 33.27
 504 1394867.9 778181.8 602384.8 1762913.0 410136.7 31.44
 514 4555071.6 778181.8 602384.8 4648779.3 684531.3 8.84
 513 4555071.6 872600.8 602384.8 4651066.8 776621.2 9.06
 MIN Cent -1085668.0 -191291.3 -148274.6 -167350.4 -1109608.9 -80.83
 503 -696182.1 -199517.9 -148274.6 -158619.7 -737080.4 -74.58
 504 -696182.1 -183064.7 -148274.6 -143299.8 -735947.1 -74.99
 514 -1475153.9 -183064.7 -148274.6 -166267.8 -1491950.9 -83.54
 513 -1475153.9 -199517.9 -148274.6 -182509.9 -1492161.9 -83.46

NODE Mxx Myy Mxy Mmax Mmin ANGLE

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 276038.1 29953.1 -254.6 277218.2 28773.0 -3.95
  503 380509.3 7909.7 -12915.4 384132.2 4286.8 -5.60
  504 209866.5 4693.1 -14543.3 217591.3 -3031.6 -10.78
  514 180877.3 39622.3 9213.8 180921.9 39577.8 -1.02
  513 332899.2 67587.3 10841.7 332904.0 67582.6 0.24
MIN Cent -529703.9 -52215.6 -23566.5 -51055.3 -530864.2 -87.18
  503 -475582.4 -10905.2 -46624.7 -6273.1 -480214.4 -84.33
  504 -629108.1 -13644.6 -42906.1 -10796.7 -631956.0 -86.12
  514 -574563.9 -103352.8 -5314.6 -103303.8 -574612.9 -89.42
  513 -439561.1 -80959.9 -9558.8 -80710.1 -439810.9 -88.49

```

NODE Vxx Vyy

```

MAX Cent 300464.8 25682.5
  503 330036.3 22310.0
  504 330036.3 29055.0
  514 270893.4 29055.0
  513 270893.4 22310.0
MIN Cent 149185.9 -15871.7
  503 153263.2 -19982.7
  504 153263.2 -11760.7
  514 145108.6 -11760.7
  513 145108.6 -19982.7

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1707 3 3 env SL~1 MAX Cent 2866404.8 728299.2 327260.0 2915321.9 679353.8 8.51
  504 1176372.9 756446.5 327260.0 1355068.0 577668.8 28.65
    4 1176372.9 700176.3 327260.0 1342811.7 533709.7 26.97
    12 4556436.8 700176.3 327260.0 4583983.0 672620.5 4.81
  514 4556436.8 756446.5 327260.0 4584385.5 728464.0 4.88
MIN Cent -1029920.3 -168158.9 -81596.9 -160500.9 -1037578.4 -84.64
  504 -617619.6 -171915.2 -81596.9 -157446.6 -632088.2 -79.94
    4 -617619.6 -164402.6 -81596.9 -150159.5 -631862.6 -80.10
    12 -1442221.1 -164402.6 -81596.9 -159213.2 -1447410.5 -86.36
  514 -1442221.1 -171915.2 -81596.9 -166695.4 -1447441.0 -86.34

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 115471.9 14595.3 -3947.7 121205.7 8861.5 -13.06
  504 221700.9 7060.0 -14574.7 230657.3 -1896.4 -11.32
    4 47941.5 2561.6 -16223.2 78338.4 -27835.4 -32.35
    12 23983.4 11660.5 4062.2 29217.4 6426.6 -28.63
  514 168261.8 37099.2 5710.7 168567.9 36793.2 -2.76
MIN Cent -653278.4 -63105.9 -24724.2 -62757.9 -653626.5 -88.61
  504 -617591.0 -11341.2 -44750.8 -9756.5 -619175.7 -87.08
    4 -726096.5 -13253.7 -47993.6 -12257.7 -727092.5 -87.86
    12 -682574.4 -122018.5 -9586.0 -122017.5 -682575.4 -89.92
  514 -586851.8 -105810.4 -6343.3 -105756.0 -586906.1 -89.39

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

NODE   Vxx   Vyy
-----
MAX Cent 246691.6 31488.2
504 273308.7 29055.0
  4 273308.7 33921.4
12 220074.5 33921.4
514 220074.5 29055.0
MIN Cent 127004.1 -7885.9
504 134473.4 -11760.7
  4 134473.4 -4011.2
12 119534.7 -4011.2
514 119534.7 -11760.7

```

```

ELEM MAT SEC  LC  NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
1708  3   3  env SL~1 MAX Cent 2829996.2 679972.3 78245.1 2832838.4 677136.3  2.08
      4 1101219.9 692831.9 78245.1 1115690.7 678361.2  10.48
505 1101219.9 667175.8 78245.1 1114881.6 653498.6   9.91
515 4558772.5 667175.8 78245.1 4560344.2 665608.2   1.15
12 4558772.5 692831.9 78245.1 4560354.7 691249.7   1.16
MIN Cent -991577.0 -156551.7 -21676.2 -155990.5 -992138.3 -88.52
  4 -573504.6 -156733.9 -21676.2 -155611.7 -574626.8 -87.03
505 -573504.6 -156369.5 -21676.2 -155248.3 -574625.8 -87.04
515 -1409649.4 -156369.5 -21676.2 -155995.4 -1410023.5 -89.01
12 -1409649.4 -156733.9 -21676.2 -156359.7 -1410023.6 -89.01

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent -39669.0  121.8 -5006.6 17114.0 -56661.2 -61.32
  4  63721.2  5717.5 -14718.9 93062.0 -23623.2 -30.10
505 -108195.1  277.8 -10690.2 22006.4 -129923.7 -67.78
515 -124633.1 -14458.2  2873.8 -12164.4 -126926.9 -81.87
12  10430.8  8950.0  274.0 23206.9 -3826.2 -43.43
MIN Cent -734507.9 -70608.2 -31062.3 -70565.7 -734550.4 -89.54
  4 -720238.0 -12082.0 -50623.6 -11746.7 -720573.3 -88.75
505 -781453.2 -12898.3 -53189.2 -12736.4 -781615.1 -89.17
515 -746738.4 -134028.5 -16061.8 -134015.6 -746751.4  89.74
12 -689601.9 -123424.0 -13496.2 -123420.3 -689605.6 -89.85

```

```

NODE   Vxx   Vyy
-----
MAX Cent 238122.2 35452.4
  4 270096.9 33921.4
505 270096.9 36983.5
515 206147.5 36983.5
12 206147.5 33921.4
MIN Cent 88352.0 -352.6

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

4 92712.5 -4011.2
505 92712.5 3305.9
515 83991.5 3305.9
12 83991.5 -4011.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1709	3	3	env SL~1	MAX Cent	2863145.6	674550.2	35871.0	2874987.6	662696.4	-4.20
				505	1156202.9	673610.5	35871.0	1205219.6	624593.8	-16.89
				506	1156202.9	675602.4	35871.0	1205376.8	626292.4	-16.94
				516	4570088.2	675602.4	35871.0	4576767.5	668910.7	-2.37
				515	4570088.2	673610.5	35871.0	4576764.3	666934.5	-2.37
				MIN Cent	-969755.6	-155035.7	-161875.9	-153492.9	-971298.5	87.51
				505	-560369.0	-152005.2	-161875.9	-148944.2	-563430.0	85.07
				506	-560369.0	-158066.2	-161875.9	-154959.8	-563475.4	85.00
				516	-1379142.3	-158066.2	-161875.9	-157035.7	-1380172.8	88.34
				515	-1379142.3	-152005.2	-161875.9	-150979.8	-1380167.7	88.34

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
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MAX Cent	-186298.3	-13533.8	3620.0	-6467.2	-193364.9	-78.79
505	-89528.1	4011.2	393.6	28775.9	-114292.8	-65.41
506	-255158.4	-1719.2	4548.1	9680.3	-266919.3	-78.10
516	-262388.2	-38910.6	5965.8	-36872.8	-264426.1	-84.57
515	-138118.4	-17155.3	1847.4	-14010.7	-141262.9	-80.96
MIN Cent	-772383.1	-74810.1	-35648.3	-74791.4	-772401.9	89.70
505	-781211.5	-12850.0	-54127.3	-12849.8	-781211.7	89.97
506	-793275.8	-12413.1	-55809.9	-12386.6	-793302.3	89.67
516	-766756.7	-139639.0	-21437.6	-139582.2	-766813.5	89.46
515	-748288.4	-134338.5	-19755.0	-134333.2	-748293.7	89.83

NODE	Vxx	Vyy
------	-----	-----

MAX Cent	224777.8	37626.9
505	259952.0	36983.5
506	259952.0	38270.4
516	189603.6	38270.4
515	189603.6	36983.5
MIN Cent	23368.6	6761.9
505	19213.0	3305.9
506	19213.0	10217.8
516	27524.2	10217.8
515	27524.2	3305.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1710	3	3	env SL~1	MAX Cent	2964450.1	710805.2	93676.2	3035739.1	639516.1	-9.93

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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506 1339865.5 695727.2 93676.2 1536902.1 498690.5 -25.83
  5 1339865.5 725937.7 93676.2 1542762.4 522986.3 -26.49
 13 4589034.6 725937.7 93676.2 4631471.8 683446.0 -5.95
 516 4589034.6 695727.2 93676.2 4631150.1 653611.7 -5.91
MIN Cent -964178.7 -163241.3 -407405.7 -152482.7 -974937.4 83.43
506 -577680.1 -156950.8 -407405.7 -137128.5 -597502.4 78.02
  5 -577680.1 -169531.8 -407405.7 -149153.3 -598058.7 77.70
 13 -1350677.3 -169531.8 -407405.7 -162184.1 -1358025.1 85.50
 516 -1350677.3 -156950.8 -407405.7 -149679.6 -1357948.6 85.55

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -321588.2 -26420.1 12330.9 -21575.2 -326433.0 -82.76
506 -234879.7 1975.1 16270.4 14106.2 -247010.8 -77.55
  5 -348074.8 -2605.2 20248.7 3346.4 -348801.8 -81.96
 13 -364627.0 -61184.9 8618.9 -59801.0 -365020.2 -85.57
 516 -274796.4 -41392.3 4640.5 -38813.5 -277375.1 -84.03
MIN Cent -765687.5 -75709.2 -38125.2 -75488.9 -765907.8 88.98
506 -798593.9 -13476.8 -54958.8 -13139.7 -798931.0 88.81
  5 -759812.8 -11707.4 -55579.1 -11159.8 -760360.4 88.45
 13 -741685.4 -138833.2 -25289.0 -138710.0 -741808.6 89.18
 516 -762658.1 -138819.3 -24668.7 -138784.7 -762692.6 89.57

```

NODE Vxx Vyy

```

MAX Cent 206832.8 38013.6
506 243344.2 38270.4
  5 243344.2 37756.8
 13 170321.4 37756.8
 516 170321.4 38270.4
MIN Cent -46961.0 13476.1
506 -60757.4 10217.8
  5 -60757.4 15960.0
 13 -33164.5 15960.0
 516 -33164.5 10217.8

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1711 3 3 env SL~1 MAX Cent 3135874.8 791473.0 155945.8 3316103.7 611244.1 -14.96
      5 1663538.3 760168.1 155945.8 2023660.4 400046.1 -28.10
      507 1663538.3 822777.8 155945.8 2037973.1 448343.1 -29.03
      517 4608211.3 822777.8 155945.8 4724819.8 706169.3 -9.81
      13 4608211.3 760168.1 155945.8 4723030.1 645349.3 -9.66
MIN Cent -975155.4 -181759.5 -674770.2 -152231.0 -1004684.0 79.27
      5 -627722.1 -171727.2 -674770.2 -123531.6 -675917.7 72.82
      507 -627722.1 -191791.9 -674770.2 -141785.8 -677728.2 72.21
      517 -1322588.8 -191791.9 -674770.2 -170696.4 -1343684.3 82.29
      13 -1322588.8 -171727.2 -674770.2 -150986.6 -1343329.4 82.42

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-357931.6	-32479.3	20564.7	-31893.1	-358517.8	-87.57
5	-341558.6	-418.8	31947.7	6990.0	-342072.4	-82.02
507	-356788.3	-3484.3	35618.4	-1688.5	-357314.7	-84.14
517	-368128.3	-63821.1	10573.5	-63096.1	-368853.4	-87.21
13	-365251.2	-61309.8	6902.8	-60623.9	-365937.0	-87.28
MIN Cent	-712920.4	-73193.5	-38145.1	-72533.2	-713580.8	88.16
5	-770490.6	-13843.0	-52824.6	-12496.5	-771837.1	87.59
507	-679223.1	-10727.1	-52192.8	-10005.1	-681115.6	89.52
517	-670071.8	-131328.7	-27198.6	-131121.3	-670279.3	88.88
13	-731896.1	-136875.3	-27830.4	-136795.3	-731976.1	89.34

NODE	Vxx	Vyy

MAX Cent	184339.1	36555.6
5	220534.5	37756.8
507	220534.5	35354.5
517	148143.6	35354.5
13	148143.6	37756.8
MIN Cent	-119657.1	16364.2
5	-143317.8	15960.0
507	-143317.8	16768.4
517	-95996.4	16768.4
13	-95996.4	15960.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1712	3	3	env SL~1	MAX Cent	3381902.2	923822.6	226844.6	3725547.7	580177.2	-19.30
				507	2151740.3	871983.3	226844.6	2683290.3	340433.4	-28.45
				508	2151740.3	975661.9	226844.6	2707637.4	419764.8	-29.53
				518	4612064.1	975661.9	226844.6	4859935.5	727790.6	-14.18
				517	4612064.1	871983.3	226844.6	4853859.7	630187.7	-13.84
				MIN Cent	-1003582.5	-212188.4	-981423.9	-151777.3	-1063993.6	75.09
				507	-715834.3	-197477.3	-981423.9	-112225.9	-801085.7	69.40
				508	-715834.3	-226899.4	-981423.9	-137866.1	-804867.7	68.57
				518	-1291330.8	-226899.4	-981423.9	-180572.1	-1337658.1	78.46
				517	-1291330.8	-197477.3	-981423.9	-152299.9	-1336508.2	78.74

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-351841.2	-33195.0	27966.1	-32563.2	-352473.1	-87.45
507	-350170.4	-2160.7	47050.4	1295.9	-350479.6	-84.51
508	-343298.8	-4405.5	50237.8	-4096.2	-343608.2	-88.27
518	-347340.5	-62707.3	11546.5	-61592.9	-348454.8	-86.43
517	-366555.3	-63506.5	8359.0	-62443.7	-367618.0	-86.62
MIN Cent	-612279.9	-67034.2	-35305.2	-65603.6	-613710.6	87.07
507	-694826.2	-13847.8	-47360.2	-10612.3	-698061.7	86.07

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

508 -614060.7 -9819.9 -45243.8 -8989.2 -617429.6 89.02
 518 -582995.6 -116578.6 -26707.4 -116271.3 -584475.1 88.48
 517 -654750.6 -128264.5 -28823.7 -128131.8 -654883.2 89.09

NODE Vxx Vyy

 MAX Cent 157264.0 33127.7

507 191671.4 35354.5
 508 191671.4 30901.0
 518 122856.6 30901.0
 517 122856.6 35354.5

MIN Cent -195120.8 16685.4

507 -228440.6 16768.4
 508 -228440.6 16602.3
 518 -161800.9 16602.3
 517 -161800.9 16768.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

 1713 3 3 env SL~1 MAX Cent 3709596.8 1120618.8 311213.1 4284222.8 545992.7 -23.08

508 2845036.3 1041200.8 311213.1 3565260.6 320976.6 -28.11
 509 2845036.3 1200036.7 311213.1 3601901.9 443171.1 -29.31
 519 4574157.2 1200036.7 311213.1 5046740.8 727453.1 -19.32
 518 4574157.2 1041200.8 311213.1 5029915.3 585442.7 -18.68

MIN Cent -1050977.5 -257610.0 -1348439.2 -150099.7 -1158487.8 70.94

508 -851017.4 -236378.4 -1348439.2 -106320.7 -981075.2 67.32
 509 -851017.4 -278841.5 -1348439.2 -142200.3 -987658.6 66.30
 519 -1250937.7 -278841.5 -1348439.2 -187744.6 -1342034.6 73.68
 518 -1250937.7 -236378.4 -1348439.2 -148522.6 -1338793.5 74.24

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent -321954.8 -31960.1 34081.1 -31345.3 -322569.5 -87.37

508 -337141.2 -3174.0 61148.0 -3055.1 -337260.2 -88.92
 509 -306810.1 -5520.9 63626.7 2946.1 -306909.0 80.27
 519 -300380.6 -57208.7 11141.6 -55655.3 -301933.9 -85.44
 518 -343487.2 -61936.7 8663.0 -60474.7 -344949.1 -85.89

MIN Cent -633193.5 -60655.0 -29088.4 -59180.9 -634667.6 -87.10

508 -598487.7 -13398.6 -38011.3 -8879.7 -600919.3 87.36
 509 -699009.3 -13168.8 -34100.1 -11477.5 -700700.6 -87.16
 519 -649095.0 -119751.0 -23300.8 -118727.3 -650118.6 -87.48
 518 -586182.0 -112498.7 -27212.0 -112318.9 -587709.7 88.81

NODE Vxx Vyy

 MAX Cent 125532.0 31088.2

508 156890.9 30901.0
 509 156890.9 33660.3

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

519 94173.1 33660.3
518 94173.1 30901.0
MIN Cent -273663.0 15949.7
508 -316029.5 16602.3
509 -316029.5 15297.1
519 -231296.4 15297.1
518 -231296.4 16602.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1714	3	3	env SL~1	MAX Cent	4128771.9	1403080.7	415288.6	5026011.8	505840.8	-26.46
				509	3805024.8	1283871.7	415288.6	4744378.1	344518.4	-27.52
				510	3805024.8	1522289.7	415288.6	4797517.2	529797.4	-28.83
				520	4452518.9	1522289.7	415288.6	5310591.6	664217.1	-25.45
				519	4452518.9	1283871.7	415288.6	5268345.2	468045.4	-24.35
				MIN Cent	-1119457.4	-322532.7	-1803008.3	-145463.2	-1296526.9	66.91
				509	-1047209.4	-292537.5	-1803008.3	-108761.1	-1230985.8	66.13
				510	-1047209.4	-352528.0	-1803008.3	-158472.1	-1241265.2	64.95
				520	-1191705.3	-352528.0	-1803008.3	-181761.4	-1362471.9	67.65
				519	-1191705.3	-292537.5	-1803008.3	-130083.5	-1354159.3	68.64

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-256753.1	-28565.6	38330.1	-28063.3	-263058.2	-87.38
509	-301752.0	-4509.2	73880.7	1418.0	-301753.5	79.34
510	-133068.0	-6443.7	75346.8	28519.3	-168201.6	65.00
520	-156744.3	-33638.8	8629.5	-33609.3	-157523.6	-89.27
519	-294310.1	-55994.6	7163.5	-54119.8	-296184.8	-84.95
MIN Cent	-697353.4	-70880.3	-18787.8	-70317.4	-697916.3	-88.28
509	-688921.3	-12517.2	-23769.7	-10318.6	-689753.9	-87.99
510	-763922.2	-17913.8	-17630.3	-17497.4	-764338.6	-88.65
520	-689362.3	-135082.6	-19413.4	-134589.7	-689855.1	-88.29
519	-647207.7	-119373.5	-22675.4	-118401.2	-648180.0	-87.54

NODE	Vxx	Vyy
MAX Cent	89064.4	35900.5
509	116445.6	33660.3
510	116445.6	38140.8
520	61683.2	38140.8
519	61683.2	33660.3
MIN Cent	-355456.6	13544.0
509	-405847.9	15297.1
510	-405847.9	8720.3
520	-305065.4	8720.3
519	-305065.4	15297.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1715	3	3	env SL~1	MAX Cent	4652348.7	1813340.0	547989.1	6006924.5	458764.3	-29.61
				510	5122967.9	1627005.1	547989.1	6330653.4	419319.6	-26.87
				6	5122967.9	1999675.0	547989.1	6410754.3	711888.7	-28.38
				14	4181729.6	1999675.0	547989.1	5711936.4	469468.2	-32.70
				520	4181729.6	1627005.1	547989.1	5608472.0	200262.7	-30.91
				MIN Cent	-1212038.9	-418941.1	-2383385.7	-139070.7	-1491909.3	62.95
				510	-1324898.4	-371044.3	-2383385.7	-121506.3	-1574436.4	65.52
				6	-1324898.4	-466837.9	-2383385.7	-199909.1	-1591827.3	64.03
				14	-1099179.4	-466837.9	-2383385.7	-150350.7	-1415666.5	59.99
				520	-1099179.4	-371044.3	-2383385.7	-77208.1	-1393015.5	61.80
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	-1776.7	-6454.5	39656.0	28296.3	-54069.5	37.17
				510	-156489.0	-6533.5	85949.0	28611.0	-196188.9	65.09
				6	158228.9	-4008.1	85956.4	194419.2	-45928.5	22.83
				14	120747.5	17474.6	2519.0	120785.7	17449.4	0.95
				520	-129594.2	-31084.7	2436.0	-31031.2	-129666.5	-88.99
				MIN Cent	-737876.0	-81705.3	-6505.1	-81685.7	-737895.6	-89.69
				510	-761589.1	-17447.2	-2070.0	-17441.4	-761594.9	-89.84
				6	-808788.3	-28405.7	6920.1	-28344.3	-808849.6	89.49
				14	-699726.9	-147478.0	-17246.2	-147399.4	-699805.4	-89.32
				520	-681399.8	-133490.1	-20431.0	-133047.7	-681842.3	-88.37
				NODE	Vxx	Vyy				
				MAX Cent	47857.5	39411.9				
				510	71161.4	38140.8				
				6	71161.4	40683.0				
				14	24553.7	40683.0				
				520	24553.7	38140.8				
				MIN Cent	-440434.5	2045.2				
				510	-497107.6	8720.3				
				6	-497107.6	-4629.9				
				14	-383761.3	-4629.9				
				520	-383761.3	8720.3				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1716	3	3	env SL~1	MAX Cent	5294368.8	2406707.1	722828.9	7312610.1	388465.8	-32.68
				6	6940132.2	2128079.0	722828.9	8495198.9	573012.3	-26.30
				7	6940132.2	2685335.2	722828.9	8611038.6	1014428.7	-27.97
				15	3648605.4	2685335.2	722828.9	6350249.8	184291.9	-40.65
				14	3648605.4	2128079.0	722828.9	6125516.3	66807.1	-38.21
				MIN Cent	-1331350.9	-553724.7	-3146632.5	-121771.5	-1763304.0	59.14
				6	-1717656.6	-490700.3	-3146632.5	-156108.3	-2052248.6	65.16

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

7 -1717656.6 -616749.0 -3146632.5 -258643.0 -2075762.6 63.65
 15 -945045.1 -616749.0 -3146632.5 -39664.2 -1522130.0 51.40
 14 -945045.1 -490700.3 -3146632.5 39813.8 -1475559.3 53.72

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	311917.5	25770.5	37889.9	316393.9	22142.0	6.74
6	137741.2	-6182.1	99737.7	187218.4	-57572.2	26.38
7	510836.4	3312.3	97580.5	528428.6	-6799.8	10.22
15	451247.2	85742.7	5827.9	451789.5	85641.1	-2.04
14	147845.2	20209.1	2053.9	148905.7	20076.3	-4.63
MIN Cent	-752978.4	-97131.3	1554.0	-96595.0	-753514.7	88.36
6	-816462.8	-29940.6	20498.1	-28609.2	-817794.2	87.65
7	-833019.8	-43590.5	25759.6	-41016.9	-835593.4	86.74
15	-677808.9	-170537.2	-15260.2	-170529.0	-677817.2	89.77
14	-684622.0	-144457.0	-19720.8	-144244.8	-684834.2	-88.86

NODE	Vxx	Vyy

MAX Cent	1421.3	43152.6
6	21861.9	40683.0
7	21861.9	45622.2
15	-19019.3	45622.2
14	-19019.3	40683.0
MIN Cent	-529053.8	-12587.0
6	-589583.3	-4629.9
7	-589583.3	-20544.2
15	-468524.3	-20544.2
14	-468524.3	-4629.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1717	3	3	env SL~1	MAX Cent	6102452.6	4067821.9	979468.4	9475698.6	694575.9	-38.30
				7	9459720.9	2846951.9	979468.4	1.16e+007	752014.7	-26.13
				5008	9459720.9	5288692.0	979468.4	1.21e+007	2621158.1	-31.99
				5016	2745184.2	5288692.0	979468.4	8473333.1	97488.8	-53.29
				15	2745184.2	2846951.9	979468.4	7067448.1	-239708.5	-45.34
				MIN Cent	-1489366.3	-938817.7	-4271076.9	-196676.6	-2231507.5	52.85
				7	-2269525.7	-648352.1	-4271076.9	-187558.1	-2730319.7	64.81
				5008	-2269525.7	-1229283.4	-4271076.9	-640403.0	-2858406.0	58.98
				5016	-709207.0	-1229283.4	-4271076.9	44154.1	-1982644.5	37.57
				15	-709207.0	-648352.1	-4271076.9	301161.3	-1658720.4	45.89

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	683116.2	66580.7	23952.1	683123.9	65663.0	0.19
7	511995.0	1179.3	194336.7	575067.0	-17608.8	18.14
5008	842001.4	-106492.8	191235.9	870038.0	-116108.3	8.50

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5016 904849.2 333322.8 21212.8 911639.4 326532.7 -6.18
 15 473619.0 88555.1 14030.6 480980.5 87824.9 -7.26
 MIN Cent -742273.5 -144462.2 -1203.8 -143504.1 -743231.6 87.71
 7 -841072.4 -45201.1 71437.1 -15222.5 -871051.0 79.21
 5008 -920610.3 -410184.9 77873.3 -355437.7 -975357.5 72.71
 5016 -552806.6 43433.6 -62664.6 43509.5 -552882.5 -89.35
 15 -654604.6 -165896.4 -58554.8 -164591.6 -655909.4 -87.05

NODE Vxx Vyy

MAX Cent -42208.2 -32063.2
 7 10342.2 45622.2
 5008 10342.2 -97075.6
 5016 -94758.6 -97075.6
 15 -94758.6 45622.2
 MIN Cent -612423.9 -109245.5
 7 -639942.2 -20544.2
 5008 -639942.2 -205730.2
 5016 -584905.7 -205730.2
 15 -584905.7 -20544.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1718 3 3 env SL~1 MAX Cent 3839616.9 5659723.8 2315901.1 7236543.7 2262797.0 55.73
 5009 3861974.9 6220106.4 2315901.1 7638450.4 2443630.9 58.50
 10 3861974.9 5099341.3 2315901.1 6876302.2 2085014.1 52.48
 18 3817258.8 5099341.3 2315901.1 6859815.3 2056784.8 52.74
 5017 3817258.8 6220106.4 2315901.1 7626317.7 2411047.5 58.72
 MIN Cent -1486115.4 -1332879.0 -594328.3 -810971.7 -2008022.8 -48.68
 5009 -1478414.2 -1460286.4 -594328.3 -875679.8 -2063020.8 -45.44
 10 -1478414.2 -1205471.6 -594328.3 -732855.9 -1951029.8 -51.47
 18 -1493816.7 -1205471.6 -594328.3 -738785.6 -1960502.7 -51.83
 5017 -1493816.7 -1460286.4 -594328.3 -883213.6 -2070889.5 -45.81

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 1254589.0 271850.5 18741.6 1254591.5 271847.9 -0.09
 5009 1466213.9 339197.7 20685.3 1466257.4 339154.2 -0.36
 10 1034758.9 263358.5 20510.5 1034797.9 263319.5 -0.41
 18 1056001.5 229923.5 13939.9 1056003.1 229872.8 0.08
 5017 1461381.6 285276.1 10981.8 1461381.7 285276.0 -0.02
 MIN Cent 657285.6 138336.8 -1581.9 657961.5 137660.9 2.07
 5009 724768.5 123141.6 -7032.3 725280.2 122630.0 1.67
 10 539970.7 50531.0 -5486.6 540922.1 49974.5 2.66
 18 576381.7 135418.6 -6527.6 576821.9 134978.4 1.81
 5017 788021.4 196055.9 -4552.1 788225.1 195852.2 1.06

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent 636018.4 17469.5
  5009 658192.1 15291.8
    10 658192.1 19647.1
    18 633129.6 19647.1
  5017 633129.6 15291.8
MIN Cent 273372.3 -26795.3
  5009 279762.3 -17402.3
    10 279762.3 -36503.7
    18 266982.3 -36503.7
  5017 266982.3 -17402.3
  
```

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
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-----
1719  3  3 env SL~1 MAX Cent 4226274.9 4739341.1 2270581.8 6766798.8 2198817.3  48.22
    10 4517731.7 5176672.9 2270581.8 7140530.8 2553873.9  49.13
    11 4517731.7 4302009.3 2270581.8 6681970.5 2137770.5  43.64
    19 3934818.1 4302009.3 2270581.8 6395366.0 1841461.4  47.31
    18 3934818.1 5176672.9 2270581.8 6908691.6 2202799.4  52.65
MIN Cent -1543502.8 -1116644.3 -577425.2 -715025.5 -1945121.6 -55.15
    10 -1599830.4 -1216949.0 -577425.2 -800622.0 -2016157.5 -54.18
    11 -1599830.4 -1016339.6 -577425.2 -661673.8 -1954496.2 -58.41
    19 -1487175.2 -1016339.6 -577425.2 -628737.6 -1874777.1 -56.10
    18 -1487175.2 -1216949.0 -577425.2 -759620.0 -1944504.2 -51.59
  
```

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
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-----
MAX Cent 949744.0 199324.9 23451.0 950012.0 199056.8  1.08
    10 1050086.7 266424.1 18338.8 1050206.7 266304.1  0.71
    11 851119.2 173672.7 20425.1 851345.9 173407.9  1.05
    19 868083.5 192600.0 26078.9 868493.1 192190.4  1.41
    18 1054719.0 229806.8 23992.6 1054999.9 229525.9  1.06
MIN Cent 464995.0 82204.0 1048.9 466494.2 82137.1  3.66
    10 530087.7 39337.7 -15287.7 530862.5 38932.4  2.42
    11 310851.3 26423.6 -14792.3 311609.9 25665.0 -2.95
    19 310920.6 85636.6 -2130.4 311614.4 84942.9  3.17
    18 578374.5 135817.2 -3338.1 579671.4 134520.3  3.09
  
```

NODE	Vxx	Vyy
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-----
MAX Cent 560783.0 15505.9
    10 562966.8 19647.1
    11 562966.8 11364.6
    19 558599.1 11364.6
    18 558599.1 19647.1
MIN Cent 271679.2 -26882.9
    10 251032.3 -36503.7
    11 251032.3 -17286.8
    19 283324.0 -17286.8
  
```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

18 283324.0 -36503.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1720	3	3	env SL~1	MAX Cent	4479533.2	4005035.5	2014182.2	6269624.0	2214944.7	41.64
				11	4809589.2	4352660.9	2014182.2	6607455.5	2554794.7	41.76
				511	4809589.2	3657410.0	2014182.2	6327705.5	2139293.7	37.02
				521	4149477.2	3657410.0	2014182.2	5931830.0	1875057.2	41.52
				19	4149477.2	4352660.9	2014182.2	6267040.3	2235097.9	46.44
				MIN Cent	-1569051.7	-942031.2	-510679.4	-656737.9	-1854345.1	-60.79
				11	-1634933.9	-1021449.4	-510679.4	-732903.6	-1923479.7	-60.51
				511	-1634933.9	-862613.1	-510679.4	-608932.2	-1888614.8	-63.56
				521	-1503169.6	-862613.1	-510679.4	-580516.7	-1785266.0	-61.06
				19	-1503169.6	-1021449.4	-510679.4	-698136.9	-1826482.0	-57.64

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	768086.8	164242.5	26185.9	768545.5	163783.8	1.58
11	847669.4	174846.1	23514.6	848017.0	174600.4	1.30
511	679797.3	139860.0	24181.5	680255.4	139401.9	1.67
521	677162.0	153427.2	26941.9	677726.6	152862.6	1.88
19	867718.4	192527.0	26275.0	868136.6	192108.8	1.43
MIN Cent	160542.2	29274.9	4400.9	160729.8	29087.4	2.16
11	272399.5	18733.2	-5302.1	272507.1	18625.7	-1.18
511	22411.8	-14110.6	-4210.9	22864.6	-14558.8	-6.34
521	24502.2	24459.5	259.7	35403.7	13705.0	44.56
19	320377.7	87528.0	-280.5	320797.4	87108.3	2.43

NODE	Vxx	Vyy
MAX Cent	489338.7	9690.4
11	481354.9	11364.6
511	481354.9	8016.2
521	497322.5	8016.2
19	497322.5	11364.6
MIN Cent	243350.0	-14325.7
11	221444.7	-17286.8
511	221444.7	-11364.6
521	265255.3	-11364.6
19	265255.3	-17286.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1721	3	3	env SL~1	MAX Cent	4640867.9	3431814.2	1678142.9	5819527.6	2253154.6	35.09
				511	4920497.1	3689676.9	1678142.9	6091992.4	2518181.6	34.93
				512	4920497.1	3173951.6	1678142.9	5938495.5	2155953.1	31.25
				522	4361238.8	3173951.6	1678142.9	5547121.6	1988068.8	35.26

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

521 4361238.8 3689676.9 1678142.9 5736320.3 2314595.4 39.34
MIN Cent -1572696.8 -805282.4 -426124.0 -615889.2 -1762090.1 -66.02
511 -1627561.8 -863342.1 -426124.0 -673419.8 -1817484.1 -65.96
512 -1627561.8 -747222.7 -426124.0 -575050.7 -1799733.8 -67.98
522 -1517831.9 -747222.7 -426124.0 -558356.1 -1706698.4 -66.07
521 -1517831.9 -863342.1 -426124.0 -653649.3 -1727524.7 -63.78

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```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

MAX Cent 588093.6 128775.4 25928.1 588682.3 128186.7 2.05
511 674530.3 138806.6 24587.1 675003.5 138333.3 1.70
512 511489.9 108819.5 23829.9 512050.1 108259.3 2.13
522 488227.3 113855.5 25606.9 488908.5 113174.3 2.44
521 678126.8 153620.2 26364.1 678669.7 153077.3 1.84
MIN Cent -106599.5 -18679.7 5509.8 -18198.8 -107080.5 85.78
511 -6524.1 -19842.0 -55.1 -6523.6 -19842.1 0.36
512 -224860.2 -50648.8 816.0 -50644.1 -224864.9 89.70
522 -228438.2 -30952.4 2256.1 -30494.2 -228896.4 87.25
521 32875.9 26156.6 2347.1 38989.2 20316.7 34.90

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NODE Vxx Vyy

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```

MAX Cent 419553.4 7219.8
511 406854.8 8016.2
512 406854.8 6423.4
522 432252.1 6423.4
521 432252.1 8016.2
MIN Cent 215743.4 -8898.8
511 195144.6 -11364.6
512 195144.6 -6433.0
522 236342.3 -6433.0
521 236342.3 -11364.6

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

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```

1722 3 3 env SL~1 MAX Cent 4744041.6 3005952.2 1310279.8 5446975.9 2303017.9 28.22
512 4943308.5 3194586.3 1310279.8 5643871.7 2494023.1 28.14
513 4943308.5 2817318.0 1310279.8 5567274.5 2193352.0 25.47
523 4544774.8 2817318.0 1310279.8 5250121.5 2112000.2 28.30
522 4544774.8 3194586.3 1310279.8 5343382.7 2396034.9 31.37
MIN Cent -1562566.5 -703560.8 -334891.1 -588660.2 -1677467.0 -71.04
512 -1599537.5 -745196.6 -334891.1 -629801.9 -1714932.2 -70.97
513 -1599537.5 -661924.9 -334891.1 -554813.0 -1706649.4 -72.25
523 -1525595.5 -661924.9 -334891.1 -547514.7 -1640005.6 -71.12
522 -1525595.5 -745196.6 -334891.1 -621433.1 -1649359.0 -69.70

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 410968.9 93841.8 22957.0 411549.3 93261.4 2.45
512 503382.2 107198.0 22465.2 503832.2 106748.0 1.93
513 345479.7 78970.9 20503.0 345957.0 78493.6 2.42
523 304651.3 74915.8 21937.4 305337.6 74229.4 3.12
522 490362.5 114282.5 23899.6 490932.2 113712.9 2.23
MIN Cent -331201.7 -60625.7 5121.7 -60430.8 -331396.7 88.46
512 -247655.7 -55207.9 3166.6 -55153.9 -247709.6 89.04
513 -422926.9 -81418.6 3430.2 -81380.5 -422965.1 89.39
523 -433227.6 -76412.4 2808.2 -76207.0 -433433.0 88.63
522 -220996.6 -29464.1 3414.9 -29115.8 -221344.9 87.56

```

NODE Vxx Vyy

```

MAX Cent 351240.9 6276.4
512 337232.3 6423.4
513 337232.3 6129.5
523 365249.6 6129.5
522 365249.6 6423.4
MIN Cent 188128.7 -4515.8
512 170087.7 -6433.0
513 170087.7 -2598.5
523 206169.6 -2598.5
522 206169.6 -6433.0

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1723 3 3 env SL~1 MAX Cent 4810538.9 2700841.3 932416.5 5163372.1 2347910.8 20.73
513 4930163.0 2830488.9 932416.5 5284262.6 2476339.8 20.80
514 4930163.0 2571193.7 932416.5 5254019.2 2247257.8 19.16
524 4690914.8 2571193.7 932416.5 5042489.6 2219505.1 20.66
523 4690914.8 2830488.9 932416.5 5077582.5 2443771.6 22.53
MIN Cent -1543655.3 -630456.6 -242025.5 -570432.2 -1603679.8 -76.05
513 -1562986.9 -658142.7 -242025.5 -597629.2 -1623500.4 -75.94
514 -1562986.9 -602770.5 -242025.5 -545364.9 -1620392.5 -76.64
524 -1524323.7 -602770.5 -242025.5 -543227.7 -1583866.5 -76.16
523 -1524323.7 -658142.7 -242025.5 -595264.9 -1587201.5 -75.42

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 238604.7 60046.9 17790.8 239005.7 59645.9 2.71
513 334746.6 76824.3 17978.6 335020.8 76550.1 1.87
514 183001.5 50243.5 15094.0 183223.7 50021.4 2.34
524 129070.4 37614.1 16326.2 129640.1 37044.3 4.50
523 307600.3 75505.6 19210.8 308049.5 75056.4 2.52
MIN Cent -508349.2 -94398.5 3404.8 -94281.7 -508465.9 89.04
513 -440349.8 -84903.2 4318.1 -84842.8 -440410.2 89.25
514 -574985.4 -105460.0 3553.8 -105416.8 -575028.6 89.45
524 -591102.6 -112071.9 1895.4 -111966.2 -591208.2 89.15
523 -426959.0 -75158.7 2936.8 -75009.6 -427108.0 88.82

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

NODE      Vxx      Vyy
-----
MAX Cent 284074.7  6299.9
513 270893.4  6129.5
514 270893.4  6470.3
524 297256.1  6470.3
523 297256.1  6129.5
MIN Cent 160015.2 -1096.9
513 145108.6 -2598.5
514 145108.6   404.7
524 174921.9   404.7
523 174921.9 -2598.5

```

```

ELEM MAT SEC  LC  NODE      Fxx      Fyy      Fxy      Fmax      Fmin  ANGLE
-----
1724  3   3  env SL~1 MAX Cent 4854294.1 2500758.2 554201.3 4978035.9 2376982.4 12.60
514 4910940.6 2579861.7 554201.3 5035759.6 2455042.2 12.70
12 4910940.6 2421693.7 554201.3 5028530.8 2303997.8 11.99
20 4797647.6 2421693.7 554201.3 4920329.7 2298904.9 12.49
524 4797647.6 2579861.7 554201.3 4928184.4 2449322.8 13.27
MIN Cent -1519397.4 -582143.2 -149781.3 -558881.8 -1542658.7 -81.15
514 -1525018.0 -597918.9 -149781.3 -574415.0 -1548521.9 -81.06
12 -1525018.0 -566367.4 -149781.3 -543601.5 -1547783.9 -81.34
20 -1513776.8 -566367.4 -149781.3 -543343.8 -1536800.4 -81.24
524 -1513776.8 -597918.9 -149781.3 -574140.7 -1537555.0 -80.96

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NODE      Mxx      Myy      Mxy      Mmax      Mmin  ANGLE
-----
MAX Cent 73219.2 27821.9 11018.4 73285.3 27755.7 2.18
514 170386.0 47720.4 11855.6 170415.1 47691.4 0.88
12 26165.5 22570.9 8329.2 26843.4 21893.0 -21.72
20 -36158.7 2699.6 9215.1 2703.3 -36162.5 89.44
524 132483.8 38296.7 12741.4 132651.0 38129.6 2.41
MIN Cent -639843.1 -119965.1 996.0 -119904.5 -639903.7 89.38
514 -587273.2 -107917.6 1474.7 -107870.0 -587320.8 89.43
12 -682765.7 -122974.8 -1701.8 -122943.6 -682796.9 89.57
20 -703153.7 -137880.7 85.3 -137838.0 -703196.4 89.50
524 -586179.8 -111087.3 1309.7 -111023.5 -586243.7 89.34

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NODE      Vxx      Vyy
-----
MAX Cent 237729.4  6730.0
514 220074.5  6470.3
12 220074.5  6989.6
20 255384.4  6989.6
524 255384.4  6470.3
MIN Cent 131010.9  1335.5

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

514 119534.7 404.7
12 119534.7 2138.7
20 142487.1 2138.7
524 142487.1 404.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1725 3 3 env SL~1 MAX Cent 4883797.2 2394235.0 178770.1 4896442.3 2381589.9 4.07
12 4901638.3 2427691.7 178770.1 4914362.4 2414967.6 4.09
515 4901638.3 2360778.3 178770.1 4914030.6 2348386.0 3.99
525 4865956.0 2360778.3 178770.1 4878523.1 2348211.3 4.04
20 4865956.0 2427691.7 178770.1 4878864.4 2414783.4 4.15
MIN Cent -1491843.1 -555789.1 -58986.6 -552125.1 -1495507.1 -86.43
12 -1489496.9 -560856.6 -58986.6 -557163.6 -1493189.9 -86.40
515 -1489496.9 -550721.7 -58986.6 -547068.2 -1493150.4 -86.44
525 -1494189.3 -550721.7 -58986.6 -547086.2 -1497824.7 -86.45
20 -1494189.3 -560856.6 -58986.6 -557182.0 -1497863.9 -86.42

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -82799.0 -2507.7 3616.2 -2056.5 -83250.3 -85.72
12 12612.8 19860.3 4701.4 22835.0 9638.2 -61.66
515 -122563.6 -4110.8 3138.2 -3364.3 -123310.1 -85.48
525 -188679.3 -29198.7 2129.2 -28844.1 -189033.9 -87.30
20 -32565.9 3418.2 4994.2 3776.6 -32924.4 -84.33
MIN Cent -726527.7 -137373.8 -6036.4 -137354.5 -726547.0 89.67
12 -689793.2 -124380.3 -5514.2 -124352.6 -689820.9 89.60
515 -746752.3 -134097.9 -9432.9 -134083.7 -746766.5 89.72
525 -769866.5 -153827.1 -7528.0 -153821.3 -769872.3 89.82
20 -699699.0 -137189.7 -3609.3 -137174.8 -699713.9 89.70

NODE Vxx Vyy

MAX Cent 221332.2 7178.1
12 206147.5 6989.6
515 206147.5 7366.6
525 236517.0 7366.6
20 236517.0 6989.6
MIN Cent 93188.7 2782.4
12 83991.5 2138.7
515 83991.5 3426.2
525 102386.0 3426.2
20 102386.0 2138.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1726 3 3 env SL~1 MAX Cent 4904249.3 2374694.5 31232.1 4919144.6 2359799.2 -4.38

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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515 4910119.4 2364868.8 31232.1 4924924.0 2350064.2 -4.35
516 4910119.4 2384520.3 31232.1 4925037.9 2369601.9 -4.38
526 4898379.1 2384520.3 31232.1 4913366.3 2369533.1 -4.40
525 4898379.1 2364868.8 31232.1 4913251.4 2349996.4 -4.37
MIN Cent -1461980.5 -549788.2 -194680.4 -548764.6 -1463004.1 88.08
515 -1458092.8 -544749.1 -194680.4 -543726.8 -1459115.1 88.08
516 -1458092.8 -554827.2 -194680.4 -553793.6 -1459126.5 88.06
526 -1465868.2 -554827.2 -194680.4 -553802.4 -1466893.0 88.08
525 -1465868.2 -544749.1 -194680.4 -543735.5 -1466881.8 88.10

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -226932.6 -30658.6 485.8 -29623.5 -227967.7 -85.86
515 -136048.9 -6807.9 2501.0 -5474.6 -137382.2 -84.23
516 -260575.7 -29848.2 1064.3 -28576.7 -261847.2 -85.77
526 -325974.7 -57489.4 -1771.0 -56539.7 -326924.4 -86.60
525 -185131.2 -28489.1 -334.3 -27572.7 -186047.5 -85.64
MIN Cent -768467.5 -146632.2 -14291.0 -146632.0 -768467.7 89.97
515 -748302.3 -134407.9 -13194.4 -134398.7 -748311.4 89.78
516 -766598.4 -138847.4 -17175.0 -138845.8 -766600.0 89.91
526 -791024.2 -159830.8 -15996.2 -159825.0 -791030.0 -89.83
525 -767945.1 -153442.9 -12015.6 -153442.4 -767945.6 -89.95

```

NODE Vxx Vyy

```

MAX Cent 201560.5 7380.9
515 189603.6 7366.6
516 189603.6 7395.2
526 213517.3 7395.2
525 213517.3 7366.6
MIN Cent 30997.3 3815.5
515 27524.2 3426.2
516 27524.2 4164.4
526 34470.4 4164.4
525 34470.4 3426.2

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1727 3 3 env SL~1 MAX Cent 4914909.3 2439808.7 118774.0 5037669.3 2317048.6 -12.26
516 4934835.3 2386652.3 118774.0 5054380.3 2267107.4 -11.95
13 4934835.3 2492965.0 118774.0 5059112.5 2368687.9 -12.41
21 4894983.2 2492965.0 118774.0 5021127.6 2366820.6 -12.59
526 4894983.2 2386652.3 118774.0 5016261.1 2265374.4 -12.12
MIN Cent -1429853.8 -563539.0 -564724.2 -547649.2 -1445743.5 82.36
516 -1430736.9 -548401.9 -564724.2 -532790.7 -1446348.1 82.49
13 -1430736.9 -578676.0 -564724.2 -562530.1 -1446882.8 82.23
21 -1428970.7 -578676.0 -564724.2 -562497.8 -1445149.0 82.22
526 -1428970.7 -548401.9 -564724.2 -532760.4 -1444612.1 82.47

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-356514.2	-56343.5	-3252.8	-54664.2	-358193.6	-85.73
516	-272983.9	-32329.8	178.2	-30575.5	-274738.2	-85.14
13	-362823.8	-52168.7	-1497.8	-51475.4	-363517.1	-87.30
21	-420695.1	-81552.6	-6115.7	-79905.7	-421478.4	-86.16
526	-322652.6	-56825.0	-4571.7	-55215.8	-324261.7	-85.56
MIN Cent	-765040.6	-147639.8	-22514.7	-147621.2	-765059.2	-89.69
516	-762499.8	-138027.6	-20621.9	-138027.6	-762499.8	89.99
13	-741335.0	-137081.5	-24406.4	-137077.3	-741339.2	-89.85
21	-765673.3	-155693.2	-24529.4	-155626.0	-765740.5	-89.40
526	-790654.4	-159756.8	-20744.9	-159721.6	-790689.6	-89.57

NODE	Vxx	Vyy

MAX Cent	178167.3	7179.4
516	170321.4	7395.2
13	170321.4	6963.6
21	186013.1	6963.6
526	186013.1	7395.2
MIN Cent	-35688.6	3858.9
516	-33164.5	4164.4
13	-33164.5	3547.9
21	-38212.8	3547.9
526	-38212.8	4164.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1728	3	3	env SL~1	MAX Cent	4912315.5	2591347.0	204875.0	5240370.5	2263292.0	-19.39
				13	4968186.1	2492446.2	204875.0	5279944.3	2180688.0	-18.49
				517	4968186.1	2690247.7	204875.0	5301044.4	2357389.4	-19.65
				527	4856444.9	2690247.7	204875.0	5202376.7	2344315.9	-20.36
				21	4856444.9	2492446.2	204875.0	5179818.5	2169072.6	-19.13
				MIN Cent	-1394604.1	-597400.0	-932215.3	-547868.3	-1444135.8	76.40
				13	-1405716.9	-571626.1	-932215.3	-524056.4	-1453286.5	76.92
				517	-1405716.9	-623173.9	-932215.3	-572819.2	-1456071.6	76.19
				527	-1383491.4	-623173.9	-932215.3	-571521.4	-1435143.9	75.84
				21	-1383491.4	-571626.1	-932215.3	-522892.3	-1432225.2	76.61

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-391461.3	-68236.5	-7519.2	-66781.5	-392916.4	-86.17
13	-363448.0	-52293.6	-2699.7	-51238.2	-364503.4	-86.67
517	-366600.3	-56180.7	-4630.4	-54664.2	-368116.8	-86.01
527	-415643.4	-81360.0	-8570.0	-79574.6	-417428.8	-85.83
21	-420153.8	-80963.4	-7626.9	-78604.2	-421444.6	-85.40
MIN Cent	-714993.2	-140147.7	-30197.7	-140044.4	-715096.4	-89.23
13	-731545.7	-135123.7	-27294.4	-135110.3	-731559.1	-89.73

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

517 -669499.8 -128468.6 -30614.2 -128426.5 -669541.9 -89.49
 527 -692103.0 -141075.0 -32612.1 -140837.5 -692340.5 -88.81
 21 -766824.3 -155923.4 -29292.3 -155775.9 -766971.8 -89.11

NODE Vxx Vyy

MAX Cent 150791.8 6506.0

13 148143.6 6963.6
 517 148143.6 6048.4
 527 153440.0 6048.4
 21 153440.0 6963.6

MIN Cent -104721.5 2767.7

13 -95996.4 3547.9
 517 -95996.4 1987.5
 527 -113446.6 1987.5
 21 -113446.6 3547.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1729 3 3 env SL~1 MAX Cent 4888968.6 2834938.1 289265.8 5514650.4 2209256.3 -25.79

517 4994287.2 2685578.4 289265.8 5574632.0 2105233.6 -24.14
 518 4994287.2 2984297.8 289265.8 5628396.4 2350188.7 -26.09
 528 4783650.0 2984297.8 289265.8 5460699.7 2307248.1 -27.60
 527 4783650.0 2685578.4 289265.8 5401084.5 2068143.9 -25.49

MIN Cent -1354421.0 -652702.3 -1294854.1 -548834.3 -1458289.0 70.25

517 -1379433.6 -615137.3 -1294854.1 -518002.7 -1476568.1 71.44
 518 -1379433.6 -690267.3 -1294854.1 -584948.0 -1484752.9 69.99
 528 -1329408.4 -690267.3 -1294854.1 -578792.6 -1440883.2 68.92
 527 -1329408.4 -615137.3 -1294854.1 -512685.5 -1431860.2 70.50

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -377078.4 -66829.2 -10560.2 -64167.4 -379740.2 -84.73

517 -365027.2 -55866.1 -6171.8 -53899.4 -366993.9 -85.45
 518 -346227.0 -57139.8 -8254.3 -54512.0 -348854.8 -84.58
 528 -381465.7 -72960.8 -10729.9 -69748.3 -384678.3 -84.20
 527 -415593.7 -81350.1 -10017.8 -78904.5 -418039.2 -85.13

MIN Cent -616478.4 -123732.2 -36788.0 -123417.8 -616792.8 -88.55

517 -654178.5 -125404.3 -32692.8 -125328.2 -654254.7 -89.31
 518 -582818.8 -112431.9 -35242.3 -112268.6 -585385.4 -88.89
 528 -616378.8 -115505.1 -39664.8 -114883.9 -619492.0 -87.88
 527 -694665.7 -141587.6 -37115.3 -141198.5 -695054.7 -88.48

NODE Vxx Vyy

MAX Cent 118946.9 5384.9

517 122856.6 6048.4
 518 122856.6 4721.4

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

528 115037.2 4721.4
527 115037.2 6048.4
MIN Cent -177054.7 757.7
517 -161800.9 1987.5
518 -161800.9 -478.9
528 -192308.5 -478.9
527 -192308.5 1987.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1730 3 3 env SL~1 MAX Cent 4832721.5 3180370.5 370309.4 5848129.8 2164962.2 -31.67
518 4986107.5 2973048.4 370309.4 5908817.9 2050338.0 -29.28
519 4986107.5 3387692.6 370309.4 6016544.2 2357256.0 -32.05
529 4679335.5 3387692.6 370309.4 5801549.8 2265478.3 -34.29
528 4679335.5 2973048.4 370309.4 5680030.9 1972353.0 -31.30
MIN Cent -1306364.6 -731573.7 -1645863.0 -550220.6 -1487717.7 63.91
518 -1345730.4 -680656.0 -1645863.0 -515488.5 -1510898.0 65.96
519 -1345730.4 -782491.3 -1645863.0 -598881.2 -1529340.5 63.63
529 -1266998.8 -782491.3 -1645863.0 -582234.1 -1467256.0 61.60
528 -1266998.8 -680656.0 -1645863.0 -501515.5 -1446139.3 64.18

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -334827.7 -60375.6 -12045.7 -56132.3 -339071.0 -82.97
518 -342373.6 -56369.1 -10159.4 -53270.9 -345471.9 -84.09
519 -299856.1 -54586.1 -10985.6 -50513.6 -303928.6 -82.72
529 -315277.8 -57518.7 -12333.7 -52307.8 -320488.6 -81.99
528 -381803.3 -73028.4 -12012.9 -69093.2 -385738.5 -83.60
MIN Cent -627580.5 -115000.8 -41626.8 -111642.3 -630939.1 -85.39
518 -586005.2 -108352.0 -36248.0 -108095.4 -588705.4 -88.59
519 -649781.6 -123183.9 -37650.7 -120505.6 -652459.9 -85.93
529 -660076.3 -120962.9 -44964.2 -117238.4 -663800.7 -85.26
528 -614459.2 -116248.1 -43561.5 -115380.6 -618220.7 -87.50

NODE Vxx Vyy

MAX Cent 82008.1 3944.9
518 94173.1 4721.4
519 94173.1 3168.4
529 69843.1 3168.4
528 69843.1 4721.4
MIN Cent -253575.5 -2100.1
518 -231296.4 -478.9
519 -231296.4 -3721.3
529 -275854.5 -3721.3
528 -275854.5 -478.9

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1731	3	3	env SL~1	MAX Cent	4725562.7	3641295.8	444582.7	6227295.5	2139562.9	-37.31
				519	4900162.0	3366260.8	444582.7	6247849.4	2018573.4	-34.37
				520	4900162.0	3916330.7	444582.7	6439369.6	2377123.0	-37.99
				530	4550963.4	3916330.7	444582.7	6229685.7	2237608.3	-40.43
				529	4550963.4	3366260.8	444582.7	6016368.4	1900855.8	-36.63
				MIN Cent	-1246228.2	-837692.3	-1970654.9	-552696.3	-1531224.1	57.34
				519	-1294737.2	-770464.0	-1970654.9	-516490.8	-1548710.5	60.26
				520	-1294737.2	-904920.5	-1970654.9	-614398.1	-1585259.7	56.84
				530	-1197719.1	-904920.5	-1970654.9	-583253.0	-1519386.6	54.11
				529	-1197719.1	-770464.0	-1970654.9	-490846.7	-1477336.5	57.83
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	-261629.9	-48327.7	-12453.7	-41952.7	-263976.8	-80.34
				519	-293785.5	-53372.0	-10712.7	-48912.5	-298245.0	-82.31
				520	-155029.2	-35834.4	-10408.7	-35204.7	-157641.1	-86.63
				530	-152971.1	-29513.2	-13091.1	-24206.6	-158277.7	-78.52
				529	-315731.6	-57609.4	-13395.0	-51773.1	-321567.9	-81.54
				MIN Cent	-666641.1	-126681.1	-43846.7	-123143.8	-670178.5	-85.39
				519	-647894.2	-122806.5	-37389.9	-120157.4	-650543.3	-85.95
				520	-690917.9	-142860.6	-37156.4	-140353.0	-693425.5	-86.14
				530	-669136.3	-120386.5	-47492.3	-116306.6	-673216.2	-85.09
				529	-658616.2	-120670.8	-47725.9	-116469.5	-662817.6	-84.97
				NODE	Vxx	Vyy				
				MAX Cent	39203.2	2430.5				
				519	61683.2	3168.4				
				520	61683.2	1706.0				
				530	16723.2	1706.0				
				529	16723.2	3168.4				
				MIN Cent	-335070.7	-5455.7				
				519	-305065.4	-3721.3				
				520	-305065.4	-7190.1				
				530	-365076.0	-7190.1				
				529	-365076.0	-3721.3				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1732	3	3	env SL~1	MAX Cent	4541490.9	4229846.8	504663.2	6628768.6	2142569.0	-43.01
				520	4665030.9	3879516.3	504663.2	6544161.5	2000385.8	-40.02
				14	4665030.9	4580177.3	504663.2	6860687.3	2384521.0	-44.46
				22	4417950.8	4580177.3	504663.2	6738214.7	2259913.4	-46.04
				530	4417950.8	3879516.3	504663.2	6402551.2	1894915.9	-41.57
				MIN Cent	-1167552.1	-972016.0	-2237681.0	-555737.8	-1583830.3	50.48
				520	-1209794.4	-889185.3	-2237681.0	-519978.3	-1579001.4	53.81

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

14 -1209794.4 -1054846.7 -2237681.0 -621745.2 -1642895.8 49.36
 22 -1125309.8 -1054846.7 -2237681.0 -584186.7 -1595969.8 47.00
 530 -1125309.8 -889185.3 -2237681.0 -488958.4 -1525536.7 51.58

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-3641.1	-12397.4	-11186.6	16703.5	-33460.1	-39.56
520	-127879.0	-33280.4	-8611.9	-32820.6	-132310.2	-87.03
14	123275.4	9090.5	-7375.6	126290.8	6611.1	-8.59
22	146911.2	31564.6	-12846.9	153296.1	25179.6	-12.90
530	-156871.9	-30293.3	-14083.1	-24673.5	-162491.8	-78.35
MIN Cent	-672531.4	-132921.2	-42287.8	-129627.3	-675825.3	-85.55
520	-682955.4	-141268.1	-35490.6	-138952.7	-685270.8	-86.27
14	-701977.6	-158731.4	-32976.4	-156737.0	-703972.0	-86.54
22	-637357.2	-111558.9	-45737.4	-107610.0	-641306.0	-85.07
530	-667835.4	-120126.3	-48251.6	-115908.0	-672053.8	-85.00

NODE	Vxx	Vyy
MAX Cent	-10463.1	1147.7
520	24553.7	1706.0
14	24553.7	589.3
22	-45480.0	589.3
530	-45480.0	1706.0
MIN Cent	-422256.2	-8624.6
520	-383761.3	-7190.1
14	-383761.3	-10059.2
22	-460751.0	-10059.2
530	-460751.0	-7190.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1733	3	3	env SL~1	MAX Cent	4248353.6	4980486.8	535564.6	7026833.0	2202007.4	-49.36
				14	4163361.4	4521549.8	535564.6	6733648.9	1951262.3	-47.15
				15	4163361.4	5439423.9	535564.6	7269755.4	2333029.9	-52.49
				23	4333345.8	5439423.9	535564.6	7334155.9	2438613.8	-51.53
				22	4333345.8	4521549.8	535564.6	6813781.0	2041114.6	-46.13
				MIN Cent	-1063904.6	-1149682.6	-2384477.1	-569514.4	-1644072.8	42.71
				14	-1064236.7	-1034117.2	-2384477.1	-513400.6	-1584953.3	45.81
				15	-1064236.7	-1265248.0	-2384477.1	-619828.7	-1709656.0	39.69
				23	-1063572.5	-1265248.0	-2384477.1	-619435.3	-1709385.3	39.67
				22	-1063572.5	-1034117.2	-2384477.1	-513077.8	-1584612.0	45.79

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	317548.4	49343.0	-7508.5	319442.9	47448.6	-4.79
14	150373.1	11825.0	-2889.2	154950.8	11551.4	-9.74
15	463017.3	81226.1	-382.0	464684.3	79559.1	-3.77

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

23 511704.0 85299.4 -11610.9 513220.9 83782.5 -3.41
22 145099.2 31202.2 -14116.8 151115.1 25186.4 -12.62
MIN Cent -639334.6 -131154.6 -34197.1 -128863.7 -641625.5 -86.17
14 -686872.7 -155710.5 -33282.1 -153633.2 -688950.0 -86.43
15 -673857.8 -150781.8 -27709.8 -149318.0 -675321.6 -86.98
23 -560866.6 -106890.4 -37182.1 -103865.2 -563891.7 -85.35
22 -635741.4 -111235.7 -42754.4 -107773.5 -639203.6 -85.37

```

```

NODE Vxx Vyy
-----
MAX Cent -68015.0 372.0
14 -19019.3 589.3
15 -19019.3 1635.6
23 -117010.6 1635.6
22 -117010.6 589.3
MIN Cent -515528.5 -8019.3
14 -468524.3 -10059.2
15 -468524.3 -6148.8
23 -562532.6 -6148.8
22 -562532.6 -10059.2

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1734 3 3 env SL~1 MAX Cent 3738649.1 5301468.9 457874.8 6708760.9 2331357.0 -55.46
15 2991913.6 5337483.0 457874.8 6521653.7 1807742.9 -59.92
5016 2991913.6 5265454.8 457874.8 6467928.1 1789440.3 -59.54
5024 4485384.6 5265454.8 457874.8 6956751.5 2794087.8 -50.40
23 4485384.6 5337483.0 457874.8 6999814.2 2823053.4 -50.89
MIN Cent -907431.9 -1225023.4 -2044459.5 -581598.5 -1550856.8 35.44
15 -766448.1 -1233953.5 -2044459.5 -486109.7 -1514291.9 31.48
5016 -766448.1 -1216093.3 -2044459.5 -481178.0 -1501363.4 31.92
5024 -1048415.8 -1216093.3 -2044459.5 -666767.4 -1597741.7 39.81
23 -1048415.8 -1233953.5 -2044459.5 -674006.5 -1608362.7 39.27

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 704493.0 106428.0 -2457.9 705205.2 105715.8 -1.98
15 485389.1 85700.4 45261.7 487548.9 83540.6 4.19
5016 855727.7 87715.1 49510.2 857232.1 86210.6 2.53
5024 958992.0 165765.3 -38851.3 963271.7 161485.5 -4.19
23 517863.2 86531.2 -42906.5 526872.8 77521.6 -8.14
MIN Cent -558807.3 -140318.2 -23775.6 -138971.8 -560153.7 -86.76
15 -650653.5 -146140.9 14430.8 -144046.7 -652747.8 86.32
5016 -606481.6 -224941.6 22442.4 -220413.0 -611010.2 83.82
5024 -423211.1 -84496.8 -64011.6 -72803.3 -434904.6 -79.65
23 -554882.8 -105693.7 -73252.4 -94049.7 -566526.8 -80.97

```

```

NODE Vxx Vyy

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent -148121.0 -6503.6
  15 -94758.6  1635.6
 5016 -94758.6 -13105.6
 5024 -201483.5 -13105.6
   23 -201483.5  1635.6
MIN Cent -628659.8 -18060.1
  15 -584905.7 -6148.8
 5016 -584905.7 -29971.5
 5024 -672413.9 -29971.5
   23 -672413.9 -6148.8
  
```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1735 3 3 env SL~1 MAX Cent 3875878.5 5440583.9 1029215.2 5948715.9 3368052.1 63.62
      5017 3773430.8 5457780.3 1029215.2 5942938.8 3288298.3 64.64
      18 3773430.8 5423387.6 1029215.2 5915329.5 3281945.9 64.36
      26 3978326.1 5423387.6 1029215.2 5956242.1 3446051.3 62.53
      5025 3978326.1 5457780.3 1029215.2 5982999.0 3453267.6 62.85
MIN Cent -1527250.3 -1288910.1 -306851.4 -1081697.0 -1736399.9 -55.71
      5017 -1485022.9 -1292050.5 -306851.4 -1069735.7 -1709179.9 -53.81
      18 -1485022.9 -1285769.8 -306851.4 -1065630.9 -1707222.8 -54.08
      26 -1569477.6 -1285769.8 -306851.4 -1092292.5 -1764951.7 -57.51
      5025 -1569477.6 -1292050.5 -306851.4 -1096749.2 -1766595.3 -57.27
  
```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
  
```

```

-----
MAX Cent 1270446.2 249726.5 22095.8 1270446.5 249726.2 0.03
      5017 1460362.0 280178.0 16696.9 1460365.0 280175.0 -0.09
      18 1057011.5 227117.9 19446.1 1057011.7 226737.2 -0.02
      26 1065828.2 211847.4 17100.7 1065829.6 211846.0 0.07
      5025 1498583.2 302261.2 14351.6 1498583.4 302261.0 -0.02
MIN Cent 696215.7 145492.1 538.9 697100.8 144607.0 2.29
      5017 777542.3 143660.3 -1896.0 777981.8 143220.8 1.51
      18 575131.5 129167.6 -326.9 575977.8 128321.2 2.49
      26 599319.1 105148.1 1097.6 599924.9 105130.9 2.03
      5025 832869.8 179301.6 -469.1 833191.0 179260.7 1.28
  
```

```

NODE Vxx Vyy
-----
  
```

```

-----
MAX Cent 634741.8 12309.7
      5017 633129.6 11961.6
      18 633129.6 12720.1
      26 655638.8 12720.1
      5025 655638.8 11961.6
MIN Cent 282379.1 -3267.6
      5017 266982.3 -10748.6
      18 266982.3 -1662.1
      26 297775.9 -1662.1
  
```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5025 297775.9 -10748.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1736	3	3	env SL~1	MAX Cent	4077484.2	5317069.1	1002873.2	5874141.6	3520588.7	60.86
				18	4050363.7	5463708.7	1002873.2	5981714.9	3532357.5	62.62
				19	4050363.7	5170429.4	1002873.2	5757218.3	3464059.4	59.60
				27	4104604.7	5170429.4	1002873.2	5771364.0	3504182.4	59.00
				26	4104604.7	5463708.7	1002873.2	5993389.1	3574924.4	62.10
				MIN Cent	-1537630.4	-1255571.9	-293535.6	-1073153.1	-1720655.4	-57.93
				18	-1514960.7	-1287845.8	-293535.6	-1088953.7	-1714366.1	-55.66
				19	-1514960.7	-1223297.9	-293535.6	-1043558.7	-1695403.2	-58.31
				27	-1560300.2	-1223297.9	-293535.6	-1055462.9	-1728796.9	-60.03
				26	-1560300.2	-1287845.8	-293535.6	-1102689.7	-1745959.8	-57.54

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	961808.0	199818.2	23583.8	962345.1	199281.0	1.52
18	1054157.8	227001.2	22503.8	1054557.8	226601.2	1.26
19	867864.7	191505.9	23843.5	868375.9	190994.6	1.57
27	862471.2	171013.7	24771.3	863177.7	170307.2	1.83
26	1070030.7	212687.9	23431.7	1070030.9	212687.7	0.03
MIN Cent	467315.4	98801.9	1566.0	467381.4	98740.7	0.77
18	577124.3	129566.1	1725.6	578253.0	128437.4	2.87
19	312098.4	90917.1	2216.3	312124.5	88993.3	0.62
27	296255.7	41687.9	1148.5	296361.6	41582.0	1.17
26	599742.6	104505.6	391.9	600878.0	104411.4	2.77

NODE Vxx Vyy

MAX Cent	568496.2	13145.6
18	558599.1	12720.1
19	558599.1	13571.2
27	578393.4	13571.2
26	578393.4	12720.1
MIN Cent	293858.3	-1531.6
18	283324.0	-1662.1
19	283324.0	-1401.2
27	304392.5	-1401.2
26	304392.5	-1662.1

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1737	3	3	env SL~1	MAX Cent	4282343.3	5052058.9	965371.6	5704542.9	3629859.2	55.89
				19	4358881.9	5211401.2	965371.6	5838545.5	3731737.6	56.93
				521	4358881.9	4892716.5	965371.6	5625477.8	3626195.5	52.75
				531	4205804.6	4892716.5	965371.6	5572105.6	3526556.0	54.81

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

27 4205804.6 5211401.2 965371.6 5795234.8 3621971.1 58.78
 MIN Cent -1548850.5 -1191012.5 -279596.7 -1039631.2 -1700231.8 -61.40
 19 -1552965.8 -1225541.9 -279596.7 -1066937.5 -1711570.3 -60.26
 521 -1552965.8 -1156483.1 -279596.7 -1013570.6 -1695878.2 -62.76
 531 -1544735.2 -1156483.1 -279596.7 -1011830.1 -1689388.1 -62.48
 27 -1544735.2 -1225541.9 -279596.7 -1064892.8 -1705384.4 -59.95

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	766720.0	162019.8	25016.6	767377.6	161362.1	1.89
19	867499.6	191432.9	25086.9	868032.6	190899.9	1.61
521	677526.1	155247.9	25234.0	678177.3	154596.7	2.02
531	660438.1	130595.7	24575.7	661230.4	129803.4	2.21
27	861416.1	170802.7	24428.7	862056.6	170162.2	1.74
MIN Cent	165383.5	38253.9	2277.4	165433.1	38204.3	1.13
19	321555.5	91251.1	1888.8	321687.7	89132.4	1.38
521	24822.9	26022.0	2233.7	30260.9	20749.6	47.81
531	19600.7	-8638.1	1635.2	19744.1	-8760.4	4.08
27	292893.8	41015.5	1290.2	292924.5	40984.8	0.63

NODE	Vxx	Vyy

MAX Cent	501018.8	11718.1
19	497322.5	13571.2
521	497322.5	9865.1
531	504715.1	9865.1
27	504715.1	13571.2
MIN Cent	275199.5	-555.7
19	265255.3	-1401.2
521	265255.3	289.7
531	285143.7	289.7
27	285143.7	-1401.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1738	3	3	env SL~1	MAX Cent	4473339.7	4774203.6	868541.0	5503668.5	3743874.8	49.92
				521	4629716.7	4930915.8	868541.0	5660241.7	3900390.8	49.93
				522	4629716.7	4617491.4	868541.0	5490567.7	3756640.4	44.80
				532	4316962.7	4617491.4	868541.0	5347095.2	3587358.9	49.92
				531	4316962.7	4930915.8	868541.0	5543625.7	3704252.8	54.75
				MIN Cent	-1557145.6	-1124195.9	-251759.7	-1009796.6	-1671544.9	-65.43
				521	-1581614.5	-1158142.1	-251759.7	-1042084.8	-1697671.9	-65.12
				522	-1581614.5	-1090249.8	-251759.7	-985252.5	-1686611.8	-67.24
				532	-1532676.6	-1090249.8	-251759.7	-977469.5	-1645456.8	-65.74
				531	-1532676.6	-1158142.1	-251759.7	-1032862.7	-1657956.0	-63.41

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 571866.3 123857.1 24031.9 572571.6 123151.7 2.27
  521 678490.9 155440.9 24680.6 679083.5 154848.3 1.93
  522 489158.8 118513.1 23722.7 489865.0 117806.9 2.50
  532 460993.2 91201.8 23241.3 461850.8 90344.1 2.75
  531 658822.3 130272.5 24199.3 659522.5 129572.3 2.08
MIN Cent -101980.5 -16672.4 2092.4 -16621.1 -102031.8 88.60
  521 33196.5 27719.1 2451.0 35544.1 25613.4 29.21
  522 -228210.5 -29813.7 2536.7 -29738.5 -228285.7 88.89
  532 -229768.4 -55241.5 1793.5 -55223.1 -229786.8 89.41
  531 16027.2 -9353.4 1709.9 16208.9 -9511.8 4.84

```

NODE Vxx Vyy

```

MAX Cent 432925.6 8667.3
  521 432252.1 9865.1
  522 432252.1 7469.5
  532 433599.0 7469.5
  531 433599.0 9865.1
MIN Cent 244842.3 645.8
  521 236342.3 289.7
  522 236342.3 1001.9
  532 253342.3 1001.9
  531 253342.3 289.7

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1739 3 3 env SL~1 MAX Cent 4637028.9 4517170.1 720982.8 5299322.0 3854877.0 42.62
  522 4847018.3 4650229.3 720982.8 5475050.2 4022221.8 41.11
  523 4847018.3 4384110.8 720982.8 5371596.7 3859541.0 36.09
  533 4427039.5 4384110.8 720982.8 5125626.9 3685523.4 44.15
  532 4427039.5 4650229.3 720982.8 5266966.2 3810302.6 49.41
MIN Cent -1559327.1 -1062108.0 -212191.9 -984630.5 -1636804.6 -69.84
  522 -1597304.9 -1090686.1 -212191.9 -1014311.1 -1673679.8 -70.10
  523 -1597304.9 -1033530.0 -212191.9 -963300.1 -1667534.8 -71.59
  533 -1521349.2 -1033530.0 -212191.9 -954921.4 -1599957.8 -69.57
  532 -1521349.2 -1090686.1 -212191.9 -1004531.7 -1607503.6 -67.79

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 381029.3 86293.7 20965.1 381688.6 85634.4 2.70
  522 491294.0 118940.2 22087.9 491858.9 118375.3 2.23
  523 306137.4 82346.5 20120.8 306806.9 81677.0 3.13
  533 267600.3 53067.8 19778.5 268431.4 52236.6 3.55
  532 459085.3 90820.2 21745.6 459747.8 90157.7 2.43
MIN Cent -330748.7 -63203.6 2060.4 -63187.7 -330764.6 89.56
  522 -220768.9 -28325.4 2517.9 -28258.0 -220836.3 88.93
  523 -432917.0 -74859.1 2376.4 -74827.5 -432948.5 89.46
  533 -435959.2 -93672.0 1578.0 -93661.7 -435969.5 89.68
  532 -233349.7 -55957.8 1719.6 -55932.4 -233375.2 89.31

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	364674.9	6505.1
522	365249.6	7469.5
523	365249.6	6229.1
533	364100.2	6229.1
532	364100.2	7469.5
MIN Cent	213210.7	1132.4
522	206169.6	1001.9
523	206169.6	1262.8
533	220251.9	1262.8
532	220251.9	1001.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1740	3	3	env SL~1	MAX Cent	4770564.4	4307689.8	535833.0	5121677.6	3956576.6	33.30
				523	5012304.3	4410779.8	535833.0	5324942.2	4098141.9	30.32
				524	5012304.3	4204599.8	535833.0	5278450.9	3938453.2	26.47
				534	4528824.5	4204599.8	535833.0	4925355.4	3808069.0	36.57
				533	4528824.5	4410779.8	535833.0	5007654.8	3931949.5	41.85
				MIN Cent	-1554559.2	-1010767.8	-164270.6	-965463.8	-1599863.2	-74.50
				523	-1600386.0	-1032576.4	-164270.6	-988929.2	-1644033.2	-75.04
				524	-1600386.0	-988959.1	-164270.6	-948047.2	-1641297.8	-75.94
				534	-1508732.4	-988959.1	-164270.6	-941877.6	-1555814.0	-73.92
				533	-1508732.4	-1032576.4	-164270.6	-981916.6	-1559392.2	-72.77

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	197326.1	49935.6	16014.1	197820.2	49441.6	3.31
523	309086.5	82936.3	17575.1	309507.1	82515.8	2.47
524	131023.3	47378.8	14739.9	131567.1	46835.1	4.59
534	83517.9	16744.3	14443.2	84326.1	15936.0	6.24
533	265676.9	52683.1	17278.4	266182.2	52177.8	2.79
MIN Cent	-513654.7	-100352.8	1512.0	-100346.0	-513661.5	89.77
523	-426648.3	-73605.3	2075.5	-73580.1	-426673.6	89.52
524	-590582.3	-109470.6	1520.5	-109457.8	-590595.2	89.70
534	-598212.6	-124019.9	914.2	-124015.9	-598216.6	89.83
533	-439175.4	-94315.2	1380.3	-94305.1	-439185.6	89.69

NODE	Vxx	Vyy

MAX Cent	296373.4	6165.9
523	297256.1	6229.1
524	297256.1	6102.7
534	295490.7	6102.7
533	295490.7	6229.1
MIN Cent	180360.6	1283.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

523 174921.9 1262.8
524 174921.9 1304.1
534 185799.4 1304.1
533 185799.4 1262.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1741	3	3	env SL~1	MAX Cent	4872297.2	4155711.9	325296.0	4997103.0	4030962.4	21.06

524	5128631.9	4225037.1	325296.0	5232832.9	4120926.3	17.82
20	5128631.9	4086386.6	325296.0	5221171.8	3993937.8	15.94
28	4615962.6	4086386.6	325296.0	4769646.8	3932688.7	25.37
534	4615962.6	4225037.1	325296.0	4798933.3	4041997.9	29.45
MIN Cent	-1542528.7	-972377.6	-111084.7	-951750.1	-1563156.2	-79.42
524	-1591823.7	-986553.0	-111084.7	-967047.9	-1611328.8	-79.98
20	-1591823.7	-958202.3	-111084.7	-939520.3	-1610505.6	-80.39
28	-1493233.6	-958202.3	-111084.7	-936320.4	-1515115.5	-78.79
534	-1493233.6	-986553.0	-111084.7	-963546.4	-1516240.2	-78.23

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
------	-----	-----	-----	------	------	-------

MAX Cent	23518.9	15354.5	9507.3	23897.6	14975.8	11.89
524	134436.7	48061.5	11442.7	134582.0	47916.2	2.35
20	-33857.8	14204.3	7925.6	14204.3	-33857.8	-89.94
28	-88275.5	-17243.0	7584.8	-17242.7	-88275.8	89.88
534	81772.2	16395.2	11101.9	81985.8	16181.6	3.27
MIN Cent	-651247.8	-128318.5	103.7	-128317.8	-651248.4	89.94
524	-585659.6	-108486.1	799.4	-108479.1	-585666.5	89.78
20	-702384.7	-134035.8	-48.6	-134034.2	-702386.2	89.91
28	-716151.1	-146215.5	-534.9	-146215.5	-716151.1	90.00
534	-600795.6	-124536.5	323.4	-124534.8	-600797.3	89.89

NODE	Vxx	Vyy
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MAX Cent	256805.0	6020.4
524	255384.4	6102.7
20	255384.4	5938.2
28	258225.6	5938.2
534	258225.6	6102.7
MIN Cent	146174.8	1314.1
524	142487.1	1304.1
20	142487.1	1324.2
28	149862.5	1324.2
534	149862.5	1304.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
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1742	3	3	env SL~1	MAX Cent	4942526.1	4066174.3	99937.0	4953491.7	4055271.9	6.34
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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20 5200343.9 4100636.4 99937.0 5209069.1 4091911.3 5.07
525 5200343.9 4031712.2 99937.0 5208561.8 4023494.3 4.78
535 4684768.5 4031712.2 99937.0 4699340.4 4017215.6 8.40
28 4684768.5 4100636.4 99937.0 4700973.5 4084513.4 9.33
MIN Cent -1523296.9 -948066.7 -55293.3 -942900.5 -1528463.0 -84.61
20 -1572644.8 -954355.9 -55293.3 -949543.8 -1577456.9 -84.98
525 -1572644.8 -941777.4 -55293.3 -937059.9 -1577362.3 -85.08
535 -1473948.9 -941777.4 -55293.3 -936201.6 -1479524.8 -84.19
28 -1473948.9 -954355.9 -55293.3 -948647.9 -1479656.9 -84.05

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -137777.9 -16893.8 1851.9 -16600.0 -138071.7 -87.18
20 -30265.0 14922.9 4075.2 15245.1 -30587.2 -85.19
525 -186163.8 -16621.3 96.5 -16259.4 -186525.6 -87.36
535 -244958.6 -48344.2 -351.9 -48020.2 -245282.6 -87.68
28 -89724.1 -17532.7 3626.8 -17314.3 -89942.5 -86.86
MIN Cent -743736.2 -147205.2 -5967.3 -147201.9 -743739.5 -89.87
20 -698930.0 -133344.8 -3829.5 -133344.8 -698930.0 -89.99
525 -768850.2 -148745.6 -7840.6 -148742.2 -768853.5 -89.87
535 -789233.4 -160158.9 -7987.7 -160150.6 -789241.7 -89.79
28 -717931.1 -146571.5 -3976.6 -146569.9 -717932.8 -89.90

```

NODE Vxx Vyy

```

MAX Cent 236107.7 5851.6
20 236517.0 5938.2
525 236517.0 5765.0
535 235698.3 5765.0
28 235698.3 5938.2
MIN Cent 103768.2 1385.2
20 102386.0 1324.2
525 102386.0 1446.3
535 105150.4 1446.3
28 105150.4 1324.2

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1743 3 3 env SL~1 MAX Cent 4982807.8 4040217.8 2167.4 5001122.3 4021903.3 -7.86
525 5231483.7 4039803.9 2167.4 5246072.9 4025214.7 -6.28
526 5231483.7 4040631.7 2167.4 5246082.8 4026032.6 -6.28
536 4734131.8 4040631.7 2167.4 4758641.9 4016121.6 -10.47
535 4734131.8 4039803.9 2167.4 4758614.6 4015321.1 -10.46
MIN Cent -1497007.2 -938123.4 -132659.3 -938120.8 -1497009.8 89.88
525 -1543535.2 -936519.5 -132659.3 -936517.1 -1543537.6 89.89
526 -1543535.2 -939727.2 -132659.3 -939724.8 -1543537.6 89.89
536 -1450479.2 -939727.2 -132659.3 -939724.4 -1450482.0 89.87
535 -1450479.2 -936519.5 -132659.3 -936516.7 -1450482.0 89.87

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-283947.8	-46249.8	-1924.9	-45385.5	-284812.1	-86.56
525	-182615.7	-15911.6	-1549.8	-15055.2	-183472.1	-85.91
526	-323384.2	-44536.8	-2469.3	-43598.7	-324322.3	-86.69
536	-383743.9	-75988.8	-2500.7	-75094.8	-384637.9	-86.92
535	-246047.4	-48562.0	-1581.2	-47787.9	-246821.6	-86.42
MIN Cent	-790866.2	-156999.1	-14359.5	-156970.7	-790894.6	-89.62
525	-766928.8	-148361.3	-11979.1	-148347.5	-766942.5	-89.73
526	-789784.2	-153630.5	-16201.5	-153596.8	-789818.0	-89.58
536	-816630.0	-165667.9	-16611.0	-165622.0	-816675.9	-89.52
535	-790121.9	-160336.6	-12388.6	-160314.3	-790144.2	-89.66

NODE	Vxx	Vyy

MAX Cent	211278.2	5680.7
525	213517.3	5765.0
526	213517.3	5596.3
536	209039.1	5596.3
535	209039.1	5765.0
MIN Cent	37348.3	1593.0
525	34470.4	1446.3
526	34470.4	1739.6
536	40226.1	1739.6
535	40226.1	1446.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1744	3	3	env SL~1	MAX Cent	4993195.5	4077108.3	56093.6	5118182.4	3952121.3	-19.11
				526	5222443.1	4042709.2	56093.6	5323997.7	3941154.6	-15.72
				21	5222443.1	4111507.3	56093.6	5329293.3	4004657.1	-16.50
				29	4763947.8	4111507.3	56093.6	4924081.7	3951373.4	-23.94
				536	4763947.8	4042709.2	56093.6	4913394.2	3893262.8	-22.50
				MIN Cent	-1463811.0	-942380.8	-360722.5	-936574.5	-1469617.4	84.01
				526	-1504739.1	-933088.0	-360722.5	-927782.0	-1510045.1	84.52
				21	-1504739.1	-951673.7	-360722.5	-946192.8	-1510220.0	84.34
				29	-1422882.9	-951673.7	-360722.5	-945264.1	-1429292.5	83.39
				536	-1422882.9	-933088.0	-360722.5	-926915.5	-1429055.4	83.63

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-412249.4	-72131.4	-3678.2	-70589.9	-413790.9	-86.16
526	-320062.1	-43872.4	-3510.0	-42363.2	-321571.3	-85.78
21	-418189.0	-68946.0	-4435.7	-67322.1	-418992.8	-86.24
29	-477577.3	-99577.1	-4178.9	-97993.0	-478381.5	-86.42
536	-384451.8	-76130.4	-3253.2	-74696.8	-385885.4	-86.11
MIN Cent	-791853.3	-157563.8	-22949.8	-157465.9	-791951.2	-89.29
526	-789414.4	-153556.6	-20472.0	-153490.3	-789480.6	-89.42

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

21 -764247.5 -148564.4 -24689.7 -148444.9 -764367.1 -89.20
 29 -797141.8 -162470.3 -25290.0 -162330.4 -797281.8 -89.15
 536 -816609.6 -165663.8 -21072.4 -165581.1 -816692.3 -89.35

NODE Vxx Vyy

 MAX Cent 182036.6 5516.1
 526 186013.1 5596.3
 21 186013.1 5435.8
 29 178060.0 5435.8
 536 178060.0 5596.3
 MIN Cent -33991.7 1953.7
 526 -38212.8 1739.6
 21 -38212.8 2036.6
 29 -29770.7 2036.6
 536 -29770.7 1739.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

 1745 3 3 env SL~1 MAX Cent 4974202.0 4174213.6 106085.9 5276633.9 3871781.8 -27.64
 21 5173018.2 4107708.6 106085.9 5425938.5 3854788.4 -23.65
 527 5173018.2 4240718.6 106085.9 5448961.8 3964775.0 -25.54
 537 4775385.9 4240718.6 106085.9 5144349.6 3871754.9 -32.58
 29 4775385.9 4107708.6 106085.9 5108521.9 3774572.6 -29.98
 MIN Cent -1423855.0 -960256.5 -577414.1 -937377.3 -1446734.2 77.76
 21 -1456062.7 -943682.5 -577414.1 -922810.2 -1476935.0 78.81
 527 -1456062.7 -976830.4 -577414.1 -954633.4 -1478259.6 78.12
 537 -1391647.4 -976830.4 -577414.1 -951540.6 -1416937.2 76.52
 29 -1391647.4 -943682.5 -577414.1 -920079.9 -1415250.0 77.39

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent -443996.2 -84540.6 -5462.5 -83044.2 -445492.6 -86.32
 21 -417647.6 -68356.7 -5476.5 -66129.0 -418896.5 -85.58
 527 -413390.0 -70093.2 -6457.4 -68316.8 -415166.4 -85.90
 537 -467938.7 -98022.7 -5908.4 -96259.9 -469701.6 -86.06
 29 -477008.6 -99465.3 -4927.6 -97478.8 -478251.2 -85.82
 MIN Cent -745342.3 -148644.6 -31301.3 -148394.8 -745592.1 -88.83
 21 -765398.5 -148794.6 -28851.0 -148607.2 -765586.0 -89.00
 527 -690546.1 -133290.6 -32852.2 -132979.8 -690856.9 -88.65
 537 -729156.2 -150197.5 -33604.6 -149855.9 -729497.8 -88.61
 29 -796268.6 -162295.7 -29603.4 -162081.5 -796482.8 -88.95

NODE Vxx Vyy

 MAX Cent 147933.3 5357.8
 21 153440.0 5435.8
 527 153440.0 5279.8

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

537 142426.6 5279.8
29 142426.6 5435.8
MIN Cent -107866.3 2286.6
21 -113446.6 2036.6
527 -113446.6 2536.6
537 -102285.9 2536.6
29 -102285.9 2036.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1746 3 3 env SL~1 MAX Cent 4926846.4 4326578.2 149907.4 5456720.2 3796704.4 -34.40
527 5081978.0 4231247.5 149907.4 5539657.6 3773567.9 -30.60
528 5081978.0 4421908.8 149907.4 5593225.5 3910661.4 -33.45
538 4771714.9 4421908.8 149907.4 5390174.1 3803449.6 -38.63
537 4771714.9 4231247.5 149907.4 5321151.2 3681811.2 -35.38
MIN Cent -1377342.0 -990591.9 -773842.8 -939563.7 -1428370.2 71.15
527 -1396986.3 -967527.8 -773842.8 -920632.0 -1443882.2 72.58
528 -1396986.3 -1013656.1 -773842.8 -962268.6 -1448373.8 71.03
538 -1357697.6 -1013656.1 -773842.8 -957794.8 -1413558.8 69.51
537 -1357697.6 -967527.8 -773842.8 -916854.4 -1408371.1 71.27

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -421613.7 -80459.6 -7366.7 -77719.6 -424353.7 -84.90
527 -413340.3 -70083.2 -7516.5 -67737.0 -415686.5 -85.29
528 -379637.7 -63820.7 -8578.6 -60633.1 -382825.2 -84.29
538 -426441.6 -90092.5 -7762.3 -86913.3 -429620.8 -84.47
537 -467035.3 -97842.1 -6700.2 -95508.9 -469368.4 -85.47
MIN Cent -649384.0 -129890.2 -39001.1 -129323.3 -649950.8 -88.11
527 -693108.8 -133803.2 -36643.9 -133370.5 -693541.4 -88.41
528 -614474.2 -107730.3 -40238.4 -107556.2 -617630.3 -88.86
538 -662962.1 -132003.6 -41193.5 -128826.7 -666139.0 -85.59
537 -727575.0 -149881.2 -37599.0 -149401.5 -728054.8 -88.35

NODE Vxx Vyy

MAX Cent 108356.1 5195.4
527 115037.2 5279.8
528 115037.2 5110.9
538 101675.0 5110.9
537 101675.0 5279.8
MIN Cent -185202.3 2924.5
527 -192308.5 2536.6
528 -192308.5 3312.5
538 -178096.1 3312.5
537 -178096.1 2536.6

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1747	3	3	env SL~1	MAX Cent	4853159.7	4525138.2	185130.3	5643678.0	3734619.9	-40.05
				528	4948289.0	4407171.5	185130.3	5656212.9	3699247.6	-36.97
				529	4948289.0	4643104.9	185130.3	5748330.4	3843063.5	-40.39
				539	4758030.4	4643104.9	185130.3	5642654.8	3758480.6	-43.25
				538	4758030.4	4407171.5	185130.3	5539158.1	3626043.7	-39.72
				MIN Cent	-1324720.1	-1031472.1	-940333.0	-942214.7	-1413977.5	64.22
				528	-1326978.5	-1003131.7	-940333.0	-919371.1	-1410739.1	65.61
				529	-1326978.5	-1059812.5	-940333.0	-965391.5	-1421399.6	62.93
				539	-1322461.6	-1059812.5	-940333.0	-964448.8	-1417825.4	62.70
				538	-1322461.6	-1003131.7	-940333.0	-918595.2	-1406998.1	65.42
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	-367559.3	-70131.4	-9521.4	-65600.9	-372089.9	-83.02
				528	-379975.2	-63888.2	-9672.9	-60076.5	-383787.0	-83.77
				529	-314076.5	-51512.6	-10912.0	-46216.0	-319373.1	-82.00
				539	-350794.0	-75242.6	-9912.9	-69855.6	-356180.9	-82.12
				538	-425391.6	-89882.4	-8673.8	-86030.4	-429243.6	-83.92
				MIN Cent	-658291.4	-122530.4	-45703.1	-118659.7	-662162.2	-85.16
				528	-612554.6	-108326.0	-43364.8	-108105.7	-616227.4	-88.72
				529	-658785.3	-114508.0	-46407.1	-110579.5	-662713.8	-85.16
				539	-699125.6	-139439.4	-47823.8	-135382.4	-703182.6	-85.15
				538	-662700.3	-131951.2	-44781.6	-128199.4	-666452.2	-85.21
				NODE	Vxx	Vyy				
				MAX Cent	62533.6	4990.3				
				528	69843.1	5110.9				
				529	69843.1	4869.6				
				539	55224.1	4869.6				
				538	55224.1	5110.9				
				MIN Cent	-266929.2	3777.5				
				528	-275854.5	3312.5				
				529	-275854.5	4242.6				
				539	-258003.9	4242.6				
				538	-258003.9	3312.5				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1748	3	3	env SL~1	MAX Cent	4757639.5	4754191.6	209140.4	5822165.5	3689665.6	-44.95
				529	4773542.5	4624000.9	209140.4	5767638.7	3629904.7	-42.99
				530	4773542.5	4884382.2	209140.4	5896650.2	3761274.5	-46.49
				540	4741736.4	4884382.2	209140.4	5881690.7	3744428.0	-46.91
				539	4741736.4	4624000.9	209140.4	5750741.0	3614996.3	-43.42
				MIN Cent	-1266839.7	-1078736.3	-1066248.5	-943780.1	-1401795.9	57.12
				529	-1245928.0	-1048236.5	-1066248.5	-916064.1	-1378100.3	57.67

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

530 -1245928.0 -1109236.1 -1066248.5 -957877.6 -1397286.5 54.06
 540 -1287751.4 -1109236.1 -1066248.5 -971412.7 -1425574.9 56.57
 539 -1287751.4 -1048236.5 -1066248.5 -927285.1 -1408702.8 59.92

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-279026.3	-53115.7	-12236.2	-45619.1	-286522.9	-79.84
529	-314530.4	-51603.3	-12132.0	-45733.1	-320400.6	-81.59
530	-151742.9	-23372.3	-13737.3	-16796.1	-158319.1	-77.55
540	-211828.8	-52899.0	-12714.0	-43158.8	-218441.9	-77.41
539	-349879.1	-75059.6	-11108.7	-68889.3	-356049.4	-81.57
MIN Cent	-681263.1	-127984.4	-51184.6	-123289.1	-685958.4	-84.76
529	-657325.2	-114215.9	-48541.8	-109911.5	-661629.6	-84.93
530	-668737.6	-118393.2	-50961.1	-113714.1	-673416.8	-84.75
540	-700308.7	-139978.0	-53467.0	-134921.8	-705364.9	-84.60
539	-698680.8	-139350.5	-51047.7	-134729.8	-703301.6	-84.83

NODE	Vxx	Vyy

MAX Cent	9549.3	5053.5
529	16723.2	4869.6
530	16723.2	5529.5
540	2375.3	5529.5
539	2375.3	4869.6
MIN Cent	-353957.6	4528.2
529	-365076.0	4242.6
530	-365076.0	4324.4
540	-342839.3	4324.4
539	-342839.3	4242.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1749	3	3	env SL~1	MAX Cent	4649723.9	4987914.8	220479.0	5976729.2	3660909.5	-49.20
				530	4569564.4	4862799.1	220479.0	5871023.1	3561340.4	-48.65
				22	4569564.4	5113030.6	220479.0	6018582.8	3664012.2	-51.67
				30	4729883.3	5113030.6	220479.0	6082862.2	3760051.6	-49.75
				540	4729883.3	4862799.1	220479.0	5943763.8	3648918.6	-46.66
				MIN Cent	-1206093.1	-1127997.5	-1145496.4	-943527.6	-1390563.0	50.03
				530	-1156506.1	-1097086.8	-1145496.4	-904719.7	-1348873.2	48.84
				22	-1156506.1	-1158908.1	-1145496.4	-937623.3	-1377790.9	44.84
				30	-1255680.2	-1158908.1	-1145496.4	-981957.4	-1432630.9	51.20
				540	-1255680.2	-1097086.8	-1145496.4	-942453.2	-1410313.8	54.91

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-35967.5	-10944.6	-16014.8	15671.4	-62583.5	-54.32
530	-155643.7	-24152.4	-15226.6	-16840.2	-162956.0	-77.07
22	147374.3	33880.2	-17491.3	157949.4	23305.0	-16.28

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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30 74692.3 297.2 -16868.5 93943.3 -17234.8 -24.39
540 -210292.9 -52815.0 -14603.8 -42052.4 -219074.1 -76.81
MIN Cent -666826.2 -126724.6 -55455.0 -121089.6 -672461.2 -84.20
530 -667436.8 -118133.0 -51659.5 -113316.9 -672252.9 -84.67
22 -638353.9 -116542.5 -53494.0 -111114.9 -643781.4 -84.21
30 -661741.0 -132352.2 -58414.5 -125983.1 -668110.1 -83.78
540 -699773.0 -139870.9 -56580.0 -134210.5 -705433.4 -84.29

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NODE Vxx Vyy

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MAX Cent -51617.4 5577.8
530 -45480.0 5529.5
22 -45480.0 5626.1
30 -57754.8 5626.1
540 -57754.8 5529.5
MIN Cent -447117.0 3801.7
530 -460751.0 4324.4
22 -460751.0 3214.6
30 -433482.9 3214.6
540 -433482.9 4324.4

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
1750 3 3 env SL~1 MAX Cent 4543318.3 5147878.8 219487.2 6063157.4 3628039.8 -52.19
22 4366824.2 5091749.4 219487.2 5963164.9 3495408.7 -53.54
23 4366824.2 5204008.3 219487.2 6036933.4 3533899.0 -54.77
31 4719812.4 5204008.3 219487.2 6165940.0 3757880.6 -50.80
30 4719812.4 5091749.4 219487.2 6099791.1 3711770.7 -49.48
MIN Cent -1144218.8 -1153004.3 -1179438.9 -929609.7 -1367613.4 44.43
22 -1064236.9 -1146533.3 -1179438.9 -882594.4 -1328175.8 39.68
23 -1064236.9 -1159475.3 -1179438.9 -887780.0 -1335932.2 38.87
31 -1224200.8 -1159475.3 -1179438.9 -970501.5 -1413174.6 49.20
30 -1224200.8 -1146533.3 -1179438.9 -962992.2 -1407741.9 50.03

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 289971.3 52107.4 -21631.1 298765.4 43313.3 -10.69
22 145562.4 33517.8 -19812.7 160020.1 19060.0 -18.68
23 516632.3 109941.0 -23111.1 522319.6 104253.8 -6.70
31 422925.7 64659.0 -22861.3 430302.8 57281.9 -8.08
30 74764.9 311.7 -19562.8 96928.0 -19997.8 -25.59
MIN Cent -609204.3 -116888.2 -58576.3 -110014.7 -616077.8 -83.31
22 -636738.1 -116219.3 -56014.4 -110259.7 -642697.8 -83.93
23 -560388.7 -104501.1 -57435.2 -97376.5 -567513.4 -82.93
31 -578321.8 -114554.8 -60216.5 -106863.8 -586012.9 -82.72
30 -661368.6 -132277.7 -58795.6 -125822.7 -667823.6 -83.73

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent -121355.8  6713.8
  22 -117010.6  5626.1
  23 -117010.6  7801.5
  31 -125701.0  7801.5
  30 -125701.0  5626.1
MIN Cent -546331.1  2541.1
  22 -562532.6  3214.6
  23 -562532.6  1867.5
  31 -530129.6  1867.5
  30 -530129.6  3214.6

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
1751  3  3 env SL~1 MAX Cent 4518472.8 5465266.7 282463.2 6602146.1 3381593.4 -53.55
      23 4518144.1 5199039.2 282463.2 6434913.2 3282270.1 -51.24
      5024 4518144.1 5731494.3 282463.2 6779189.2 3470449.3 -55.76
      5032 4518801.5 5731494.3 282463.2 6779397.3 3470898.5 -55.75
      31 4518801.5 5199039.2 282463.2 6435171.0 3282669.7 -51.23
MIN Cent -1103655.4 -1220988.0 -1539118.3 -874712.4 -1449931.0 39.12
      23 -1047608.7 -1151362.6 -1539118.3 -813184.1 -1385787.2 39.78
      5024 -1047608.7 -1290613.4 -1539118.3 -862451.3 -1475770.8 33.33
      5032 -1159702.0 -1290613.4 -1539118.3 -936087.1 -1514228.3 38.46
      31 -1159702.0 -1151362.6 -1539118.3 -873939.1 -1437125.6 45.42

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 685336.4 121296.0 -22756.1 690584.9 116047.4 -5.48
      23 522791.5 111172.8 -14339.1 527171.1 106793.3 -5.86
      5024 975923.1 250420.8 -19206.0 979437.4 246906.4 -3.97
      5032 821745.2 59339.2 -62312.0 832738.8 48345.7 -6.80
      31 420885.7 64251.0 -57445.0 439797.8 45338.9 -12.65
MIN Cent -501419.4 -108530.0 -55892.5 -101317.8 -508631.7 -82.35
      23 -554405.0 -103304.4 -43759.4 -99612.8 -558096.5 -84.85
      5024 -408582.2 -11352.3 -51321.0 -6866.9 -413067.6 -83.97
      5032 -465136.7 -205062.3 -99890.0 -171124.8 -499074.1 -71.23
      31 -577553.9 -114401.3 -98415.9 -94356.3 -597598.9 -78.49

```

NODE Vxx Vyy

```

-----
MAX Cent -203947.7 29207.3
      23 -201483.5 7801.5
      5024 -201483.5 54115.7
      5032 -206411.8 54115.7
      31 -206411.8 7801.5
MIN Cent -653883.3 16444.5
      23 -672413.9 1867.5
      5024 -672413.9 30608.8
      5032 -635352.7 30608.8

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

31 -635352.7 1867.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1752	3	3	env SL~1	MAX Cent	4017368.3	5820860.7	461953.7	5931996.4	3908008.6	76.47
				5025	4054659.7	6020491.2	461953.7	6123300.4	3953162.8	77.44
				26	4054659.7	5621322.0	461953.7	5747031.3	3930597.5	74.78
				34	3980283.2	5621322.0	461953.7	5742033.2	3861505.0	75.36
				5033	3980283.2	6020491.2	461953.7	6119855.2	3882552.1	77.85
				MIN Cent	-1588245.6	-1373142.3	-183177.4	-1271210.4	-1693111.7	-60.55
				5025	-1586677.6	-1414738.8	-183177.4	-1301618.8	-1703056.1	-57.84
				26	-1586677.6	-1331545.9	-183177.4	-1238296.5	-1682331.3	-62.78
				34	-1590071.6	-1331545.9	-183177.4	-1239112.5	-1684799.1	-62.99
				5033	-1590071.6	-1414738.8	-183177.4	-1302724.0	-1705295.3	-58.09

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	1287273.8	266552.1	23554.9	1287287.3	266538.6	-0.21
5025	1498882.9	303759.3	15659.3	1498890.4	303751.7	-0.14
26	1066248.7	213949.8	19271.5	1066256.2	213942.3	-0.17
34	1103501.4	235670.4	19661.0	1103944.3	235659.5	1.29
5033	1491911.1	312828.8	16048.7	1491921.8	312818.2	-0.17
MIN Cent	745393.1	155597.9	-3707.7	746211.3	154779.7	2.13
5025	820957.4	132385.7	-3005.8	821247.9	132095.2	1.18
26	599255.3	106149.5	-2523.6	599969.5	106033.1	2.20
34	639036.2	146259.1	-3058.9	639182.9	146112.4	0.99
5033	905378.2	225822.0	-3541.1	905682.0	225518.3	1.21

NODE Vxx Vyy

MAX Cent	631728.3	-3411.0
5025	655638.8	-2649.6
26	655638.8	-3576.8
34	607817.8	-3576.8
5033	607817.8	-2649.6
MIN Cent	315496.5	-13809.4
5025	297775.9	-22105.8
26	297775.9	-10498.4
34	333217.1	-10498.4
5033	333217.1	-22105.8

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1753	3	3	env SL~1	MAX Cent	4116970.2	5561028.4	397740.7	5662945.4	4016385.1	75.63
				26	4153213.1	5641105.0	397740.7	5740400.6	4055242.2	75.98
				27	4153213.1	5480951.7	397740.7	5590555.9	4045010.7	74.59
				35	4080727.4	5480951.7	397740.7	5585623.2	3977393.9	75.26

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

34 4080727.4 5641105.0 397740.7 5736287.9 3986811.5 76.54
MIN Cent -1574538.9 -1315335.8 -163625.1 -1237926.3 -1652933.0 -64.53
26 -1572052.2 -1328622.4 -163625.1 -1248207.1 -1653604.1 -63.65
27 -1572052.2 -1302049.2 -163625.1 -1226590.4 -1648499.1 -65.10
35 -1577025.7 -1302049.2 -163625.1 -1227463.6 -1652443.9 -65.36
34 -1577025.7 -1328622.4 -163625.1 -1249176.9 -1657454.3 -63.93

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 976078.5 200717.7 26471.5 976948.7 199847.5 1.92
26 1070451.2 214790.3 22841.0 1070469.0 214772.5 -0.26
27 862385.2 170583.8 25345.7 863257.3 169711.7 2.03
35 879096.6 191054.9 32129.6 880394.5 189757.0 2.48
34 1099898.9 233852.7 29384.4 1100811.0 233838.9 1.85
MIN Cent 466087.2 96673.6 -1455.1 466439.4 96321.5 1.77
26 599678.9 105507.0 -3907.0 600734.7 105425.2 2.67
27 296863.1 44725.1 -2694.4 297085.5 44502.7 1.70
35 322244.1 90286.0 4641.3 323516.3 89001.0 4.23
34 633770.1 145205.9 3428.7 634296.2 144451.8 1.88

```

```

NODE   Vxx   Vyy
-----
MAX Cent 566955.4 -4261.5
26 578393.4 -3576.8
27 578393.4 -4946.3
35 555517.4 -4946.3
34 555517.4 -3576.8
MIN Cent 320514.0 -11441.3
26 304392.5 -10498.4
27 304392.5 -12384.2
35 336635.5 -12384.2
34 336635.5 -10498.4

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1754 3 3 env SL~1 MAX Cent 4229489.5 5424723.9 331484.1 5510059.3 4145010.3 75.56
27 4280194.7 5503289.6 331484.1 5586922.3 4197408.5 75.84
531 4280194.7 5346158.1 331484.1 5440296.6 4186930.5 74.15
541 4178784.3 5346158.1 331484.1 5433262.5 4092545.8 75.28
35 4178784.3 5503289.6 331484.1 5581248.6 4101656.5 76.77
MIN Cent -1564639.0 -1285437.6 -140510.4 -1228013.6 -1621420.4 -67.70
27 -1563456.7 -1299855.2 -140510.4 -1240125.1 -1622529.8 -66.88
531 -1563456.7 -1271019.9 -140510.4 -1215429.2 -1618209.5 -68.36
541 -1565821.3 -1271019.9 -140510.4 -1215749.0 -1620469.9 -68.48
35 -1565821.3 -1299855.2 -140510.4 -1240487.8 -1624741.6 -67.01

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 763148.4 160720.7 30585.0 764434.6 159434.5 2.64
 27 861330.2 170372.8 26196.4 862192.0 169510.9 2.02
531 661092.8 133868.9 27168.8 662224.4 132737.3 2.65
541 655347.5 148440.8 35089.2 657227.8 146560.5 3.48
 35 874823.0 190200.2 34116.8 876214.6 188808.6 2.58
MIN Cent 166985.7 41568.3 1821.2 168407.6 40146.4 6.04
 27 293501.2 44052.7 -1878.7 293764.1 43789.9 1.86
531 19479.2 -9321.5 -794.0 21921.6 -11628.7 15.70
541 37774.4 41541.4 7540.3 59875.2 19977.7 47.22
 35 315174.3 88893.4 6506.5 316767.6 87284.5 4.78

```

NODE Vxx Vyy

```

-----
MAX Cent 500704.1 -4743.0
 27 504715.1 -4946.3
531 504715.1 -4539.7
541 496693.0 -4539.7
 35 496693.0 -4946.3
MIN Cent 299100.3 -13293.9
 27 285143.7 -12384.2
531 285143.7 -14203.6
541 313056.9 -14203.6
 35 313056.9 -12384.2

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
1755 3 3 env SL~1 MAX Cent 4340416.6 5300183.2 272256.2 5371579.5 4269555.0 75.27
 531 4422059.1 5368178.4 272256.2 5440422.1 4350306.1 75.10
 532 4422059.1 5232216.6 272256.2 5314651.6 4340182.7 73.12
 542 4258774.2 5232216.6 272256.2 5302756.7 4188783.5 75.44
 541 4258774.2 5368178.4 272256.2 5431001.7 4196447.4 77.01
MIN Cent -1554535.1 -1255850.2 -119194.2 -1214713.7 -1595054.5 -70.95
 531 -1558884.0 -1268787.0 -119194.2 -1226708.0 -1600336.0 -70.54
 532 -1558884.0 -1242913.4 -119194.2 -1203555.1 -1597635.1 -71.72
 542 -1550186.2 -1242913.4 -119194.2 -1202682.5 -1589809.8 -71.34
 541 -1550186.2 -1268787.0 -119194.2 -1225722.7 -1592623.5 -70.12

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 552436.0 121563.7 30737.7 554023.4 119976.3 3.47
 531 659476.9 133545.7 27011.4 660504.6 132518.0 2.53
 532 462242.8 97450.1 26284.4 463541.5 96151.4 3.41
 542 437317.2 107746.2 34589.1 439840.7 105222.7 4.98
 541 650707.2 147512.7 35316.1 652538.9 145681.0 3.45
MIN Cent -100700.2 -6117.2 3925.5 -3979.3 -102838.1 81.54
 531 15905.8 -10036.8 435.3 18462.8 -12469.2 16.76
 532 -229793.8 -55368.9 1005.9 -54957.8 -230205.0 87.22
 542 -220548.0 -1395.4 8850.8 630.9 -222530.7 84.45
 541 30065.4 40040.4 8331.1 56713.0 13882.5 51.18

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

NODE      Vxx      Vyy
-----
MAX Cent 433608.5 -4476.2
531 433599.0 -4539.7
532 433599.0 -4412.7
542 433618.0 -4412.7
541 433618.0 -4539.7
MIN Cent 266237.4 -14657.7
531 253342.3 -14203.6
532 253342.3 -15733.2
542 279132.5 -15733.2
541 279132.5 -14203.6

```

```

ELEM MAT SEC  LC  NODE      Fxx      Fyy      Fxy      Fmax      Fmin  ANGLE
-----
1756  3   3  env SL~1 MAX Cent 4446917.6 5192028.8 206553.4 5245030.9 4394216.9 75.58
532 4561950.4 5253346.8 206553.4 5309869.3 4505710.5 74.66
533 4561950.4 5130741.5 206553.4 5197202.1 4495730.1 72.12
543 4331884.9 5130741.5 206553.4 5180582.5 4282327.4 76.40
542 4331884.9 5253346.8 206553.4 5297211.8 4288318.3 77.98
MIN Cent -1543434.2 -1228347.4 -97147.7 -1201159.0 -1570242.2 -74.37
532 -1554521.0 -1240480.7 -97147.7 -1213202.8 -1581404.2 -74.32
533 -1554521.0 -1216214.1 -97147.7 -1190632.3 -1579736.7 -75.25
543 -1532347.4 -1216214.1 -97147.7 -1189114.8 -1559080.6 -74.41
542 -1532347.4 -1240480.7 -97147.7 -1211488.6 -1560944.8 -73.38

```

```

NODE      Mxx      Myy      Mxy      Mmax      Mmin  ANGLE
-----
MAX Cent 347815.3 83730.5 27646.8 349602.1 81943.7 4.69
532 460335.0 97068.6 24926.5 461393.0 96010.6 3.08
533 269376.9 61950.7 22702.0 270746.6 60581.0 4.63
543 228769.0 69063.7 30432.6 232260.5 65572.3 8.32
542 432780.4 106838.8 32657.1 434935.7 104683.5 4.63
MIN Cent -333530.2 -47384.5 4682.2 -46710.3 -334204.4 87.22
532 -233375.2 -56085.2 1756.7 -55669.2 -233791.2 87.23
533 -435758.3 -92667.5 1702.9 -92484.1 -435941.6 88.68
543 -436971.5 -38103.9 8536.6 -37139.1 -437936.3 87.19
542 -228015.9 -2860.9 8630.2 -1009.8 -229830.9 84.76

```

```

NODE      Vxx      Vyy
-----
MAX Cent 366013.9 -4406.0
532 364100.2 -4412.7
533 364100.2 -4399.3
543 367927.7 -4399.3
542 367927.7 -4412.7
MIN Cent 231359.7 -16573.2

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

532 220251.9 -15733.2
533 220251.9 -17413.2
543 242467.5 -17413.2
542 242467.5 -15733.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1757	3	3	env SL~1	MAX Cent 4543891.2	5099723.2	129197.0	5127838.0	4515827.8	77.65	
				533 4687206.6	5150111.4	129197.0	5183175.0	4654164.5	75.56	
				534 4687206.6	5049335.0	129197.0	5089993.7	4646524.6	72.43	
				544 4400575.9	5049335.0	129197.0	5073742.9	4376232.8	79.23	
				543 4400575.9	5150111.4	129197.0	5171432.9	4379317.8	80.57	
				MIN Cent -1529989.6	-1203150.1	-73286.5	-1187734.5	-1545273.6	-78.07	
				533 -1547182.6	-1213313.2	-73286.5	-1198170.9	-1562170.8	-78.29	
				534 -1547182.6	-1192987.0	-73286.5	-1178682.5	-1561378.1	-78.90	
				544 -1512796.5	-1192987.0	-73286.5	-1177286.6	-1528387.9	-77.83	
				543 -1512796.5	-1213313.2	-73286.5	-1196614.7	-1529341.0	-77.12	

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 152701.2	47593.2	21770.7	154835.0	45459.4	8.03
533 267453.5	61566.0	20261.0	268386.7	60632.8	3.84
534 85717.7	27743.4	16799.3	87449.4	26011.7	9.67
544 33006.9	32828.1	23340.5	49293.0	16542.0	44.84
543 224626.7	68235.2	26802.3	227168.6	65693.3	7.21
MIN Cent -522341.8	-80393.7	3992.0	-80075.8	-522659.7	88.46
533 -438974.5	-93310.7	2001.9	-93138.3	-439146.9	88.72
534 -597714.3	-121528.3	1265.1	-121445.2	-597797.3	89.24
544 -609179.8	-67326.3	6612.8	-66838.2	-609667.9	88.28
543 -443498.5	-39409.3	7397.3	-38635.3	-444272.4	87.50

NODE Vxx Vyy

MAX Cent 298014.2	-4455.9
533 295490.7	-4399.3
534 295490.7	-4512.5
544 300537.8	-4512.5
543 300537.8	-4399.3
MIN Cent 194669.5	-17968.9
533 185799.4	-17413.2
534 185799.4	-18524.5
544 203539.6	-18524.5
543 203539.6	-17413.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1758 3 3 env SL~1 MAX Cent 4628175.1 5029138.0 40309.5 5032905.6 4624361.3 84.50

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

534 4790626.4 5066270.5 40309.5 5071690.8 4785134.4 82.11
28 4790626.4 4992005.6 40309.5 4999294.4 4783228.0 79.45
36 4465723.9 4992005.6 40309.5 4994888.7 4462806.9 85.79
544 4465723.9 5066270.5 40309.5 5068801.2 4463164.7 86.30
MIN Cent -1513420.3 -1182045.7 -57096.2 -1175502.0 -1519964.0 -82.08
534 -1535167.2 -1189564.2 -57096.2 -1183280.2 -1541451.2 -82.39
28 -1535167.2 -1174527.3 -57096.2 -1168496.7 -1541197.8 -82.69
36 -1491673.4 -1174527.3 -57096.2 -1167701.9 -1498498.8 -81.74
544 -1491673.4 -1189564.2 -57096.2 -1182414.1 -1498823.5 -81.35

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -29825.6 13555.2 13685.3 14570.1 -30840.6 81.40
534 83972.1 27394.3 13468.3 84703.1 26663.3 6.44
28 -85769.9 -4714.8 9061.6 -4665.4 -85819.3 88.59
36 -146980.4 -580.8 13975.2 -241.7 -147319.4 87.25
544 29475.6 32121.9 18381.9 42398.0 19199.6 48.27
MIN Cent -666608.9 -105390.4 1907.2 -105267.9 -666731.4 89.15
534 -600297.3 -122044.9 959.4 -121978.7 -600363.5 89.33
28 -715346.1 -142190.6 -355.5 -142169.5 -715367.2 89.65
36 -736355.0 -88948.1 3263.4 -88758.1 -736545.0 89.02
544 -614437.1 -68377.8 4578.3 -68056.8 -614758.1 88.61

```

```

NODE Vxx Vyy
-----
MAX Cent 263439.6 -4620.7
534 258225.6 -4512.5
28 258225.6 -4728.9
36 268653.6 -4728.9
544 268653.6 -4512.5
MIN Cent 156224.3 -18860.4
534 149862.5 -18524.5
28 149862.5 -19196.3
36 162586.2 -19196.3
544 162586.2 -18524.5

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1759 3 3 env SL~1 MAX Cent 4697252.7 4984061.9 -19137.8 4995455.1 4685863.4 -78.95
28 4868323.9 5006007.3 -19137.8 5027363.0 4846947.7 -69.90
535 4868323.9 4962116.6 -19137.8 4990007.2 4840364.1 -64.45
545 4526181.6 4962116.6 -19137.8 4969776.6 4518528.4 -82.52
36 4526181.6 5006007.3 -19137.8 5012988.6 4519209.1 -83.18
MIN Cent -1493217.9 -1166100.3 -59379.3 -1164817.3 -1494500.8 -86.42
28 -1517555.6 -1170486.8 -59379.3 -1169277.1 -1518765.4 -86.63
535 -1517555.6 -1161713.7 -59379.3 -1160533.7 -1518735.7 -86.71
545 -1468880.2 -1161713.7 -59379.3 -1160348.2 -1470245.7 -86.19
36 -1468880.2 -1170486.8 -59379.3 -1169081.5 -1470285.5 -86.08

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-196898.9	-17960.9	4007.0	-17913.1	-196946.8	-89.06
28	-87218.4	-5004.5	5091.3	-4947.3	-87275.7	-88.49
535	-242277.4	-34938.1	50.4	-34693.5	-242522.0	-88.03
545	-308369.6	-30770.4	4648.3	-30725.9	-308414.0	-89.28
36	-149730.3	-1130.8	8055.4	-1116.8	-149744.3	89.44
MIN Cent	-765755.2	-122498.0	-2926.4	-122480.5	-765772.6	89.70
28	-717126.1	-142546.6	-2170.6	-142537.1	-717135.7	89.77
535	-788146.1	-154722.3	-7125.2	-154722.0	-788146.4	-89.96
545	-817652.9	-103026.7	-3513.2	-103000.2	-817679.3	89.65
36	-740095.5	-89696.2	680.8	-89617.8	-740173.9	89.37

NODE	Vxx	Vyy

MAX Cent	238575.2	-4874.7
28	235698.3	-4728.9
535	235698.3	-5020.6
545	241452.0	-5020.6
36	241452.0	-4728.9
MIN Cent	110021.1	-19356.5
28	105150.4	-19196.3
535	105150.4	-19516.8
545	114891.8	-19516.8
36	114891.8	-19196.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1760	3	3	env SL~1	MAX Cent	4750361.6	4966902.9	7510.8	5052382.1	4664882.4	-61.99
				535	4919468.8	4972866.5	7510.8	5109045.8	4783289.4	-49.72
				536	4919468.8	4960939.2	7510.8	5102211.5	4778196.5	-48.68
				546	4581254.4	4960939.2	7510.8	5019806.7	4522386.9	-69.88
				545	4581254.4	4972866.5	7510.8	5030351.8	4523769.1	-70.31
				MIN Cent	-1469191.6	-1155849.1	-161148.8	-1155723.2	-1469317.4	88.85
				535	-1494024.3	-1156908.5	-161148.8	-1156791.5	-1494141.3	88.93
				536	-1494024.3	-1154789.6	-161148.8	-1154673.4	-1494140.5	88.94
				546	-1444359.0	-1154789.6	-161148.8	-1154653.5	-1444495.1	88.76
				545	-1444359.0	-1156908.5	-161148.8	-1156771.3	-1444496.1	88.75

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-345744.3	-46504.5	-2534.9	-45918.0	-346330.8	-87.47
535	-243366.2	-35155.8	-1843.7	-34516.3	-244005.8	-86.83
536	-381023.9	-62388.6	-3664.7	-61512.4	-381900.1	-87.00
546	-448393.9	-57338.3	-3383.9	-56782.5	-448949.7	-87.84
545	-310193.3	-31135.1	-32.9	-30806.8	-310521.6	-88.04
MIN Cent	-819010.4	-131739.3	-13260.6	-131728.1	-819021.6	-89.77
535	-789034.6	-154900.0	-11557.1	-154893.6	-789041.0	-89.82

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

536 -815304.9 -159042.6 -16732.3 -158999.0 -815348.5 -89.53
 546 -852056.1 -109589.5 -14752.3 -109570.9 -852074.8 -89.71
 545 -819646.0 -103425.3 -9577.2 -103425.1 -819646.2 -89.97

NODE Vxx Vyy

 MAX Cent 209631.1 -5184.9

535 209039.1 -5020.6
 536 209039.1 -5349.3
 546 210223.2 -5349.3
 545 210223.2 -5020.6

MIN Cent 44760.3 -19521.0

535 40226.1 -19516.8
 536 40226.1 -19525.3
 546 49294.5 -19525.3
 545 49294.5 -19516.8

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

 1761 3 3 env SL~1 MAX Cent 4787764.4 4978217.7 33601.0 5163309.9 4602672.2 -54.93

536 4944169.7 4968419.8 33601.0 5220221.9 4692367.5 -46.32
 29 4944169.7 4988015.5 33601.0 5230651.1 4701534.2 -47.38
 37 4631359.1 4988015.5 33601.0 5127982.0 4491392.6 -62.04
 546 4631359.1 4968419.8 33601.0 5112800.0 4486978.9 -61.29

MIN Cent -1441418.5 -1151429.7 -263949.1 -1147843.0 -1445005.2 83.69

536 -1464692.7 -1149235.0 -263949.1 -1145931.7 -1467996.0 84.19
 29 -1464692.7 -1153624.4 -263949.1 -1150275.5 -1468041.6 84.11
 37 -1418144.4 -1153624.4 -263949.1 -1149702.0 -1422066.9 83.11
 546 -1418144.4 -1149235.0 -263949.1 -1145374.7 -1422004.6 83.22

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent -473572.6 -71585.5 -6436.4 -70186.7 -474971.5 -86.63

536 -381731.8 -62530.2 -4388.4 -61129.2 -383132.9 -86.22
 29 -474974.6 -86456.4 -6033.4 -84783.7 -475936.2 -86.36
 37 -539646.1 -64374.1 -8645.1 -63451.2 -540568.9 -87.48
 546 -449161.3 -57491.7 -6940.2 -56373.0 -450280.1 -86.95

MIN Cent -825312.3 -133044.7 -23754.8 -132905.0 -825452.1 -89.19

536 -815284.5 -159038.5 -21194.0 -158958.4 -815364.6 -89.37
 29 -795627.7 -154899.6 -26326.2 -154710.8 -795816.6 -89.02
 37 -838297.3 -108654.6 -26095.1 -108428.8 -838523.1 -88.99
 546 -852039.9 -109586.2 -20962.9 -109475.0 -852151.1 -89.30

NODE Vxx Vyy

 MAX Cent 176486.2 -5507.2

536 178060.0 -5349.3
 29 178060.0 -5665.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

37 174912.3 -5665.1
 546 174912.3 -5349.3
 MIN Cent -25602.3 -19369.6
 536 -29770.7 -19525.3
 29 -29770.7 -19214.0
 37 -21433.9 -19214.0
 546 -21433.9 -19525.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1762 3 3 env SL~1 MAX Cent 4809641.5 5016741.3 58368.0 5291093.0 4535289.8 -52.95
 29 4943891.4 4992391.0 58368.0 5332387.1 4603895.3 -46.91
 537 4943891.4 5041091.6 58368.0 5359164.4 4625818.6 -48.81
 547 4675391.6 5041091.6 58368.0 5265084.5 4451398.7 -58.35
 37 4675391.6 4992391.0 58368.0 5230387.4 4437395.1 -56.78
 MIN Cent -1410234.1 -1152482.0 -363735.3 -1140394.9 -1422321.3 78.05
 29 -1430092.5 -1147387.6 -363735.3 -1136286.4 -1441193.6 79.00
 537 -1430092.5 -1157576.4 -363735.3 -1146092.0 -1441576.9 78.63
 547 -1390375.8 -1157576.4 -363735.3 -1144320.9 -1403631.3 76.93
 37 -1390375.8 -1147387.6 -363735.3 -1134634.1 -1403129.2 77.41

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -500501.9 -75007.1 -9658.6 -73168.2 -502340.9 -86.25
 29 -474405.9 -86451.9 -6678.8 -84269.4 -475823.6 -85.79
 537 -465607.3 -86365.4 -8211.7 -84238.0 -467734.7 -85.73
 547 -524001.8 -63167.9 -13016.0 -60875.2 -526294.5 -85.98
 37 -537992.8 -64043.4 -11412.6 -62441.9 -539594.4 -86.68
 MIN Cent -783260.6 -126245.9 -33878.3 -125776.8 -783729.7 -88.47
 29 -794754.5 -154725.0 -30596.0 -154454.9 -795024.6 -88.82
 537 -727484.2 -141837.7 -35429.1 -141333.5 -727988.5 -88.32
 547 -774854.5 -100236.0 -36974.4 -99472.4 -775618.0 -88.07
 37 -835949.2 -108185.0 -32141.3 -107706.4 -836427.8 -88.53

NODE Vxx Vyy

MAX Cent 138911.3 -5785.1
 29 142426.6 -5665.1
 537 142426.6 -5905.1
 547 135396.0 -5905.1
 37 135396.0 -5665.1
 MIN Cent -98184.6 -18871.4
 29 -102285.9 -19214.0
 537 -102285.9 -18528.8
 547 -94083.4 -18528.8
 37 -94083.4 -19214.0

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1763	3	3	env SL~1	MAX Cent	4817669.8	5079370.6	80973.5	5424107.1	4472933.2	-52.99
				537	4922273.4	5042697.2	80973.5	5443664.9	4521305.7	-48.75
				538	4922273.4	5116043.9	80973.5	5486542.7	4551774.5	-50.98
				548	4713066.3	5116043.9	80973.5	5414213.8	4414896.3	-56.89
				547	4713066.3	5042697.2	80973.5	5363911.9	4391851.6	-54.91
				MIN Cent	-1376243.3	-1158225.7	-457649.5	-1132254.3	-1402214.7	71.93
				537	-1391224.3	-1150778.2	-457649.5	-1126812.8	-1415189.8	73.25
				538	-1391224.3	-1165673.2	-457649.5	-1140408.6	-1416488.9	72.39
				548	-1361262.2	-1165673.2	-457649.5	-1137370.5	-1389564.9	70.43
				547	-1361262.2	-1150778.2	-457649.5	-1124063.3	-1387977.1	71.45

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-470599.8	-71362.6	-12422.7	-67876.6	-474085.8	-84.68
537	-464703.8	-86184.7	-8792.4	-83477.8	-467410.7	-85.18
538	-424504.2	-80405.1	-10108.7	-76587.8	-428321.5	-84.02
548	-472724.6	-56400.0	-16778.4	-52005.2	-477119.4	-84.16
547	-520466.5	-62460.8	-15462.1	-59217.2	-523710.1	-85.21
MIN Cent	-691128.6	-111051.3	-43123.3	-109917.9	-692262.0	-87.47
537	-725903.1	-141521.5	-39318.5	-140869.0	-726555.5	-88.09
538	-660852.3	-122393.2	-43616.7	-122154.0	-664356.5	-88.67
548	-712021.4	-110931.9	-46829.0	-107305.5	-715647.8	-85.57
547	-769786.1	-99222.3	-42530.8	-97990.6	-771017.8	-87.55

NODE	Vxx	Vyy
MAX Cent	96602.8	-5949.5
537	101675.0	-5905.1
538	101675.0	-5993.8
548	91530.5	-5993.8
547	91530.5	-5905.1
MIN Cent	-173452.5	-17950.2
537	-178096.1	-18528.8
538	-178096.1	-17371.6
548	-168808.9	-17371.6
547	-168808.9	-18528.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1764	3	3	env SL~1	MAX Cent	4814443.1	5161850.9	101165.2	5559286.6	4417007.3	-53.85
				538	4885372.9	5115398.5	101165.2	5556493.1	4444278.4	-50.97
				539	4885372.9	5208303.3	101165.2	5614375.3	4479300.9	-53.26
				549	4743513.2	5208303.3	101165.2	5567545.7	4384270.8	-56.56
				548	4743513.2	5115398.5	101165.2	5504436.0	4354475.7	-54.43
				MIN Cent	-1340302.7	-1167423.3	-544714.3	-1121937.9	-1385788.1	65.47
				538	-1349651.9	-1158485.0	-544714.3	-1115979.4	-1392157.5	66.90

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

539 -1349651.9 -1176361.6 -544714.3 -1130946.9 -1395066.5 65.50
 549 -1330953.6 -1176361.6 -544714.3 -1127534.3 -1379780.8 63.90
 548 -1330953.6 -1158485.0 -544714.3 -1112928.7 -1376509.9 65.43

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-406021.0	-61790.6	-14605.6	-55957.8	-411853.8	-82.64
538	-423454.1	-80195.0	-10622.6	-75734.2	-427915.0	-83.54
539	-349311.7	-67831.2	-11679.2	-61483.1	-355659.8	-81.55
549	-384218.7	-41862.0	-19709.2	-36255.0	-391824.7	-81.59
548	-467099.5	-55275.0	-18652.6	-49735.2	-472639.3	-83.43
MIN Cent	-701264.7	-120153.7	-51039.9	-115704.8	-705713.6	-85.02
538	-660590.5	-122197.5	-47007.6	-121933.3	-664658.0	-88.60
539	-697336.7	-130495.0	-50578.1	-126017.4	-701814.3	-84.94
549	-738033.1	-118370.1	-55117.6	-113505.7	-742897.5	-84.96
548	-709098.6	-110347.4	-51547.0	-105942.0	-713503.9	-85.12

NODE	Vxx	Vyy

MAX Cent	49217.8	-5922.7
538	55224.1	-5993.8
539	55224.1	-5851.7
549	43211.5	-5851.7
548	43211.5	-5993.8
MIN Cent	-251730.5	-16484.4
538	-258003.9	-17371.6
539	-258003.9	-15597.2
549	-245457.0	-15597.2
548	-245457.0	-17371.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1765	3	3	env SL~1	MAX Cent	4803250.5	5259218.4	119485.8	5698187.7	4364281.1	-54.99
				539	4842741.8	5206064.8	119485.8	5676975.8	4371830.8	-53.08
				540	4842741.8	5312372.1	119485.8	5746876.1	4408237.7	-55.27
				550	4763759.2	5312372.1	119485.8	5722239.6	4353891.6	-56.82
				549	4763759.2	5206064.8	119485.8	5649561.2	4320262.8	-54.72
				MIN Cent	-1303656.8	-1179463.7	-627669.8	-1108385.2	-1374735.3	58.90
				539	-1307896.9	-1169032.4	-627669.8	-1101715.1	-1375214.2	60.26
				540	-1307896.9	-1189895.1	-627669.8	-1117135.9	-1380656.1	58.30
				550	-1299416.7	-1189895.1	-627669.8	-1114739.2	-1374572.6	57.46
				549	-1299416.7	-1169032.4	-627669.8	-1099578.2	-1368870.8	59.48

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-304844.8	-45654.9	-16176.3	-36113.3	-314386.4	-79.33
539	-348396.8	-67648.2	-12175.7	-60627.7	-355417.4	-81.12
540	-209087.2	-40353.9	-13044.4	-32038.0	-217332.7	-77.80

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

550 -237330.9 -12111.3 -21827.4 -9878.4 -239563.8 -84.34
 549 -376390.2 -40454.1 -20958.7 -33488.5 -385197.1 -80.90
 MIN Cent -714488.0 -124920.1 -57297.1 -119403.3 -720004.8 -84.50
 539 -696892.0 -130406.1 -53475.4 -125402.3 -701895.8 -84.65
 540 -698774.6 -132307.9 -56206.2 -126784.8 -704297.7 -84.39
 550 -728305.8 -119406.9 -61347.9 -113287.5 -734425.3 -84.30
 549 -733979.8 -117559.5 -58617.1 -112034.9 -739504.3 -84.62

NODE Vxx Vyy

MAX Cent -3590.0 -5641.3
 539 2375.3 -5851.7
 540 2375.3 -5430.9
 550 -9555.3 -5430.9
 549 -9555.3 -5851.7
 MIN Cent -333099.7 -14304.3
 539 -342839.3 -15597.2
 540 -342839.3 -13011.5
 550 -323360.1 -13011.5
 549 -323360.1 -15597.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1766 3 3 env SL~1 MAX Cent 4787926.4 5370071.6 136812.0 5845916.6 4312081.4 -56.15
 540 4806314.6 5309307.2 136812.0 5810599.0 4305022.9 -54.76
 30 4806314.6 5430835.9 136812.0 5893782.4 4343368.1 -56.88
 38 4769538.2 5430835.9 136812.0 5882982.1 4317392.1 -57.49
 550 4769538.2 5309307.2 136812.0 5798551.9 4280293.6 -55.41
 MIN Cent -1267301.9 -1192622.7 -710734.1 -1089965.3 -1369959.3 52.73
 540 -1268605.2 -1182624.1 -710734.1 -1084005.7 -1367223.6 53.84
 30 -1268605.2 -1202621.3 -710734.1 -1096712.6 -1374513.9 51.87
 38 -1265998.6 -1202621.3 -710734.1 -1095713.1 -1372906.8 51.61
 550 -1265998.6 -1182624.1 -710734.1 -1083092.6 -1365530.1 53.58

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -94357.1 -8595.8 -17335.6 14709.7 -111239.6 -65.19
 540 -207551.4 -40045.8 -13628.7 -29778.1 -217749.8 -76.52
 30 78156.8 17619.7 -14596.9 103925.9 -8149.5 -28.65
 38 6894.4 25468.4 -23690.5 71362.9 -10042.7 -46.67
 550 -229326.0 -10510.4 -22722.3 -8017.9 -231818.4 -83.94
 MIN Cent -690617.5 -122312.5 -61773.9 -115675.3 -697254.7 -83.87
 540 -698239.0 -132200.7 -58652.0 -126187.2 -704252.5 -84.15
 30 -660372.0 -125507.0 -60572.8 -118733.0 -667146.0 -83.62
 38 -680337.8 -113092.2 -65316.4 -105668.4 -687761.6 -83.52
 550 -723521.2 -118450.0 -63395.6 -111879.1 -730092.0 -84.08

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

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MAX Cent -62168.9 -4372.3
  540 -57754.8 -5430.9
  30 -57754.8 -2617.2
  38 -66583.0 -2617.2
  550 -66583.0 -5430.9
MIN Cent -417308.5 -10964.7
  540 -433482.9 -13011.5
  30 -433482.9 -8918.0
  38 -401134.2 -8918.0
  550 -401134.2 -13011.5

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

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-----
1767 3 3 env SL~1 MAX Cent 4775394.1 5538289.0 157927.4 6053314.0 4260369.2 -57.59
  30 4797894.4 5428329.5 157927.4 5983469.7 4242754.2 -55.62
  31 4797894.4 5648248.6 157927.4 6139006.1 4307136.9 -58.83
  39 4752893.8 5648248.6 157927.4 6127164.8 4273977.7 -59.45
  38 4752893.8 5428329.5 157927.4 5969368.7 4211854.7 -56.30
MIN Cent -1234694.5 -1225401.7 -812842.6 -1074195.4 -1385900.8 45.85
  30 -1238680.3 -1196099.8 -812842.6 -1060158.5 -1374621.5 48.89
  31 -1238680.3 -1254703.6 -812842.6 -1090702.7 -1402681.2 43.53
  39 -1230708.7 -1254703.6 -812842.6 -1086461.5 -1398950.9 42.80
  38 -1230708.7 -1196099.8 -812842.6 -1056662.7 -1370145.8 48.17

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 217237.5 49814.4 -19103.6 236573.9 37424.6 -17.84
  30 78229.4 17634.2 -15999.0 110946.9 -11441.7 -30.63
  31 426860.5 84333.3 -17750.2 437263.1 73930.8 -9.74
  39 338934.7 79768.6 -25494.8 354179.1 68889.1 -13.26
  38 24925.3 26931.6 -23743.6 80678.7 -4835.0 -43.22
MIN Cent -625994.6 -110227.4 -65412.9 -102060.6 -634161.3 -82.88
  30 -659999.6 -125432.5 -63896.8 -117901.0 -667531.0 -83.28
  31 -578525.8 -115574.6 -65234.2 -106558.0 -587542.3 -82.13
  39 -589884.1 -87764.1 -65998.1 -79655.6 -597992.6 -82.82
  38 -675568.8 -112138.4 -62983.6 -105183.6 -682523.6 -83.70

```

NODE Vxx Vyy

```

-----
MAX Cent -126734.8 -3283.0
  30 -125701.0 -2617.2
  31 -125701.0 -3759.9
  39 -127768.5 -3759.9
  38 -127768.5 -2617.2
MIN Cent -503463.2 -6712.4
  30 -530129.6 -8918.0
  31 -530129.6 -8686.8
  39 -476796.9 -8686.8

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

38 -476796.9 -8918.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1768	3	3	env SL~1	MAX Cent	4739914.8	5794479.8	117548.4	6063000.2	4471394.3	-65.75
				31	4584644.1	5641152.7	117548.4	5909345.6	4316451.2	-65.77
				5032	4584644.1	5947806.8	117548.4	6171669.3	4360781.6	-69.41
				5040	4895185.4	5947806.8	117548.4	6216655.5	4626336.8	-65.72
				39	4895185.4	5641152.7	117548.4	5971299.4	4565038.7	-61.02
				MIN Cent	-1195443.3	-1261972.8	-598071.1	-1108779.4	-1348636.7	36.95
				31	-1167899.0	-1246853.4	-598071.1	-1085578.1	-1329174.3	35.54
				5032	-1167899.0	-1277092.3	-598071.1	-1094992.2	-1349999.1	32.32
				5040	-1222987.5	-1277092.3	-598071.1	-1131683.8	-1368396.0	38.39
				39	-1222987.5	-1246853.4	-598071.1	-1119081.2	-1350759.7	42.04

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	585779.0	124079.3	-13468.3	594274.8	115583.5	-7.66
31	424820.5	83925.3	-39036.5	443004.6	65741.2	-12.68
5032	863474.9	281586.9	-43240.7	876238.3	277269.9	-8.24
5040	697781.3	61015.0	-36211.3	708043.1	50753.2	-7.18
39	357039.3	83389.5	-32007.1	375854.0	67773.9	-14.23
MIN Cent	-517654.3	-87855.2	-64790.2	-80874.5	-524635.0	-82.79
31	-577757.8	-115421.0	-82672.7	-101276.5	-591902.3	-80.22
5032	-412514.7	58047.3	-89644.7	72498.9	-426966.3	-80.21
5040	-492467.3	-206684.6	-83170.2	-185115.0	-514037.0	-75.16
39	-587877.3	-87362.7	-79795.5	-74949.0	-600291.0	-81.16

NODE Vxx Vyy

MAX Cent	-197498.4	34253.9
31	-206411.8	-3759.9
5032	-206411.8	72505.3
5040	-188584.9	72505.3
39	-188584.9	-3759.9
MIN Cent	-590587.8	17671.7
31	-635352.7	-8686.8
5032	-635352.7	42067.1
5040	-545822.8	42067.1
39	-545822.8	-8686.8

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1769	3	3	env SL~1	MAX Cent	3840914.1	5859197.0	-77270.1	5862146.9	3837907.8	-87.82
				5033	3987235.4	5874317.4	-77270.1	5877471.7	3984019.7	-87.66
				34	3987235.4	5844076.7	-77270.1	5847282.0	3983969.1	-87.63
				42	3694592.7	5844076.7	-77270.1	5846847.0	3691770.3	-87.95

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5041 3694592.7 5874317.4 -77270.1 5877049.5 3691808.2 -87.98
 MIN Cent -1638243.9 -1403924.6 -290343.9 -1375866.2 -1666302.3 -71.89
 5033 -1595970.1 -1399022.8 -290343.9 -1366886.5 -1628106.4 -69.47
 34 -1595970.1 -1408826.5 -290343.9 -1375443.2 -1629353.4 -68.74
 42 -1680517.7 -1408826.5 -290343.9 -1383998.7 -1705345.5 -73.86
 5041 -1680517.7 -1399022.8 -290343.9 -1374931.7 -1704608.8 -74.32

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	1342591.5	278002.4	41426.6	1343307.8	277286.1	1.49
5033	1486664.6	286596.3	26215.1	1486934.8	286326.2	0.86
34	1102491.1	232668.7	35480.8	1103444.3	232001.4	1.89
42	1193925.8	239743.1	37296.3	1194901.8	238767.1	1.83
5041	1637675.3	356941.0	28030.7	1637953.5	356662.8	0.84
MIN Cent	856569.3	177234.4	26167.9	859086.2	174717.5	3.48
5033	889805.3	147957.5	16699.2	890730.5	147032.2	2.02
34	637306.9	137612.3	22773.6	638571.2	136348.0	2.88
42	743779.1	151494.3	23610.3	745046.3	150227.2	2.65
5041	1112959.2	259395.7	17828.6	1113883.5	259001.9	1.89

NODE	Vxx	Vyy
MAX Cent	666671.9	-3207.5
5033	607817.8	-8500.7
34	607817.8	2202.8
42	725526.1	2202.8
5041	725526.1	-8500.7
MIN Cent	388626.5	-7304.3
5033	333217.1	-16103.4
34	333217.1	1066.9
42	444035.9	1066.9
5041	444035.9	-16103.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1770	3	3	env SL~1	MAX Cent	3945895.7	5787027.7	-66246.1	5789401.1	3943483.7	-87.95
				34	4125045.5	5865115.4	-66246.1	5867625.8	4122299.4	-87.83
				35	4125045.5	5708940.0	-66246.1	5711696.2	4122030.9	-87.62
				43	3767001.9	5708940.0	-66246.1	5711190.7	3764715.3	-88.05
				42	3767001.9	5865115.4	-66246.1	5867199.3	3764884.7	-88.20
				MIN Cent	-1622801.8	-1390528.0	-254117.7	-1367684.9	-1645644.9	-73.34
				34	-1591393.8	-1405738.1	-254117.7	-1378343.5	-1618468.3	-70.26
				35	-1591393.8	-1375317.9	-254117.7	-1351039.5	-1615352.2	-72.36
				43	-1654530.0	-1375317.9	-254117.7	-1355809.2	-1674038.7	-75.66
				42	-1654530.0	-1405738.1	-254117.7	-1384181.9	-1676086.1	-74.23

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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MAX Cent 1021074.2 207894.3 49541.2 1023070.3 205898.2 2.83
 34 1098888.6 230850.9 42894.8 1100381.5 230129.8 2.37
 35 878178.6 186464.9 47773.3 880481.0 184162.6 3.30
 43 910811.9 179416.2 52824.9 913225.4 177002.8 3.28
 42 1196417.6 240241.5 47946.3 1197945.4 238713.7 2.29
MIN Cent 517353.4 110923.3 31287.8 520903.5 107413.1 5.32
 34 632040.8 136559.1 23716.1 633924.8 134675.1 3.52
 35 321242.5 85166.1 26358.5 326452.1 80041.8 8.37
 43 364817.2 70042.5 34641.5 370427.6 64538.4 7.78
 42 745936.1 151925.7 31999.0 748132.3 149729.5 3.47

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NODE Vxx Vyy

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-----
MAX Cent 600986.4 4124.7
 34 555517.4 2202.8
 35 555517.4 6053.2
 43 646455.5 6053.2
 42 646455.5 2202.8
MIN Cent 384486.4 2068.1
 34 336635.5 1066.9
 35 336635.5 3069.3
 43 432337.3 3069.3
 42 432337.3 1066.9

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

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-----
1771 3 3 env SL~1 MAX Cent 4031470.7 5672062.0 -62203.1 5675404.4 4027894.9 -87.42
 35 4227572.8 5725954.2 -62203.1 5729610.5 4223657.2 -87.18
 541 4227572.8 5618169.7 -62203.1 5622106.5 4223357.4 -86.97
 551 3835368.5 5618169.7 -62203.1 5621247.9 3832078.5 -87.63
 43 3835368.5 5725954.2 -62203.1 5728858.0 3832264.2 -87.76
MIN Cent -1603258.9 -1360480.8 -226028.1 -1343355.5 -1619552.6 -75.58
 35 -1580306.5 -1371243.0 -226028.1 -1351720.6 -1598503.2 -73.66
 541 -1580306.5 -1349718.5 -226028.1 -1331771.5 -1596927.8 -74.92
 551 -1626211.3 -1349718.5 -226028.1 -1334492.2 -1641100.2 -77.12
 43 -1626211.3 -1371243.0 -226028.1 -1354871.7 -1642245.3 -76.19

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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-----
MAX Cent 770498.3 158675.0 55440.8 773787.0 155386.3 4.18
 35 873905.0 185610.2 49265.1 876350.4 183164.8 3.41
 541 655706.4 150235.2 50631.9 659172.0 146769.6 4.72
 551 639219.5 118968.5 57077.7 643101.7 115086.3 4.92
 43 913162.2 179886.3 55710.9 915818.1 177230.4 3.44
MIN Cent 188464.7 48280.0 33643.6 201092.8 35651.9 16.04
 35 314172.7 83773.5 26716.7 320032.2 77991.3 8.96
 541 37453.5 39975.4 27042.4 78041.6 -555.3 45.67
 551 33049.3 -2481.0 36318.0 65672.8 -35184.6 34.68
 43 367358.2 70536.0 35968.6 373902.3 64085.1 8.36

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	531320.7	8023.7
35	496693.0	6053.2
541	496693.0	9994.1
551	565948.5	9994.1
43	565948.5	6053.2
MIN Cent	360616.8	4696.5
35	313056.9	3069.3
541	313056.9	6323.6
551	408176.7	6323.6
43	408176.7	3069.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1772	3	3	env SL~1	MAX Cent	4112319.1	5588745.5	-51301.0	5595260.3	4105502.8	-86.22
				541	4315963.4	5634197.9	-51301.0	5641480.5	4308334.0	-85.77
				542	4315963.4	5543293.1	-51301.0	5551105.5	4307779.4	-85.47
				552	3908674.7	5543293.1	-51301.0	5549186.0	3902515.5	-86.58
				551	3908674.7	5634197.9	-51301.0	5639783.5	3902835.8	-86.75
				MIN Cent	-1582592.5	-1335947.5	-203533.0	-1324081.4	-1593414.8	-77.86
				541	-1565797.0	-1345379.3	-203533.0	-1332208.4	-1577762.0	-76.58
				542	-1565797.0	-1326515.7	-203533.0	-1314291.9	-1576931.4	-77.51
				552	-1599388.0	-1326515.7	-203533.0	-1315727.8	-1609260.1	-78.94
				551	-1599388.0	-1345379.3	-203533.0	-1333851.4	-1609914.5	-78.20

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	528625.6	111404.9	54580.9	533179.7	106850.7	5.93
541	651066.0	149307.1	50132.6	654432.7	145940.5	4.67
542	438633.7	114328.3	48762.0	443444.5	109517.4	6.89
552	383016.2	62502.2	55225.9	388714.9	56803.5	7.53
551	641786.5	119481.9	56596.5	645561.3	115707.0	4.84
MIN Cent	-103944.1	-6819.2	31904.3	11523.9	-122202.8	68.00
541	29744.6	38474.4	26664.4	73734.4	-5426.4	47.87
542	-220052.5	1086.4	25371.6	7981.7	-226895.8	79.99
552	-262895.8	-66594.5	33609.0	-55597.1	-273893.2	77.03
551	35672.2	-1956.4	34901.9	68058.5	-34342.6	34.22

NODE	Vxx	Vyy

MAX Cent	459839.6	11635.2
541	433618.0	9994.1
542	433618.0	13410.7
552	486061.2	13410.7
551	486061.2	9994.1
MIN Cent	317410.8	7763.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

541 279132.5 6323.6
542 279132.5 9202.5
552 355689.1 9202.5
551 355689.1 6323.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1773	3	3	env SL~1	MAX Cent	4187611.9	5522617.0	-40031.5	5535082.0	4174744.0	-84.52
				542	4397601.7	5558196.4	-40031.5	5572476.2	4382837.7	-83.73
				543	4397601.7	5487037.5	-40031.5	5502219.0	4381905.4	-83.34
				553	3977622.2	5487037.5	-40031.5	5498094.1	3966221.9	-85.14
				552	3977622.2	5558196.4	-40031.5	5568764.2	3966724.8	-85.35
				MIN Cent	-1560363.2	-1314374.8	-183800.9	-1306820.1	-1567193.9	-80.15
				542	-1549225.4	-1321854.4	-183800.9	-1313697.5	-1556572.5	-79.38
				543	-1549225.4	-1306895.1	-183800.9	-1299217.2	-1556157.9	-79.99
				553	-1571501.0	-1306895.1	-183800.9	-1299862.0	-1577881.5	-80.82
				552	-1571501.0	-1321854.4	-183800.9	-1314419.1	-1578232.7	-80.30

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	298740.2	66537.3	48973.2	304969.7	60307.9	9.18
542	434096.9	113421.0	46148.3	438346.1	109171.7	6.52
543	230863.7	79536.8	42645.7	238090.7	72309.8	12.05
553	144457.6	10183.9	48617.1	153974.2	667.3	14.43
552	385542.7	63007.5	52119.7	390501.6	58048.7	7.02
MIN Cent	-357955.5	-54618.9	27530.2	-48738.5	-363835.9	82.15
542	-227520.4	-379.1	23999.8	5886.0	-233737.7	80.56
543	-435803.2	-32262.7	21560.7	-29096.2	-438969.7	84.96
553	-508069.6	-119907.9	28164.2	-115063.0	-512914.5	83.66
552	-260428.6	-66101.1	30623.9	-55824.6	-270705.1	77.37

NODE Vxx Vyy

MAX Cent	387484.1	14979.4
542	367927.7	13410.7
543	367927.7	16548.1
553	407040.5	16548.1
552	407040.5	13410.7
MIN Cent	272740.0	10487.8
542	242467.5	9202.5
543	242467.5	11773.0
553	303012.6	11773.0
552	303012.6	9202.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1774 3 3 env SL~1 MAX Cent 4258044.3 5473196.0 -28871.9 5495323.2 4235540.1 -82.40

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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543 4475026.0 5500919.1 -28871.9 5526810.4 4448548.0 -81.09
544 4475026.0 5445573.5 -28871.9 5472967.6 4447127.2 -80.63
554 4041062.7 5445573.5 -28871.9 5464825.2 4021509.2 -83.38
553 4041062.7 5500919.1 -28871.9 5519353.8 4022226.9 -83.62
MIN Cent -1536612.1 -1296071.2 -168560.1 -1291808.9 -1540404.5 -82.42
543 -1531114.0 -1301922.0 -168560.1 -1297444.3 -1535084.6 -82.04
544 -1531114.0 -1290220.4 -168560.1 -1285956.5 -1534903.3 -82.42
554 -1542110.2 -1290220.4 -168560.1 -1286154.1 -1545739.6 -82.77
553 -1542110.2 -1301922.0 -168560.1 -1297661.4 -1545905.8 -82.42

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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MAX Cent 83755.0 24545.1 39639.2 96268.4 12031.7 22.67
543 226721.3 78708.4 38325.4 232471.5 72958.2 10.94
544 35695.6 46271.6 33183.4 66521.7 15445.6 50.98
554 -74210.6 -37454.7 38456.3 -22590.9 -89074.3 61.78
553 146813.5 10655.1 43598.3 154151.7 3317.0 12.74
MIN Cent -564799.9 -93461.8 21140.9 -90691.8 -567570.0 85.63
543 -442330.2 -33568.1 19341.7 -30900.4 -444998.0 85.40
544 -607427.3 -58563.7 15981.0 -56982.5 -609008.5 86.93
554 -703322.2 -162197.6 20715.6 -159750.3 -705769.5 86.16
553 -506120.0 -119518.0 24109.6 -115402.3 -510235.6 84.14

```

NODE Vxx Vyy

```

MAX Cent 314675.5 17821.3
543 300537.8 16548.1
544 300537.8 19094.5
554 334248.2 19094.5
553 334248.2 16548.1
MIN Cent 226794.6 12866.5
543 203539.6 11773.0
544 203539.6 13960.1
554 250049.5 13960.1
553 250049.5 11773.0

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1775 3 3 env SL~1 MAX Cent 4323032.7 5438904.1 -17840.6 5474988.2 4286461.7 -79.99
544 4547510.9 5458530.2 -17840.6 5502009.5 4503372.8 -78.00
36 4547510.9 5419277.9 -17840.6 5464520.5 4501580.1 -77.53
44 4098554.5 5419277.9 -17840.6 5450069.1 4067385.7 -81.44
554 4098554.5 5458530.2 -17840.6 5488474.6 4068242.1 -81.67
MIN Cent -1511143.0 -1280797.2 -206830.2 -1278901.0 -1512774.4 -84.78
544 -1511226.5 -1284897.9 -206830.2 -1282964.5 -1512885.6 -84.68
36 -1511226.5 -1276696.5 -206830.2 -1274831.2 -1512830.1 -84.86
44 -1511059.4 -1276696.5 -206830.2 -1274836.1 -1512664.1 -84.88
554 -1511059.4 -1284897.9 -206830.2 -1282969.8 -1512719.6 -84.69

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-113651.0	-14108.1	27841.0	-10652.7	-117106.4	79.62
544	32164.3	45565.4	27526.3	59700.8	18028.9	54.38
36	-143868.5	14978.7	21282.6	16185.7	-145075.5	85.04
44	-270769.5	-79937.9	27451.6	-78604.1	-272103.3	85.24
554	-72130.5	-37038.7	32227.9	-26569.9	-82599.2	64.39
MIN Cent	-724617.1	-123194.7	13255.2	-121958.4	-725853.4	87.41
544	-612684.6	-59615.2	12981.5	-58431.9	-613867.8	87.35
36	-734093.7	-77641.6	9018.7	-76982.9	-734752.4	88.19
44	-849582.1	-193567.1	12030.5	-192471.4	-850677.9	87.66
554	-702108.1	-161954.7	15993.4	-160108.0	-703954.8	86.66

NODE	Vxx	Vyy

MAX Cent	284578.2	20041.1
544	268653.6	19094.5
36	268653.6	20987.6
44	300502.8	20987.6
554	300502.8	19094.5
MIN Cent	179520.8	14840.8
544	162586.2	13960.1
36	162586.2	15721.6
44	196455.5	15721.6
554	196455.5	13960.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1776	3	3	env SL~1	MAX Cent	4381985.6	5419473.8	-6857.7	5474638.0	4326395.5	-77.28
				36	4613191.1	5431021.4	-6857.7	5499101.5	4544621.5	-74.44
				545	4613191.1	5407926.1	-6857.7	5477849.6	4542935.5	-74.08
				555	4150780.0	5407926.1	-6857.7	5454163.3	4104180.9	-79.28
				44	4150780.0	5431021.4	-6857.7	5476372.8	4104960.0	-79.55
				MIN Cent	-1483828.2	-1268715.7	-247945.6	-1268278.6	-1484164.6	-87.38
				36	-1489289.9	-1271000.0	-247945.6	-1270568.9	-1489621.4	-87.42
				545	-1489289.9	-1266431.3	-247945.6	-1266009.2	-1489614.8	-87.47
				555	-1478366.4	-1266431.3	-247945.6	-1265988.2	-1478708.0	-87.35
				44	-1478366.4	-1271000.0	-247945.6	-1270546.9	-1478715.2	-87.29

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-290885.6	-48959.8	16756.1	-48814.0	-291031.4	88.59
36	-146618.4	14428.7	16404.9	14807.8	-146997.5	87.23
545	-304998.7	-13916.2	10580.3	-13910.9	-305004.0	89.76
555	-442880.4	-116758.6	15710.8	-116737.9	-442901.1	89.54
44	-269045.0	-79593.0	21535.5	-79149.0	-269488.9	87.23
MIN Cent	-837321.6	-143846.3	4470.2	-143469.5	-837698.3	88.67
36	-737834.2	-78389.7	5541.7	-78005.9	-738218.0	88.62

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

545 -814946.9 -89496.9 1219.0 -89356.9 -815087.0 89.20
555 -947213.9 -213989.5 2591.3 -213680.2 -947523.1 88.82
44 -849291.3 -193509.0 6914.0 -192843.8 -849956.4 88.18

NODE Vxx Vyy

MAX Cent 252275.4 21576.7

36 241452.0 20987.6
545 241452.0 22165.9
555 263098.9 22165.9
44 263098.9 20987.6

MIN Cent 129675.9 16369.3

36 114891.8 15721.6
545 114891.8 17017.0
555 141722.6 17017.0
44 141722.6 15721.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1777 3 3 env SL~1 MAX Cent 4434782.5 5415217.5 4136.6 5494629.3 4355318.5 -74.67

545 4670928.8 5418432.8 4136.6 5517810.6 4571466.5 -71.07
546 4670928.8 5412002.3 4136.6 5512152.2 4570796.9 -70.95
556 4198636.2 5412002.3 4136.6 5477815.9 4132804.2 -77.21
555 4198636.2 5418432.8 4136.6 5483835.3 4133112.8 -77.26

MIN Cent -1454581.0 -1259959.8 -291596.4 -1259946.1 -1454611.7 89.51

545 -1465141.2 -1260344.1 -291596.4 -1260331.0 -1465170.3 89.53
546 -1465141.2 -1259575.6 -291596.4 -1259562.6 -1465170.2 89.54
556 -1444020.9 -1259575.6 -291596.4 -1259561.1 -1444053.3 89.48
555 -1444020.9 -1260344.1 -291596.4 -1260329.5 -1444053.4 89.48

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -445323.9 -79533.3 3776.9 -79349.9 -445507.4 -88.72

545 -306822.5 -14281.0 4880.5 -14182.9 -306920.6 -88.95
546 -444925.8 -39997.9 -1756.8 -39619.4 -445304.3 -88.25
556 -587971.3 -147356.8 2118.5 -147035.0 -588293.2 -88.45
555 -441575.9 -116497.7 8761.6 -116424.3 -441649.3 -89.14

MIN Cent -902463.5 -155364.0 -8194.3 -155351.4 -902476.1 89.77

545 -816940.0 -89895.5 -5357.5 -89870.2 -816965.4 89.66
546 -848966.8 -94142.8 -12384.7 -94134.7 -848974.9 -89.81
556 -995917.7 -223264.8 -11913.0 -223262.5 -995920.0 89.90
555 -948029.7 -214152.7 -4885.8 -214062.9 -948119.5 89.37

NODE Vxx Vyy

MAX Cent 215965.4 22357.2

545 210223.2 22165.9
546 210223.2 22548.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

556 221707.7 22548.5
555 221707.7 22165.9
MIN Cent 61064.4 17410.9
545 49294.5 17017.0
546 49294.5 17804.7
556 72834.3 17804.7
555 72834.3 17017.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1778 3 3 env SL~1 MAX Cent 4482600.2 5426784.2 15177.6 5534240.8 4375143.6 -72.27
546 4721072.4 5421423.9 15177.6 5556664.3 4585832.1 -68.08
37 4721072.4 5432144.5 15177.6 5565905.5 4587311.4 -68.30
45 4244128.0 5432144.5 15177.6 5520669.4 4155603.1 -75.25
556 4244128.0 5421423.9 15177.6 5510649.2 4154902.8 -75.14
MIN Cent -1423385.6 -1254783.8 -337371.4 -1253716.4 -1424453.0 85.47
546 -1438815.2 -1253187.8 -337371.4 -1252217.2 -1439785.7 85.88
37 -1438815.2 -1256379.8 -337371.4 -1255392.5 -1439802.5 85.80
45 -1407956.0 -1256379.8 -337371.4 -1255194.3 -1409141.5 84.97
556 -1407956.0 -1253187.8 -337371.4 -1252026.4 -1409117.4 85.07

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -574206.4 -100899.8 -10913.8 -100184.0 -575326.7 -87.85
546 -445693.2 -40151.3 -8241.3 -39243.0 -446601.5 -87.29
37 -535873.1 -45508.8 -13495.8 -44376.5 -537005.3 -87.25
45 -693369.7 -159214.8 -13190.8 -158320.6 -694264.0 -87.66
556 -587140.1 -147190.6 -5661.1 -146304.5 -588026.2 -87.43
MIN Cent -919131.0 -157614.7 -22947.0 -157428.2 -919317.4 -89.10
546 -848950.6 -94139.6 -19214.3 -94030.5 -849059.7 -89.31
37 -834893.7 -91637.0 -26383.8 -91260.4 -835270.3 -88.71
45 -994642.0 -220993.3 -26933.7 -220731.1 -994904.2 -88.95
556 -998037.7 -223688.8 -19764.2 -223632.8 -998093.7 -89.51

NODE Vxx Vyy

MAX Cent 175373.4 22310.3
546 174912.3 22548.5
37 174912.3 22075.4
45 175834.5 22075.4
556 175834.5 22548.5
MIN Cent -12975.2 17921.6
546 -21433.9 17804.7
37 -21433.9 18038.6
45 -4516.6 18038.6
556 -4516.6 17804.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1779	3	3	env SL~1	MAX Cent 4525294.8	5454800.6	26309.5	5592592.2	4387503.2	-70.24	
				37 4763003.5	5440683.5	26309.5	5613582.7	4590104.2	-65.73	
				547 4763003.5	5468917.8	26309.5	5637154.7	4594766.5	-66.31	
				557 4287586.1	5468917.8	26309.5	5582489.6	4174014.3	-73.50	
				45 4287586.1	5440683.5	26309.5	5556574.6	4171695.0	-73.19	
				MIN Cent -1390290.7	-1253342.9	-384833.2	-1249071.6	-1394562.0	80.13	
				37 -1410548.0	-1249760.8	-384833.2	-1246093.1	-1414215.7	81.51	
				547 -1410548.0	-1256925.0	-384833.2	-1253094.1	-1414378.8	81.13	
				557 -1370033.5	-1256925.0	-384833.2	-1251822.4	-1375136.1	78.26	
				45 -1370033.5	-1249760.8	-384833.2	-1244939.0	-1374855.3	78.89	
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent -605417.6	-100425.7	-21578.9	-97896.2	-607947.1	-85.96	
				37 -534219.8	-45178.2	-17244.5	-43183.2	-536214.7	-86.35	
				547 -520467.5	-45496.1	-21486.6	-42268.1	-523695.5	-85.30	
				557 -671144.2	-151319.8	-24592.4	-148449.6	-674014.4	-85.76	
				45 -695838.9	-159708.7	-20350.3	-157951.6	-697596.0	-86.73	
				MIN Cent -885886.1	-150393.8	-37713.8	-149275.1	-887004.8	-87.77	
				37 -832545.7	-91167.4	-33147.6	-90388.3	-833324.8	-88.14	
				547 -771231.8	-82122.6	-40140.4	-80589.8	-772764.6	-87.30	
				557 -941485.2	-207140.9	-41850.7	-205812.5	-942849.3	-87.56	
				45 -998281.8	-221721.3	-34858.0	-221028.7	-998974.4	-88.29	
				NODE	Vxx	Vyy				
				MAX Cent 130118.0	21316.0					
				37 135396.0	22075.4					
				547 135396.0	20556.5					
				557 124840.0	20556.5					
				45 124840.0	22075.4					
				MIN Cent -89545.8	17849.4					
				37 -94083.4	18038.6					
				547 -94083.4	17112.5					
				557 -85008.2	17112.5					
				45 -85008.2	18038.6					

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1780	3	3	env SL~1	MAX Cent 4563961.0	5500032.5	37612.0	5668968.3	4395025.1	-68.64	
				547 4797198.6	5476651.0	37612.0	5686551.3	4587298.4	-64.09	
				548 4797198.6	5523413.9	37612.0	5724684.3	4595928.3	-65.02	
				558 4330723.4	5523413.9	37612.0	5663481.0	4190656.4	-72.04	
				557 4330723.4	5476651.0	37612.0	5621296.3	4186078.0	-71.49	
				MIN Cent -1355388.0	-1255555.0	-433578.4	-1244021.1	-1366921.9	72.16	
				547 -1380728.1	-1249944.4	-433578.4	-1240766.9	-1389905.6	75.64	

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

548 -1380728.1 -1261165.6 -433578.4 -1251245.4 -1390648.2 74.53
 558 -1330047.9 -1261165.6 -433578.4 -1245900.7 -1345312.8 66.93
 557 -1330047.9 -1249944.4 -433578.4 -1236250.2 -1343742.2 69.09

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-566746.3	-92743.5	-30270.7	-87050.4	-572439.5	-83.78
547	-516932.1	-44789.1	-25024.8	-40219.6	-521501.6	-84.41
548	-469663.6	-41094.9	-28846.4	-34337.2	-476421.2	-82.90
558	-605607.5	-133042.8	-33405.6	-126703.9	-611946.4	-83.44
557	-674782.1	-152047.4	-29584.0	-147760.5	-679069.0	-84.85
MIN Cent	-800730.4	-140305.9	-52258.7	-135881.3	-804056.1	-85.12
547	-766163.4	-81745.4	-46672.7	-78734.0	-768538.3	-86.64
548	-709279.1	-97220.7	-54238.2	-92669.5	-713830.4	-85.09
558	-834839.6	-194975.6	-55986.4	-190075.4	-838734.0	-85.00
557	-946853.4	-208193.0	-49530.4	-205877.4	-949205.7	-86.79

NODE	Vxx	Vyy

MAX Cent	79748.1	19180.2
547	91530.5	20556.5
548	91530.5	17804.0
558	67965.6	17804.0
557	67965.6	20556.5
MIN Cent	-169473.6	15877.0
547	-168808.9	17112.5
548	-168808.9	14641.5
558	-170138.2	14641.5
557	-170138.2	17112.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1781	3	3	env SL~1	MAX Cent	4599992.2	5563964.8	49191.0	5763232.7	4400724.4	-67.52
				548	4823936.0	5530620.2	49191.0	5774477.4	4580078.7	-63.14
				549	4823936.0	5597309.5	49191.0	5828136.3	4593109.1	-64.39
				559	4376048.4	5597309.5	49191.0	5764281.7	4209076.2	-70.87
				558	4376048.4	5530620.2	49191.0	5705036.0	4201632.6	-70.09
				MIN Cent	-1318801.5	-1261721.4	-483187.1	-1234923.9	-1345599.0	60.52
				548	-1349813.2	-1253848.3	-483187.1	-1234376.9	-1369284.6	67.67
				549	-1349813.2	-1269594.4	-483187.1	-1247603.3	-1371804.3	65.12
				559	-1287789.9	-1269594.4	-483187.1	-1230417.2	-1326967.1	50.43
				558	-1287789.9	-1253848.3	-483187.1	-1220463.2	-1321174.9	54.85

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-487387.6	-77484.5	-37865.7	-66640.7	-498231.3	-80.88
548	-464038.5	-39969.8	-31973.9	-31412.4	-472595.9	-81.99
549	-381926.4	-32399.8	-35019.2	-19804.3	-394522.0	-79.44

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

559 -469225.6 -103550.3 -40856.8 -91269.8 -473796.6 -80.08
 558 -610483.2 -134017.9 -37811.5 -125685.6 -618815.5 -82.53
 MIN Cent -776373.1 -148235.1 -67546.2 -141673.8 -782934.4 -84.19
 548 -706356.3 -96636.1 -60845.6 -91055.0 -711937.5 -84.56
 549 -735918.0 -107794.3 -67875.3 -101322.4 -742389.9 -84.23
 559 -832819.0 -193401.4 -72238.6 -186137.7 -840082.7 -83.95
 558 -841908.2 -195108.6 -63556.8 -188911.4 -847697.5 -84.39

NODE Vxx Vyy

MAX Cent 23788.9 15814.1
 548 43211.5 17804.0
 549 43211.5 14973.4
 559 4366.3 14973.4
 558 4366.3 17804.0
 MIN Cent -253572.2 12850.4
 548 -245457.0 14641.5
 549 -245457.0 11059.3
 559 -261687.4 11059.3
 558 -261687.4 14641.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1782 3 3 env SL~1 MAX Cent 4635064.7 5649975.0 61250.7 5876474.9 4408564.8 -66.87
 549 4841910.5 5604324.0 61250.7 5876185.2 4570049.2 -62.86
 550 4841910.5 5695626.1 61250.7 5949493.5 4588043.1 -64.42
 560 4428218.9 5695626.1 61250.7 5888215.1 4235629.8 -70.04
 559 4428218.9 5604324.0 61250.7 5808095.3 4224447.6 -68.98
 MIN Cent -1280547.6 -1271887.5 -532354.5 -1216899.8 -1335535.3 47.09
 549 -1317901.4 -1261943.7 -532354.5 -1224480.5 -1355364.6 57.66
 550 -1317901.4 -1281831.3 -532354.5 -1238018.9 -1361713.8 53.48
 560 -1243193.8 -1281831.3 -532354.5 -1200278.7 -1324746.4 35.96
 559 -1243193.8 -1261943.7 -532354.5 -1192671.1 -1312466.4 40.50

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -345830.5 -51926.2 -43504.4 -34594.2 -352203.5 -76.26
 549 -374098.0 -30834.2 -37578.6 -16067.0 -388865.1 -78.52
 550 -236683.0 -8871.9 -39323.8 10624.8 -243859.2 -73.00
 560 -257037.4 -55902.0 -45822.1 -38230.6 -267491.0 -74.01
 559 -471920.8 -104560.4 -44076.9 -89847.1 -477169.1 -79.20
 MIN Cent -770460.8 -148853.4 -88264.1 -139972.2 -779341.9 -83.23
 549 -731864.6 -106983.7 -75271.5 -99563.1 -739285.2 -83.82
 550 -727064.0 -113197.9 -84989.3 -104760.7 -735501.2 -83.36
 560 -789123.7 -181636.2 -95155.6 -171655.4 -799104.5 -82.75
 559 -833790.9 -193595.8 -85224.8 -185030.9 -842355.7 -83.45

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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-----
MAX Cent -38198.4 13820.2
  549 -9555.3 14973.4
  550 -9555.3 12667.1
  560 -66841.4 12667.1
  559 -66841.4 14973.4
MIN Cent -342632.6 8693.2
  549 -323360.1 11059.3
  550 -323360.1 6327.1
  560 -361905.0 6327.1
  559 -361905.0 11059.3

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
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1783 3 3 env SL~1 MAX Cent 4670130.9 5760654.0 73752.8 6010089.5 4420695.4 -66.66
  550 4847654.7 5702639.3 73752.8 5994162.3 4556131.8 -63.24
  38 4847654.7 5818668.6 73752.8 6088112.1 4578211.2 -65.01
  46 4492607.2 5818668.6 73752.8 6035321.3 4275954.4 -69.46
  560 4492607.2 5702639.3 73752.8 5934449.2 4260797.3 -68.15
MIN Cent -1240799.2 -1287490.8 -580865.9 -1189390.1 -1338899.9 35.90
  550 -1284972.3 -1273881.6 -580865.9 -1208194.8 -1350659.1 47.23
  38 -1284972.3 -1301099.9 -580865.9 -1221563.8 -1364508.4 41.76
  46 -1196626.2 -1301099.9 -580865.9 -1160704.4 -1337021.8 26.83
  560 -1196626.2 -1273881.6 -580865.9 -1154412.3 -1316095.5 30.73

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
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MAX Cent -110792.4 -6055.7 -45810.2 27745.1 -129387.3 -64.92
  550 -228678.1 -7270.9 -41537.3 17753.4 -236869.4 -71.54
  38 7806.4 30028.2 -41162.9 111811.2 -25489.3 -46.41
  46 37584.3 9489.9 -45997.9 73683.2 -26609.1 -36.87
  560 -259734.4 -56470.1 -46468.2 -36116.0 -270389.9 -73.19
MIN Cent -721357.0 -141450.5 -109009.1 -130257.8 -732549.7 -82.16
  550 -722279.4 -112240.9 -90079.4 -103157.9 -731362.4 -83.09
  38 -680144.9 -112127.8 -99359.8 -101955.0 -690317.8 -82.44
  46 -692947.3 -159610.5 -120504.5 -146470.2 -706087.6 -81.19
  560 -790056.4 -181822.7 -111148.4 -170690.1 -801189.0 -82.36

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NODE Vxx Vyy
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MAX Cent -106549.2 11411.8
  550 -66583.0 12667.1
  38 -66583.0 10156.5
  46 -146515.4 10156.5
  560 -146515.4 12667.1
MIN Cent -437474.9 3523.6
  550 -401134.2 6327.1
  38 -401134.2 645.6
  46 -473815.6 645.6

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

560 -473815.6 6327.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1784	3	3	env SL~1	MAX Cent 4705011.1	5875024.7	81685.2	6133126.1	4446909.7	-66.97	
				38 4820241.0	5825644.6	81685.2	6111173.5	4534712.1	-64.81	
				39 4820241.0	5924404.7	81685.2	6192928.0	4551717.6	-66.14	
				47 4589781.3	5924404.7	81685.2	6159258.9	4354927.1	-68.85	
				46 4589781.3	5825644.6	81685.2	6073991.2	4341434.7	-67.75	
				MIN Cent -1198169.7	-1297571.2	-610850.8	-1155417.6	-1340323.3	28.74	
				38 -1245142.6	-1292574.0	-610850.8	-1187373.4	-1350343.3	36.54	
				39 -1245142.6	-1302568.4	-610850.8	-1190778.5	-1356932.6	34.89	
				47 -1151196.7	-1302568.4	-610850.8	-1118228.5	-1335536.7	22.92	
				46 -1151196.7	-1292574.0	-610850.8	-1116651.1	-1327119.7	23.90	

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 190272.4	54032.6	-43532.4	209845.9	40097.4	-35.42
38 25591.2	31491.4	-44376.9	120133.0	-23815.0	-44.30
39 332548.6	76761.8	-40628.8	366455.4	68956.6	-18.07
47 408797.9	98714.6	-35964.3	413425.1	94087.4	-6.91
46 35946.7	9162.4	-39784.3	77497.0	-21517.3	-56.82
MIN Cent -625090.7	-125511.9	-127902.4	-111846.2	-638756.4	-80.73
38 -675375.9	-111174.0	-96882.7	-101277.3	-685272.6	-82.52
39 -594860.5	-112646.0	-104011.8	-101587.2	-605919.3	-81.48
47 -536706.1	-118522.6	-149431.2	-101857.7	-553371.0	-78.92
46 -693420.4	-159705.1	-142248.1	-145990.8	-707134.7	-81.01

NODE Vxx Vyy

MAX Cent -181263.4	7057.4
38 -127768.5	10156.5
39 -127768.5	3958.3
47 -234758.3	3958.3
46 -234758.3	10156.5
MIN Cent -539033.4	-3583.3
38 -476796.9	645.6
39 -476796.9	-7872.1
47 -601269.9	-7872.1
46 -601269.9	645.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1785	3	3	env SL~1	MAX Cent 4723656.1	5800268.7	126574.0	6257445.0	4266127.0	-61.36	
				39 4896272.7	5928133.7	126574.0	6396041.2	4428365.1	-60.81	
				5040 4896272.7	5672940.7	126574.0	6207064.2	4360906.8	-57.42	
				5048 4551039.5	5672940.7	126574.0	6119199.3	4103538.5	-61.89	

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

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47 4551039.5 5928133.7 126574.0 6323952.8 4155220.3 -64.71
MIN Cent -1153733.0 -1284639.4 -843609.9 -1081814.5 -1356205.2 30.79
39 -1227450.3 -1293681.1 -843609.9 -1135433.2 -1385698.2 37.33
5040 -1227450.3 -1276134.7 -843609.9 -1128190.8 -1374151.7 39.44
5048 -1080015.7 -1276134.7 -843609.9 -1022354.9 -1332553.1 25.54
47 -1080015.7 -1293681.1 -843609.9 -1025681.6 -1348015.2 24.24

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 553855.4 139416.8 -25031.2 555617.9 137654.2 -3.72
39 350653.2 77261.9 -70890.4 381302.1 55308.6 -16.95
5040 721525.2 201487.6 -61828.1 740304.6 192340.9 -10.37
5048 854183.9 180000.3 6302.5 854219.0 179965.2 0.41
47 409812.1 98917.4 -3087.0 409875.6 98853.9 -0.82
MIN Cent -478419.7 -96974.5 -123275.3 -88053.7 -487340.4 -81.40
39 -592853.7 -112244.6 -100621.6 -96078.8 -609019.4 -79.77
5040 -447174.9 19777.4 -102866.5 34242.3 -461639.8 -80.17
5048 -337993.6 -177117.9 -186763.5 -146326.9 -368784.6 -68.16
47 -535656.6 -118312.7 -184518.6 -102416.3 -551553.0 -79.16

```

NODE Vxx Vyy

```

MAX Cent -259852.7 26705.9
39 -188584.9 3958.3
5040 -188584.9 49453.4
5048 -331120.5 49453.4
47 -331120.5 3958.3
MIN Cent -646581.1 6133.5
39 -545822.8 -7872.1
5040 -545822.8 14135.3
5048 -747339.4 14135.3
47 -747339.4 -7872.1

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1786 3 3 env SL~1 MAX Cent 3593594.7 5865942.9 -26023.6 5916553.2 3543166.5 -81.61
5041 3695927.6 5979936.8 -26023.6 6030295.7 3645740.8 -81.66
42 3695927.6 5751949.0 -26023.6 5807603.3 3640454.1 -80.79
50 3491261.8 5751949.0 -26023.6 5802813.1 3440590.0 -81.57
5049 3491261.8 5979936.8 -26023.6 6026326.3 3445052.8 -82.30
MIN Cent -1710048.5 -1457009.2 -381898.1 -1453441.7 -1713616.0 -83.28
5041 -1691134.6 -1496774.7 -381898.1 -1492173.7 -1695735.6 -81.35
42 -1691134.6 -1417243.6 -381898.1 -1413941.1 -1694437.1 -83.77
50 -1728962.5 -1417243.6 -381898.1 -1414334.0 -1731872.1 -84.51
5049 -1728962.5 -1496774.7 -381898.1 -1492896.9 -1732840.4 -82.70

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 1416313.0 273165.6 31864.6 1416767.0 272711.5 1.14
  5041 1623388.0 285504.6 20296.0 1623570.1 285322.5 0.67
    42 1191733.0 228779.4 29249.4 1192232.4 228280.0 1.30
    50 1239585.1 243076.7 30430.4 1240109.9 242551.8 1.31
  5049 1710961.5 361240.6 21477.0 1711139.3 361062.7 0.66
MIN Cent 978475.3 184869.4 18308.3 979753.5 184111.9 2.30
  5041 1092134.4 159689.2 9939.3 1092575.9 159247.7 1.25
    42 739620.8 130702.5 18668.1 740194.3 130129.0 1.76
    50 800548.1 150219.4 19818.7 801220.2 149547.3 1.84
  5049 1227977.5 264760.9 12159.9 1228465.4 264614.3 1.30
  
```

NODE Vxx Vyy

```

-----
MAX Cent 761522.7 -9933.4
  5041 725526.1 -18279.9
    42 725526.1 2466.0
    50 797519.4 2466.0
  5049 797519.4 -18279.9
MIN Cent 474701.3 -20178.1
  5041 444035.9 -38413.9
    42 444035.9 -2934.8
    50 505366.6 -2934.8
  5049 505366.6 -38413.9
  
```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
1787 3 3 env SL~1 MAX Cent 3656047.6 5763884.5 -17528.7 5814592.0 3605429.7 -81.30
    42 3762319.3 5764496.8 -17528.7 5817738.9 3709151.2 -80.87
    43 3762319.3 5763272.3 -17528.7 5816545.3 3709136.6 -80.86
    51 3549775.8 5763272.3 -17528.7 5811670.7 3501479.6 -81.69
    50 3549775.8 5764496.8 -17528.7 5812869.6 3501491.8 -81.69
MIN Cent -1675234.8 -1406675.7 -344815.6 -1405006.3 -1676904.2 -85.51
    42 -1657759.5 -1410280.9 -344815.6 -1408471.2 -1659569.2 -85.13
    43 -1657759.5 -1403070.6 -344815.6 -1401311.4 -1659518.7 -85.27
    51 -1692710.1 -1403070.6 -344815.6 -1401521.3 -1694259.3 -85.83
    50 -1692710.1 -1410280.9 -344815.6 -1408692.5 -1694298.5 -85.72
  
```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

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-----
MAX Cent 1068192.5 204411.7 44440.9 1069506.4 203097.7 2.23
  42 1194224.9 229277.8 45024.5 1195471.2 228031.5 2.06
  43 909406.0 172386.5 49550.8 911360.0 170432.5 2.94
  51 925340.6 172063.2 41708.3 926641.3 170762.6 2.38
  50 1243798.4 243919.3 37182.1 1244583.6 243134.2 1.60
MIN Cent 576024.4 98618.6 27592.0 577962.2 96679.1 3.64
  42 741777.7 131133.9 29621.7 743448.2 129463.4 2.99
  43 362880.1 60086.1 31533.1 367270.6 55749.7 6.82
  51 386447.3 50401.3 22898.8 388390.0 48458.6 4.34
  50 809467.1 152003.2 20836.8 810144.8 151325.5 1.84
  
```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	670750.8	5927.1
42	646455.5	2466.0
43	646455.5	9401.7
51	695046.1	9401.7
50	695046.1	2466.0
MIN Cent	456564.5	-243.0
42	432337.3	-2934.8
43	432337.3	1402.4
51	480791.6	1402.4
50	480791.6	-2934.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1788	3	3	env SL~1	MAX Cent	3740350.8	5746586.4	-11450.2	5797339.9	3689627.8	-81.08
				43	3850112.6	5780173.7	-11450.2	5832818.1	3797329.8	-80.76
				551	3850112.6	5712999.1	-11450.2	5767433.6	3795546.6	-80.45
				561	3630745.1	5712999.1	-11450.2	5761989.9	3581795.9	-81.39
				51	3630745.1	5780173.7	-11450.2	5827702.6	3583251.0	-81.64
				MIN Cent	-1646684.7	-1387780.2	-325981.6	-1386938.6	-1647526.3	-86.74
				43	-1631529.1	-1397360.6	-325981.6	-1396430.0	-1632294.1	-86.40
				551	-1631529.1	-1378199.8	-325981.6	-1377339.1	-1632239.4	-86.67
				561	-1662035.7	-1378199.8	-325981.6	-1377431.7	-1662803.8	-87.03
				51	-1662035.7	-1397360.6	-325981.6	-1396537.2	-1662859.1	-86.81

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	777969.4	142156.3	49581.9	780138.0	139987.7	3.34
43	911756.3	172856.5	51678.1	913856.8	170756.1	3.05
551	639541.1	120576.4	53055.0	642626.3	117491.2	4.40
561	629454.6	101972.0	44919.4	631500.9	99925.7	3.56
51	931125.5	173220.2	43542.5	932494.2	171851.5	2.43
MIN Cent	207093.7	18477.4	28470.0	213837.1	11581.8	10.53
43	365421.1	60579.7	32324.5	370478.6	55559.7	7.29
551	32681.4	-4320.9	32176.6	60402.1	-32041.6	33.20
561	30800.7	-37667.8	22500.9	42910.9	-49778.0	21.19
51	396811.9	52474.2	22648.8	399150.9	50135.3	4.70

NODE	Vxx	Vyy

MAX Cent	583483.2	12316.6
43	565948.5	9401.7
551	565948.5	15231.6
561	601018.0	15231.6
51	601018.0	9401.7
MIN Cent	432804.4	4014.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

43 408176.7 1402.4
551 408176.7 6626.9
561 454442.1 6626.9
51 454442.1 1402.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1789 3 3 env SL~1 MAX Cent 3816148.2 5697851.2 -7328.8 5749777.3 3763804.0 -80.71
551 3930347.9 5728052.5 -7328.8 5782253.5 3875678.6 -80.31
552 3930347.9 5667649.9 -7328.8 5723617.0 3873913.5 -80.00
562 3701948.5 5667649.9 -7328.8 5717480.1 3651744.3 -81.08
561 3701948.5 5728052.5 -7328.8 5776469.5 3653154.4 -81.33
MIN Cent -1617406.0 -1364154.7 -319842.6 -1363730.1 -1617731.3 -87.65
551 -1604899.2 -1372171.5 -319842.6 -1371708.8 -1605252.2 -87.44
552 -1604899.2 -1356137.9 -319842.6 -1355705.0 -1605230.6 -87.61
562 -1629912.9 -1356137.9 -319842.6 -1355745.6 -1630214.4 -87.83
561 -1629912.9 -1372171.5 -319842.6 -1371754.9 -1630232.2 -87.70

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 503930.7 82931.4 49294.9 506989.9 79872.2 4.85
551 642108.0 121089.8 52695.2 645102.8 118095.0 4.32
552 384571.9 70280.9 51610.4 389141.2 65711.6 6.83
562 353650.1 37195.4 43942.6 356623.4 34222.1 5.51
561 635392.7 103159.7 45027.3 637341.2 101211.2 3.46
MIN Cent -117129.3 -53740.3 26337.7 -35358.4 -135511.1 64.63
551 35304.3 -3796.3 30882.0 62670.6 -31162.6 32.69
552 -262037.0 -62300.7 29427.3 -53403.9 -270933.8 78.33
562 -283456.3 -113915.3 20251.3 -107940.1 -289431.4 79.55
561 40907.4 -35623.0 21706.0 52755.8 -47457.1 20.18

NODE Vxx Vyy

MAX Cent 498881.1 17358.7
551 486061.2 15231.6
552 486061.2 19485.8
562 511701.1 19485.8
561 511701.1 15231.6
MIN Cent 375354.7 8687.3
551 355689.1 6626.9
552 355689.1 10747.7
562 395020.4 10747.7
561 395020.4 6626.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1790 3 3 env SL~1 MAX Cent 3884230.7 5654379.2 -4281.9 5708312.4 3829878.9 -80.26

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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552 4003845.6 5681087.7 -4281.9 5737807.0 3946589.8 -79.77
553 4003845.6 5627670.7 -4281.9 5686125.2 3944850.9 -79.46
563 3764703.6 5627670.7 -4281.9 5679071.9 3712926.6 -80.71
562 3764703.6 5681087.7 -4281.9 5731132.7 3714281.8 -80.95
MIN Cent -1587085.6 -1343066.3 -316761.1 -1342856.2 -1587230.3 -88.31
552 -1577125.9 -1349843.5 -316761.1 -1349617.5 -1577280.9 -88.19
553 -1577125.9 -1336289.1 -316761.1 -1336075.9 -1577272.5 -88.29
563 -1597045.4 -1336289.1 -316761.1 -1336092.8 -1597181.0 -88.42
562 -1597045.4 -1349843.5 -316761.1 -1349636.4 -1597188.1 -88.34

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 248258.9 27439.3 44728.8 252544.8 23153.4 7.86
552 387098.5 70786.2 48761.9 391026.5 66858.2 6.32
553 146992.9 22860.4 45758.5 154907.2 14946.1 13.76
563 99562.8 -22231.0 39108.1 104612.4 -27280.5 11.28
562 359381.3 38341.6 42111.5 361882.6 35840.3 5.02
MIN Cent -395725.5 -115515.0 22138.4 -110733.7 -400506.7 82.62
552 -259569.9 -61807.3 26690.6 -53477.9 -267899.2 78.63
553 -506320.7 -111163.4 24335.5 -107162.3 -510321.8 84.28
563 -542537.5 -176970.6 16436.5 -174411.7 -545096.4 85.23
562 -274473.7 -112118.8 18791.6 -105980.2 -280612.3 79.19

```

NODE Vxx Vyy

```

MAX Cent 416410.7 21153.7
552 407040.5 19485.8
553 407040.5 23397.6
563 425780.9 23397.6
562 425780.9 19485.8
MIN Cent 318623.9 12486.4
552 303012.6 10747.7
553 303012.6 14225.2
563 334235.2 14225.2
562 334235.2 10747.7

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1791 3 3 env SL~1 MAX Cent 3943391.8 5620401.7 -1889.2 5677138.0 3886134.5 -79.77
553 4070350.8 5639254.0 -1889.2 5699608.2 4009410.3 -79.13
554 4070350.8 5601549.5 -1889.2 5663273.3 4008039.5 -78.89
564 3816432.8 5601549.5 -1889.2 5655065.4 3762450.8 -80.34
563 3816432.8 5639254.0 -1889.2 5691728.1 3763491.9 -80.52
MIN Cent -1555191.3 -1324965.9 -316926.3 -1324870.1 -1555246.3 -88.82
553 -1547789.1 -1329671.6 -316926.3 -1329570.3 -1547847.1 -88.76
554 -1547789.1 -1320260.2 -316926.3 -1320163.2 -1547844.8 -88.81
564 -1562593.6 -1320260.2 -316926.3 -1320169.4 -1562645.9 -88.88
563 -1562593.6 -1329671.6 -316926.3 -1329577.0 -1562647.9 -88.84

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	13058.4	-23650.0	36837.5	24220.8	-34812.4	25.78
553	149348.8	23331.6	41097.3	155278.7	17401.7	11.97
554	-70928.9	-21046.4	36617.5	-11713.1	-80262.3	68.35
564	-131000.9	-75704.4	31317.1	-70804.2	-135901.0	74.08
563	104814.4	-21180.7	35797.0	108426.7	-24792.9	9.48
MIN Cent	-622341.0	-165885.9	16416.5	-163584.5	-624642.4	85.95
553	-504371.1	-110773.5	20694.1	-107361.9	-507782.8	84.70
554	-700860.1	-149886.9	17577.7	-147778.7	-702968.3	86.47
564	-749100.9	-227413.6	11298.9	-226043.4	-750471.1	87.07
563	-535032.0	-175469.5	14415.3	-173077.0	-537424.5	85.35

NODE	Vxx	Vyy

MAX Cent	344927.3	25258.3
553	334248.2	23397.6
554	334248.2	27119.1
564	355606.4	27119.1
563	355606.4	23397.6
MIN Cent	262195.6	15631.1
553	250049.5	14225.2
554	250049.5	17037.1
564	274341.7	17037.1
563	274341.7	14225.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1792	3	3	env SL~1	MAX Cent	3993808.9	5600526.3	3.2	5660843.4	3932911.6	-79.24
				554	4130810.7	5611373.1	3.2	5676357.9	4065120.7	-78.42
				44	4130810.7	5589679.5	3.2	5655655.2	4064241.5	-78.27
				52	3856807.0	5589679.5	3.2	5645947.4	3800070.7	-79.95
				564	3856807.0	5611373.1	3.2	5666908.0	3800717.9	-80.09
				MIN Cent	-1521799.9	-1310613.1	-320494.5	-1310577.1	-1521813.5	-89.24
				554	-1516933.9	-1313336.3	-320494.5	-1313298.8	-1516948.1	-89.21
				44	-1516933.9	-1307889.9	-320494.5	-1307853.5	-1516947.7	-89.24
				52	-1526665.8	-1307889.9	-320494.5	-1307855.2	-1526679.0	-89.27
				564	-1526665.8	-1313336.3	-320494.5	-1313300.7	-1526679.3	-89.25

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-199575.5	-69734.7	26694.9	-68469.2	-200841.0	84.39
554	-68848.9	-20630.4	30598.9	-14719.0	-74760.2	71.71
44	-266943.7	-60808.7	26869.1	-60060.8	-267691.7	86.56
52	-336094.1	-122712.6	21662.8	-122480.6	-336326.1	88.11
564	-126415.3	-74787.3	26841.4	-71925.0	-129277.6	77.09
MIN Cent	-798548.7	-204951.4	9499.3	-203816.0	-799684.1	87.50
554	-699646.0	-149644.1	13284.8	-148031.7	-701258.3	86.91

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

44 -846518.1 -178247.0 9738.8 -177222.3 -847542.7 87.76
52 -904878.8 -265690.7 5137.5 -265004.6 -905564.9 88.12
564 -743151.8 -226223.8 8683.5 -225056.9 -744318.7 87.28

NODE Vxx Vyy

MAX Cent 308435.6 28695.8

554 300502.8 27119.1
44 300502.8 30272.5
52 316368.4 30272.5
564 316368.4 27119.1

MIN Cent 205540.8 18121.9

554 196455.5 17037.1
44 196455.5 19206.6
52 214626.1 19206.6
564 214626.1 17037.1

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1793 3 3 env SL~1 MAX Cent 4035454.4 5595372.3 1517.0 5660236.0 3970122.0 -78.72

44 4185941.3 5597843.9 1517.0 5668869.8 4114356.3 -77.68
555 4185941.3 5592900.8 1517.0 5664152.4 4114138.7 -77.65
565 3884967.6 5592900.8 1517.0 5652554.1 3824916.3 -79.61
52 3884967.6 5597843.9 1517.0 5657336.8 3825070.7 -79.64

MIN Cent -1486859.7 -1299909.4 -327731.4 -1299901.3 -1486860.0 -89.62

44 -1484525.4 -1300650.2 -327731.4 -1300642.0 -1484525.7 -89.61
555 -1484525.4 -1299168.5 -327731.4 -1299160.4 -1484525.7 -89.61
565 -1489194.0 -1299168.5 -327731.4 -1299160.6 -1489194.3 -89.62
52 -1489194.0 -1300650.2 -327731.4 -1300642.2 -1489194.3 -89.62

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -387443.5 -110234.2 18395.1 -110230.7 -387447.1 89.79

44 -265219.1 -60463.8 21571.3 -60294.4 -265388.5 88.35
555 -438695.2 -95832.6 17072.0 -95832.4 -438695.3 -89.96
565 -513529.7 -162680.8 14159.8 -162623.6 -513586.9 -89.27
52 -332330.0 -121959.8 18659.1 -121946.9 -332342.8 89.55

MIN Cent -925279.2 -232760.9 996.4 -232307.6 -925732.5 88.53

44 -846227.3 -178188.8 5082.7 -177536.7 -846879.4 88.21
555 -943613.2 -195986.2 -230.0 -195626.0 -943973.4 88.74
565 -1010767.2 -292051.9 -4479.9 -291797.5 -1011021.6 88.92
52 -900509.3 -264816.8 1641.2 -264307.8 -901018.2 88.38

NODE Vxx Vyy

MAX Cent 268358.6 31643.5

44 263098.9 30272.5
555 263098.9 33014.6

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

565 273618.3 33014.6
52 273618.3 30272.5
MIN Cent 148023.3 19967.2
44 141722.6 19206.6
555 141722.6 20727.8
565 154324.0 20727.8
52 154324.0 19206.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1794 3 3 env SL~1 MAX Cent 4068190.6 5605423.7 2810.5 5675690.5 3997513.1 -78.15
555 4236675.0 5599388.2 2810.5 5677775.7 4157833.0 -76.82
556 4236675.0 5611459.3 2810.5 5689329.1 4158463.5 -76.92
566 3899706.8 5611459.3 2810.5 5675085.2 3835714.2 -79.24
565 3899706.8 5599388.2 2810.5 5663349.0 3835285.5 -79.24
MIN Cent -1450291.8 -1292829.7 -339084.4 -1292829.7 -1450296.9 -89.98
555 -1450521.8 -1291597.9 -339084.4 -1291597.9 -1450526.9 -89.98
556 -1450521.8 -1294061.5 -339084.4 -1294061.5 -1450527.0 -89.98
566 -1450061.7 -1294061.5 -339084.4 -1294061.5 -1450066.9 -89.98
565 -1450061.7 -1291597.9 -339084.4 -1291597.9 -1450066.8 -89.98

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -548130.0 -144536.4 8530.0 -144183.8 -548482.6 -88.31
555 -437390.7 -95571.7 10874.1 -95411.5 -437550.9 -88.76
556 -583602.5 -125512.8 5621.6 -125091.8 -584023.6 -88.26
566 -660782.8 -194937.3 5236.9 -194333.4 -661386.7 -87.94
565 -510744.0 -162123.7 10489.4 -161820.2 -511047.6 -88.31
MIN Cent -1002778.5 -249232.6 -11933.9 -249148.9 -1002862.2 89.40
555 -944429.0 -196149.4 -7401.7 -196009.4 -944569.0 89.22
556 -991812.7 -202740.1 -13894.6 -202707.9 -991844.8 89.63
566 -1066867.6 -306541.7 -16784.1 -306512.5 -1066896.9 89.64
565 -1008004.8 -291499.4 -10291.2 -291362.1 -1008142.0 89.21

NODE Vxx Vyy

MAX Cent 224278.9 34244.3
555 221707.7 33014.6
556 221707.7 35474.0
566 226850.1 35474.0
565 226850.1 33014.6
MIN Cent 80572.9 21148.7
555 72834.3 20727.8
556 72834.3 21569.6
566 88311.4 21569.6
565 88311.4 20727.8

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1795	3	3	env SL~1	MAX Cent	4092580.6	5631076.4	3847.4	5708105.4	4015328.4	-77.67
				556	4284941.8	5616083.8	3847.4	5703796.4	4196981.5	-76.02
				45	4284941.8	5646069.0	3847.4	5732109.7	4198702.4	-76.28
				53	3900219.4	5646069.0	3847.4	5714653.7	3831436.1	-78.98
				566	3900219.4	5616083.8	3847.4	5685733.5	3830322.0	-78.81
				MIN Cent	-1411966.6	-1289410.1	-355185.9	-1289404.3	-1411991.6	89.59
				556	-1414836.6	-1286134.3	-355185.9	-1286128.8	-1414860.3	89.61
				45	-1414836.6	-1292685.9	-355185.9	-1292680.1	-1414861.6	89.59
				53	-1409096.7	-1292685.9	-355185.9	-1292679.8	-1409122.9	89.57
				566	-1409096.7	-1286134.3	-355185.9	-1286128.6	-1409121.5	89.60
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	-678891.9	-171959.3	-2644.5	-170697.3	-680153.9	-87.15
				556	-582771.3	-125346.6	-1305.3	-124347.1	-583770.8	-87.33
				45	-688619.5	-135463.9	-7140.8	-134906.1	-689177.3	-88.18
				53	-772534.2	-218666.8	-4851.0	-217130.3	-772987.7	-87.00
				566	-659158.6	-194612.5	1014.6	-193505.3	-660265.8	-87.21
				MIN Cent	-1030565.4	-254115.3	-25324.7	-254102.1	-1030578.6	-89.76
				556	-993932.7	-203164.1	-21405.5	-203159.2	-993937.6	-89.86
				45	-990038.7	-197976.7	-27973.8	-197899.2	-990116.1	-89.43
				53	-1072512.6	-308996.6	-29274.4	-308959.9	-1072549.3	-89.60
				566	-1065777.8	-306323.8	-22706.0	-306323.3	-1065778.2	89.96
				NODE	Vxx	Vyy				
				MAX Cent	175600.5	36619.5				
				556	175834.5	35474.0				
				45	175834.5	37765.0				
				53	175366.4	37765.0				
				566	175366.4	35474.0				
				MIN Cent	2643.3	21617.8				
				556	-4516.6	21569.6				
				45	-4516.6	21666.0				
				53	9803.2	21666.0				
				566	9803.2	21569.6				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1796	3	3	env SL~1	MAX Cent	4107114.4	5673484.1	4639.0	5758458.0	4022140.5	-77.22
				45	4331322.8	5648777.0	4639.0	5747837.8	4232262.0	-75.19
				557	4331322.8	5698191.1	4639.0	5794117.8	4235396.1	-75.64
				567	3882906.0	5698191.1	4639.0	5772452.9	3808644.3	-78.79
				53	3882906.0	5648777.0	4639.0	5724953.7	3806729.3	-78.51
				MIN Cent	-1371711.2	-1289865.7	-376850.8	-1289799.9	-1371777.0	88.38
				45	-1377338.1	-1284436.0	-376850.8	-1284378.0	-1377396.1	88.57

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

557 -1377338.1 -1295295.3 -376850.8 -1295229.7 -1377403.7 88.38
 567 -1366084.3 -1295295.3 -376850.8 -1295219.3 -1366160.4 88.12
 53 -1366084.3 -1284436.0 -376850.8 -1284370.1 -1366150.3 88.37

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-719523.4	-176777.2	-15001.4	-175444.8	-720855.9	-87.17
45	-691088.7	-135957.7	-14872.6	-134775.0	-692271.4	-87.36
557	-666517.0	-128183.7	-21370.9	-126247.6	-668453.1	-86.57
567	-747303.5	-217874.0	-15962.1	-216365.5	-748811.9	-86.95
53	-773184.4	-218620.1	-9470.0	-216425.6	-774035.0	-86.41
MIN Cent	-1007392.2	-246960.5	-38593.5	-246640.7	-1007712.0	-88.83
45	-993678.5	-198704.6	-35544.1	-198396.8	-993986.3	-88.87
557	-936361.6	-181283.5	-41887.3	-180649.5	-937011.3	-88.34
567	-1026307.2	-299052.9	-41344.1	-298683.6	-1026676.5	-88.71
53	-1073221.5	-309138.4	-35001.0	-309010.7	-1073349.1	-89.26

NODE	Vxx	Vyy
MAX Cent	121559.2	38882.2
45	124840.0	37765.0
557	124840.0	39999.5
567	118278.4	39999.5
53	118278.4	37765.0
MIN Cent	-77997.6	21284.6
45	-85008.2	21666.0
557	-85008.2	20903.2
567	-74476.0	20903.2
53	-74476.0	21666.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1797	3	3	env SL~1	MAX Cent	4110780.8	5734166.8	5298.2	5828451.6	4016495.9	-76.81
				557	4377550.2	5698924.3	5298.2	5811837.7	4264636.8	-74.33
				558	4377550.2	5769409.2	5298.2	5877387.8	4269571.7	-74.98
				568	3844011.3	5769409.2	5298.2	5850137.1	3763283.4	-78.66
				567	3844011.3	5698924.3	5298.2	5782470.2	3760465.4	-78.27
				MIN Cent	-1329306.8	-1294581.8	-405116.7	-1294386.4	-1329502.2	85.72
				557	-1337853.3	-1286814.5	-405116.7	-1286681.1	-1337986.6	87.08
				558	-1337853.3	-1302349.0	-405116.7	-1302157.9	-1338044.4	85.81
				568	-1320760.4	-1302349.0	-405116.7	-1301985.7	-1321123.7	82.08
				567	-1320760.4	-1286814.5	-405116.7	-1286614.7	-1320960.2	85.63

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-674209.6	-164514.2	-26358.2	-161376.4	-677347.3	-85.53
557	-670154.9	-128911.3	-26846.6	-125940.7	-673125.6	-85.77
558	-601272.0	-111365.7	-30049.5	-107001.3	-605636.4	-84.63

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

568 -657001.9 -196456.0 -25317.6 -195068.4 -658389.5 -86.86
 567 -749371.5 -218287.6 -20954.1 -216158.2 -751500.9 -86.38
 MIN Cent -931206.1 -227644.1 -51143.6 -226436.1 -932420.8 -87.63
 557 -941729.8 -182335.6 -49227.4 -181098.6 -942979.6 -87.69
 558 -829070.0 -175907.9 -55030.1 -171282.0 -831187.5 -85.19
 568 -928316.4 -276917.9 -52365.7 -275665.2 -929569.1 -87.49
 567 -1029029.8 -299597.5 -46563.0 -298972.5 -1029654.7 -88.32

NODE Vxx Vyy

MAX Cent 61231.0 41148.0
 557 67965.6 39999.5
 558 67965.6 42296.6
 568 54496.3 42296.6
 567 54496.3 39999.5
 MIN Cent -162638.0 20002.7
 557 -170138.2 20903.2
 558 -170138.2 19102.2
 568 -165019.6 19102.2
 567 -165019.6 20903.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1798 3 3 env SL~1 MAX Cent 4102239.0 5814897.9 5807.4 5920430.7 3996706.3 -76.45
 558 4426235.0 5767700.9 5807.4 5898068.1 4295867.8 -73.43
 559 4426235.0 5862095.0 5807.4 5985177.6 4303152.4 -74.31
 569 3778243.0 5862095.0 5807.4 5950429.3 3689908.6 -78.60
 568 3778243.0 5767700.9 5807.4 5859877.8 3686066.1 -78.12
 MIN Cent -1284434.2 -1303423.9 -441246.8 -1284084.6 -1303773.5 7.66
 558 -1296130.4 -1293374.5 -441246.8 -1291809.6 -1297695.3 58.96
 559 -1296130.4 -1313473.2 -441246.8 -1295748.9 -1313854.7 8.35
 569 -1272738.1 -1313473.2 -441246.8 -1272572.7 -1313638.5 3.64
 568 -1272738.1 -1293374.5 -441246.8 -1272415.5 -1293697.1 7.07

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -561997.3 -141426.2 -32340.2 -135353.3 -564489.0 -83.35
 558 -606147.8 -112340.8 -33957.4 -106539.7 -611948.9 -83.85
 559 -467589.7 -84115.9 -36534.1 -75590.5 -471146.2 -81.83
 569 -500245.0 -158372.2 -29865.4 -155778.4 -502838.9 -85.04
 568 -661321.1 -197319.8 -27329.9 -195715.6 -662925.3 -86.64
 MIN Cent -857015.8 -204492.5 -62343.7 -198589.4 -862918.9 -84.59
 558 -836138.7 -176040.9 -61828.9 -170216.7 -839460.5 -84.62
 559 -829632.4 -177468.1 -66747.8 -170706.7 -836393.8 -84.22
 569 -879498.1 -241223.8 -61666.6 -237911.8 -885278.9 -85.52
 568 -933386.3 -277931.9 -56747.8 -276171.4 -935146.8 -87.04

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

MAX Cent -6464.9 43530.5

558 4366.3 42296.6
559 4366.3 44764.4
569 -17296.2 44764.4
568 -17296.2 42296.6

MIN Cent -254149.8 17544.4

558 -261687.4 19102.2
559 -261687.4 15986.5
569 -260612.3 15986.5
568 -260612.3 19102.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1799 3 3 env SL*1 MAX Cent 4079243.2 5915450.0 6384.0 6035229.3 3959464.0 -76.10

559 4481313.8 5857495.8 6384.0 6010687.0 4328122.6 -72.44
560 4481313.8 5973404.2 6384.0 6116667.7 4338050.3 -73.51
570 3677172.6 5973404.2 6384.0 6071264.5 3579312.3 -78.57
569 3677172.6 5857495.8 6384.0 5960120.4 3574548.0 -78.03

MIN Cent -1236811.2 -1316740.8 -487847.8 -1236728.8 -1316823.3 1.84

559 -1252164.5 -1303948.6 -487847.8 -1252037.5 -1304075.6 2.83
560 -1252164.5 -1329533.1 -487847.8 -1252079.4 -1329618.2 1.90
570 -1221457.9 -1329533.1 -487847.8 -1221396.9 -1329594.1 1.36
569 -1221457.9 -1303948.6 -487847.8 -1221378.0 -1304028.5 1.78

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -378915.9 -103719.0 -36990.5 -95256.2 -383814.4 -79.75

559 -470284.9 -85319.7 -39382.8 -74918.9 -474390.5 -81.06
560 -256282.2 -43749.2 -41230.3 -28402.4 -264673.0 -76.59
570 -280338.3 -105355.8 -33309.5 -99212.9 -286748.7 -79.58
569 -506379.8 -159599.2 -31461.9 -156757.4 -509221.6 -84.85

MIN Cent -830270.7 -195227.9 -71498.2 -187277.5 -838221.0 -83.66

559 -830604.2 -177662.4 -72673.3 -169671.6 -838595.0 -83.73
560 -786839.4 -170214.8 -77144.2 -160910.5 -796143.8 -83.05
570 -818179.8 -204386.7 -68482.3 -196838.8 -825727.7 -83.71
569 -885459.2 -242852.6 -64841.3 -238638.2 -891799.2 -84.98

NODE Vxx Vyy

MAX Cent -82772.6 46159.1

559 -66841.4 44764.4
560 -66841.4 47553.7
570 -98703.8 47553.7
569 -98703.8 44764.4

MIN Cent -353772.1 13567.4

559 -361905.0 15986.5
560 -361905.0 11148.2
570 -362442.6 11148.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

569 -362442.6 15986.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1800 3 3 env SL~1 MAX Cent 4040604.0 6041250.7 6826.1 6177577.3 3904277.3 -75.82
 560 4548726.5 5965676.3 6826.1 6147854.6 4366548.2 -71.35
 46 4548726.5 6116825.0 6826.1 6284647.4 4380904.1 -72.73
 54 3532481.5 6116825.0 6826.1 6225022.6 3424283.9 -78.66
 570 3532481.5 5965676.3 6826.1 6080031.8 3418125.9 -78.04
 MIN Cent -1185797.2 -1332262.7 -544218.0 -1185759.3 -1332300.5 0.92
 560 -1205580.6 -1319330.3 -544218.0 -1205531.9 -1319379.0 1.19
 46 -1205580.6 -1345195.1 -544218.0 -1205540.9 -1345234.8 0.97
 54 -1166013.7 -1345195.1 -544218.0 -1165982.8 -1345226.0 0.75
 570 -1166013.7 -1319330.3 -544218.0 -1165977.6 -1319366.4 0.88

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -122171.8 -48384.9 -40188.8 -29648.7 -140907.9 -65.77
 560 -259006.0 -45693.0 -42329.0 -25564.3 -267767.7 -77.53
 46 36491.1 38820.3 -43380.2 89314.7 -27750.6 -63.88
 54 23665.5 -35085.8 -35941.1 41730.7 -53150.9 -25.87
 570 -288730.0 -106996.7 -34889.8 -100497.9 -295458.2 -79.48
 MIN Cent -750993.4 -173516.1 -82709.9 -163218.5 -761291.0 -82.46
 560 -787772.2 -170401.4 -91539.2 -159873.4 -798300.1 -82.62
 46 -691566.1 -152704.4 -103571.3 -140155.1 -704115.5 -81.42
 54 -697564.2 -164793.7 -75129.0 -155311.9 -707046.0 -82.47
 570 -827070.9 -206164.9 -69823.7 -198409.8 -834826.1 -83.66

NODE Vxx Vyy

MAX Cent -169098.1 49108.0
 560 -146515.4 47553.7
 46 -146515.4 50662.4
 54 -191680.8 50662.4
 570 -191680.8 47553.7
 MIN Cent -460667.3 7749.4
 560 -473815.6 11148.2
 46 -473815.6 4350.6
 54 -471868.2 4350.6
 570 -471868.2 11148.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1801 3 3 env SL~1 MAX Cent 3984048.4 6214639.4 17274.7 6387998.2 3810689.7 -74.97
 46 4657704.3 6105513.9 17274.7 6351549.2 4411668.9 -69.14
 47 4657704.3 6323765.0 17274.7 6544758.1 4436844.1 -71.11
 55 3310392.6 6323765.0 17274.7 6456239.9 3177917.7 -78.40

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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54 3310392.6 6105513.9 17274.7 6247408.1 3168498.3 -77.60
MIN Cent -1132912.8 -1360934.6 -650600.9 -1132258.4 -1361589.0 3.06
46 -1163869.4 -1334618.2 -650600.9 -1162997.6 -1335490.1 4.08
47 -1163869.4 -1387251.1 -650600.9 -1163201.6 -1387918.9 3.13
55 -1101956.1 -1387251.1 -650600.9 -1101432.6 -1387774.6 2.45
54 -1101956.1 -1334618.2 -650600.9 -1101314.8 -1335259.6 3.00

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 213715.0 21025.7 -41754.7 223165.3 11575.3 -12.20
46 34853.5 37168.9 -38310.7 103384.8 -23861.8 -61.90
47 400121.5 143746.9 -38423.2 404852.1 53444.4 -6.64
55 407029.3 62321.5 -39352.5 411891.2 57459.6 -6.73
54 12855.5 -37247.8 -39240.0 35671.9 -60064.1 -29.22
MIN Cent -611824.3 -137732.7 -109722.9 -124558.3 -624998.8 -80.66
46 -692039.1 -152799.1 -124824.9 -139811.9 -705026.3 -81.28
47 -539962.1 -134802.4 -141525.5 -118053.2 -556711.2 -78.73
55 -505803.3 -96150.1 -94256.1 -84735.5 -517217.8 -80.65
54 -709492.7 -167179.4 -77555.5 -158301.9 -718370.2 -82.77

```

NODE Vxx Vyy

```

MAX Cent -267175.6 49750.0
46 -234758.3 50662.4
47 -234758.3 48837.6
55 -299592.8 48837.6
54 -299592.8 50662.4
MIN Cent -576470.1 -4181.2
46 -601269.9 4350.6
47 -601269.9 -12713.0
55 -591742.8 -12713.0
54 -591742.8 4350.6

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1802 3 3 env SL~1 MAX Cent 3975814.4 7016280.4 17251.8 7120707.6 3871792.2 -79.69
47 4793959.5 6322118.2 17251.8 6512421.8 4603716.9 -71.59
5048 4793959.5 7712818.8 17251.8 7821515.9 4685751.7 -79.32
5056 3157669.3 7712818.8 17251.8 7783961.5 3086909.0 -82.96
55 3157669.3 6322118.2 17251.8 6422257.4 3057530.2 -80.07
MIN Cent -1084341.8 -1470303.9 -576453.0 -1083990.5 -1470417.9 -1.73
47 -1117031.5 -1377536.9 -576453.0 -1116512.8 -1378055.6 -2.55
5048 -1117031.5 -1567099.9 -576453.0 -1116726.9 -1567200.5 -1.50
5056 -1051652.1 -1567099.9 -576453.0 -1051386.5 -1567186.0 -1.31
55 -1051652.1 -1377536.9 -576453.0 -1051237.1 -1377951.8 -2.04

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 628959.4 157449.6 -41095.7 632659.9 101361.3 -4.79
  47 401135.6 143372.3 -36016.6 438484.9 51282.1 -37.01
  5048 835806.2 353575.4 -34515.4 898957.3 240119.7 -24.52
  5056 885119.6 216929.7 -30006.9 886839.6 215209.7 -2.90
  55 393776.2 59670.9 -32970.4 397353.0 56094.1 -5.88
MIN Cent -401530.9 -62693.4 -149407.8 -45874.2 -418350.0 -77.73
  47 -538912.5 -134592.5 -224737.1 -97536.4 -575968.6 -73.84
  5048 -306079.5 -17547.3 -250945.0 28444.6 -352071.4 -69.66
  5056 -238103.9 961.1 -76149.4 4670.0 -241812.7 -82.95
  55 -523027.6 -99595.0 -49859.6 -96904.7 -525717.9 -85.46

```

NODE Vxx Vyy

```

MAX Cent -374908.0 50087.8
  47 -331120.5 48837.6
  5048 -331120.5 53005.6
  5056 -418695.4 53005.6
  55 -418695.4 48837.6
MIN Cent -702045.9 -25739.8
  47 -747339.4 -12713.0
  5048 -747339.4 -47525.4
  5056 -727135.2 -47525.4
  55 -727135.2 -12713.0

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1803 3 3 env SL~1 MAX Cent 3362133.9 5775490.5 33871.4 5880034.2 3258198.3 -78.49
  5049 3473528.1 5757402.8 33871.4 5867320.9 3364197.6 -77.92
  50 3473528.1 5793578.1 33871.4 5901933.5 3365764.6 -78.09
  58 3250739.6 5793578.1 33871.4 5893230.4 3151710.0 -79.02
  5057 3250739.6 5757402.8 33871.4 5858384.4 3150379.2 -78.88
MIN Cent -1711683.0 -1439855.7 -513632.9 -1436419.0 -1715119.7 83.62
  5049 -1725531.8 -1439253.6 -513632.9 -1435986.4 -1728799.0 83.94
  50 -1725531.8 -1440457.9 -513632.9 -1437177.2 -1728812.5 83.91
  58 -1697834.2 -1440457.9 -513632.9 -1436833.4 -1701458.7 83.28
  5057 -1697834.2 -1439253.6 -513632.9 -1435645.5 -1701442.2 83.31

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 1439442.7 280307.7 13337.0 1439449.0 280301.4 -0.13
  5049 1703932.2 326094.4 8581.9 1703933.9 326092.7 -0.06
  50 1238070.6 235504.4 13218.0 1238197.0 235378.0 0.64
  58 1275839.7 255173.9 12275.3 1275944.4 255069.2 0.58
  5057 1683502.1 340545.1 7639.1 1683506.0 340503.9 -0.10
MIN Cent 1054951.6 201759.5 -12276.6 1055160.3 201612.4 0.90
  5049 1213056.8 208403.6 -9745.1 1213130.1 208330.3 0.49
  50 796904.0 131998.7 -6991.4 796959.1 131943.6 -0.52
  58 852057.7 177317.5 -7252.1 852125.8 177258.6 -0.58
  5057 1291170.8 250814.2 -10005.8 1291228.3 250732.5 0.43

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	771798.6	-4006.5
5049	797519.4	1594.8
50	797519.4	-3498.6
58	752434.4	-3498.6
5057	752434.4	1594.8
MIN Cent	515475.8	-10802.3
5049	505366.6	-15185.7
50	505366.6	-10176.6
58	525584.9	-10176.6
5057	525584.9	-15185.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1804	3	3	env SL~1	MAX Cent	3462973.0	5744992.8	38429.3	5851745.5	3356669.9	-78.08
				50	3546272.3	5813761.6	38429.3	5921113.7	3439344.4	-78.01
				51	3546272.3	5676224.0	38429.3	5789841.1	3433088.6	-77.33
				59	3379673.7	5676224.0	38429.3	5782383.7	3273988.3	-78.14
				58	3379673.7	5813761.6	38429.3	5914402.3	3279492.5	-78.74
				MIN Cent	-1688921.7	-1414564.9	-505937.3	-1410045.8	-1693440.8	82.75
				50	-1694287.9	-1435905.6	-505937.3	-1431116.8	-1699076.7	82.32
				51	-1694287.9	-1393224.2	-505937.3	-1389094.8	-1698417.4	83.37
				59	-1683555.5	-1393224.2	-505937.3	-1388946.4	-1687833.3	83.13
				58	-1683555.5	-1435905.6	-505937.3	-1430917.1	-1688543.9	82.00

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	1096592.4	211999.3	20111.6	1096864.6	211727.1	1.00
50	1242284.0	236347.1	23162.4	1242612.2	236018.9	1.03
51	924272.5	166722.5	26504.4	924793.8	166201.2	1.50
59	943931.4	189745.1	18905.2	944194.8	189481.7	1.07
58	1275881.7	255182.3	15563.1	1276032.1	255031.9	0.70
MIN Cent	620345.2	111458.8	-4367.4	620374.0	111430.0	-0.43
50	805822.9	133782.5	1321.3	805830.5	133774.9	0.19
51	384428.2	40306.0	3834.5	384493.7	40240.5	0.79
59	436409.2	93185.7	-8385.9	436581.8	93013.1	-1.28
58	853425.6	177602.3	-11402.1	853595.2	177453.6	-0.91

NODE	Vxx	Vyy

MAX Cent	682703.7	-4505.7
50	695046.1	-3498.6
51	695046.1	-5512.8
59	670361.3	-5512.8
58	670361.3	-3498.6
MIN Cent	492473.1	-11489.3

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

50 480791.6 -10176.6
51 480791.6 -12802.0
59 504154.5 -12802.0
58 504154.5 -10176.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1805	3	3	env SL~1	MAX Cent	3538754.2	5650228.8	40083.9	5753297.8	3435993.4	-77.84
				51	3611666.0	5691398.8	40083.9	5795875.7	3507474.8	-77.68
				561	3611666.0	5609058.7	40083.9	5717418.1	3503598.5	-77.24
				571	3465842.5	5609058.7	40083.9	5710755.6	3364474.9	-78.00
				59	3465842.5	5691398.8	40083.9	5789650.0	3367911.7	-78.39
				MIN Cent	-1659165.7	-1373921.4	-478929.1	-1369085.5	-1664001.6	82.64
				51	-1659264.0	-1387273.0	-478929.1	-1382209.8	-1664327.2	82.30
				561	-1659264.0	-1360569.7	-478929.1	-1355944.9	-1663888.8	82.96
				571	-1659067.4	-1360569.7	-478929.1	-1355941.9	-1663695.2	82.96
				59	-1659067.4	-1387273.0	-478929.1	-1382206.3	-1664134.2	82.30

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	783453.7	146544.9	25544.2	783939.2	146059.4	1.58
51	930057.4	167879.5	29407.5	930644.6	167292.3	1.59
561	629832.5	103861.6	31053.0	630699.6	102994.6	2.32
571	629822.9	124659.3	22039.0	630225.0	124257.2	1.62
59	944101.9	189779.2	20393.5	944363.5	189517.7	1.07
MIN Cent	234592.1	28451.2	-376.7	234614.1	28429.2	0.59
51	394792.9	42378.9	5136.3	395007.7	42164.1	1.41
561	29886.0	-42241.5	5562.9	31537.8	-43893.3	8.51
571	73146.3	17871.0	-3780.6	73322.9	17695.6	-3.23
59	438384.7	93580.8	-6246.2	438474.8	93490.7	-0.93

NODE	Vxx	Vyy
------	-----	-----

MAX Cent	595617.8	-5759.5
51	601018.0	-5512.8
561	601018.0	-6006.3
571	590217.5	-6006.3
59	590217.5	-5512.8
MIN Cent	465378.5	-13868.3
51	454442.1	-12802.0
561	454442.1	-14958.4
571	476314.8	-14958.4
59	476314.8	-12802.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1806	3	3	env SL~1	MAX Cent	3608196.0	5588842.3	37983.1	5681114.8	3516346.2	-78.10

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

561 3680440.4 5622959.7 37983.1 5716843.7 3586830.7 -77.90
562 3680440.4 5554724.9 37983.1 5651702.1 3583751.6 -77.51
572 3536463.8 5554724.9 37983.1 5645438.0 3446150.8 -78.30
571 3536463.8 5622959.7 37983.1 5710945.9 3448865.9 -78.64
MIN Cent -1627851.5 -1343778.8 -438654.7 -1339376.0 -1632229.6 82.96
561 -1626029.2 -1354301.9 -438654.7 -1349694.6 -1630501.5 82.63
562 -1626029.2 -1333255.6 -438654.7 -1328970.4 -1630195.1 83.14
572 -1630314.2 -1333255.6 -438654.7 -1329040.2 -1634529.5 83.25
571 -1630314.2 -1354301.9 -438654.7 -1349775.0 -1634841.1 82.76

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 489666.7 84636.8 27136.4 490333.6 83969.9 2.32
561 635770.6 105049.2 31767.7 636592.6 104227.2 2.25
562 355069.2 44290.7 31746.5 356316.1 43043.8 3.62
572 337600.6 64467.2 22870.8 338168.2 63899.7 2.61
571 630226.4 124740.0 22892.0 630594.4 124372.1 1.54
MIN Cent -104853.9 -46457.9 548.2 -45822.8 -105489.0 84.08
561 39986.7 -40196.7 5894.7 42181.1 -42267.7 9.31
562 -283494.6 -114107.2 5969.9 -112842.6 -284759.2 85.08
572 -252155.3 -50334.4 -3219.7 -50334.1 -252155.6 89.93
571 75690.8 18377.7 -3295.0 75701.4 18366.0 -0.78

```

```

NODE   Vxx   Vyy
-----
MAX Cent 509958.0 -6420.7
561 511701.1 -6006.3
562 511701.1 -6835.2
572 508214.8 -6835.2
571 508214.8 -6006.3
MIN Cent 407378.5 -15782.0
561 395020.4 -14958.4
562 395020.4 -16605.6
572 419736.7 -16605.6
571 419736.7 -14958.4

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1807 3 3 env SL~1 MAX Cent 3670453.2 5542518.6 34053.8 5621490.1 3591713.4 -78.64
562 3742512.0 5566925.0 34053.8 5647762.9 3661872.7 -78.38
563 3742512.0 5518112.3 34053.8 5600977.8 3659853.2 -78.10
573 3598394.3 5518112.3 34053.8 5595298.4 3521469.9 -78.89
572 3598394.3 5566925.0 34053.8 5642339.6 3523231.4 -79.14
MIN Cent -1596135.5 -1319106.9 -394047.5 -1315449.9 -1599698.9 83.47
562 -1592396.4 -1326659.2 -394047.5 -1322842.7 -1596104.6 83.19
563 -1592396.4 -1311554.7 -394047.5 -1307939.4 -1595914.2 83.55
573 -1599874.6 -1311554.7 -394047.5 -1308044.4 -1603303.9 83.73
572 -1599874.6 -1326659.2 -394047.5 -1322959.4 -1603484.7 83.40

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	217625.3	27126.9	25513.9	218470.1	26282.0	3.80
562	360800.4	45436.9	30450.3	361779.0	44458.3	3.18
563	101846.9	-10810.8	28936.3	103864.5	-12828.4	7.56
573	69785.3	9320.6	20772.7	70909.3	8196.5	7.69
572	338068.5	64560.8	22286.7	338486.8	64142.5	2.24
MIN Cent	-397267.6	-111034.3	484.3	-110772.9	-397528.9	88.27
562	-274512.1	-112310.7	5335.8	-110881.9	-275940.9	84.66
563	-541818.0	-173373.0	4963.0	-172681.2	-542509.8	87.52
573	-523487.9	-108699.6	-3221.8	-108682.8	-523504.6	89.64
572	-249252.2	-49753.8	-2848.9	-49734.8	-249271.2	89.44

NODE	Vxx	Vyy

MAX Cent	425720.7	-7250.1
562	425780.9	-6835.2
563	425780.9	-7665.0
573	425660.5	-7665.0
572	425660.5	-6835.2
MIN Cent	345128.6	-17167.2
562	334235.2	-16605.6
563	334235.2	-18058.4
573	356021.9	-18058.4
572	356021.9	-16605.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1808	3	3	env SL~1	MAX Cent	3723938.1	5511909.4	28993.1	5576804.7	3659120.6	-79.42
				563	3794854.3	5528548.1	28993.1	5595306.4	3728144.3	-79.12
				564	3794854.3	5495270.8	28993.1	5563234.3	3726943.4	-78.93
				574	3653021.9	5495270.8	28993.1	5558400.9	3589995.8	-79.70
				573	3653021.9	5528548.1	28993.1	5590631.9	3591036.6	-79.87
				MIN Cent	-1562954.9	-1299307.9	-348449.6	-1296518.8	-1565666.6	84.13
				563	-1557572.5	-1304662.3	-348449.6	-1301751.2	-1560395.3	83.88
				564	-1557572.5	-1293953.5	-348449.6	-1291159.4	-1560285.5	84.12
				574	-1568337.2	-1293953.5	-348449.6	-1291276.8	-1570946.3	84.36
				573	-1568337.2	-1304662.3	-348449.6	-1301878.2	-1571047.8	84.14

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-30494.5	-25336.4	21084.3	-20672.6	-35158.3	55.43
563	107098.5	-9760.5	26023.5	108267.6	-10929.6	5.68
564	-128056.2	-60981.1	23273.2	-59946.4	-129090.9	82.97
574	-171197.4	-40003.0	16269.0	-39961.6	-171238.8	88.98
573	70177.3	9399.0	19019.3	70704.0	8872.4	5.30
MIN Cent	-636048.3	-164264.0	-568.5	-164083.6	-636228.7	88.88
563	-534312.5	-171871.9	3574.7	-171226.5	-534958.0	87.59

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

564 -747742.7 -220623.0 2690.7 -220191.2 -748174.5 88.36
 574 -741667.3 -156465.0 -3880.1 -156444.5 -741687.8 89.66
 573 -520470.5 -108096.1 -3091.0 -108063.3 -520503.3 89.49

NODE Vxx Vyy

MAX Cent 360811.2 -8107.2

563 355606.4 -7665.0
 564 355606.4 -8549.4
 574 366016.0 -8549.4
 573 366016.0 -7665.0

MIN Cent 283113.7 -18704.8

563 274341.7 -18058.4
 564 274341.7 -19351.3
 574 291885.7 -19351.3
 573 291885.7 -18058.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1809 3 3 env SL~1 MAX Cent 3766936.7 5495362.7 22929.6 5546168.5 3716107.0 -80.43

564 3835851.4 5503603.9 22929.6 5556128.8 3783276.0 -80.11
 52 3835851.4 5487121.5 22929.6 5540136.5 3782789.5 -80.02
 60 3698022.0 5487121.5 22929.6 5536314.3 3648828.7 -80.73
 574 3698022.0 5503603.9 22929.6 5552372.7 3649248.8 -80.81

MIN Cent -1528055.9 -1283512.3 -302465.2 -1281649.6 -1529857.9 84.99

564 -1521335.1 -1286715.0 -302465.2 -1284770.4 -1523211.2 84.77
 52 -1521335.1 -1280309.5 -302465.2 -1278416.7 -1523163.5 84.91
 60 -1534776.6 -1280309.5 -302465.2 -1278522.2 -1536510.1 85.19
 574 -1534776.6 -1286715.0 -302465.2 -1284881.5 -1536553.0 85.07

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -252537.6 -72147.5 14438.2 -72143.3 -252541.8 -89.72

564 -123470.6 -60064.0 19110.3 -59824.5 -123710.2 86.49
 52 -332686.8 -105676.1 15421.8 -105676.0 -332686.9 -89.96
 60 -382988.6 -82885.3 9857.5 -82800.6 -383073.3 -89.04
 574 -171004.5 -39964.4 13546.0 -39956.9 -171012.0 -89.57

MIN Cent -822801.5 -206261.2 -2778.8 -206156.8 -822905.8 89.25

564 -741793.7 -219433.1 544.5 -219091.6 -742135.2 88.54
 52 -902982.8 -256210.3 -763.7 -255975.0 -903218.0 88.91
 60 -907681.2 -193520.1 -5475.3 -193509.4 -907691.9 89.78
 574 -738748.2 -155881.2 -4167.1 -155856.6 -738772.8 89.63

NODE Vxx Vyy

MAX Cent 318982.2 -9017.9

564 316368.4 -8549.4
 52 316368.4 -9486.4

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

60 321596.0 -9486.4
574 321596.0 -8549.4
MIN Cent 220885.9 -19821.6
564 214626.1 -19351.3
52 214626.1 -20292.0
60 227145.7 -20292.0
574 227145.7 -19351.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1810	3	3	env SL~1	MAX Cent 3798018.9	5493578.0	15867.4	5530835.0	3760682.3	-81.68	
				52 3864686.2	5493066.1	15867.4	5531774.0	3825875.4	-81.36	
				565 3864686.2	5494102.7	15867.4	5532816.6	3825903.3	-81.35	
				575 3731351.6	5494102.7	15867.4	5530027.3	3695383.4	-81.97	
				60 3731351.6	5493066.1	15867.4	5528995.2	3695359.4	-81.97	
				MIN Cent -1491212.9	-1271593.0	-255953.6	-1270636.5	-1492129.9	86.19	
				52 -1483608.8	-1272680.2	-255953.6	-1271682.1	-1484562.9	86.02	
				565 -1483608.8	-1270505.8	-255953.6	-1269518.1	-1484553.9	86.06	
				575 -1498817.0	-1270505.8	-255953.6	-1269587.6	-1499699.7	86.34	
				60 -1498817.0	-1272680.2	-255953.6	-1271753.0	-1499707.6	86.30	

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-446242.9	-112715.2	6210.7	-112438.4	-446519.8	-88.35
52	-328922.7	-104923.3	10370.7	-104795.9	-329050.2	-88.63
565	-509858.5	-144324.6	8582.2	-144062.4	-510120.7	-88.47
575	-563100.3	-118707.4	2137.7	-118313.7	-563493.9	-88.30
60	-383090.1	-82905.6	6444.8	-82648.9	-383346.9	-88.33
MIN Cent	-958531.0	-237098.4	-9613.5	-237059.5	-958569.8	89.58
52	-898613.2	-255336.4	-5344.6	-255189.4	-898760.2	89.13
565	-1008420.7	-280319.3	-9794.0	-280230.8	-1008509.1	89.37
575	-1022058.2	-219747.6	-13231.9	-219746.8	-1022058.9	89.95
60	-905031.8	-192990.2	-8782.5	-192981.8	-905040.2	89.80

NODE	Vxx	Vyy
MAX Cent	273455.7	-9979.4
52	273618.3	-9486.4
565	273618.3	-10472.4
575	273293.0	-10472.4
60	273293.0	-9486.4
MIN Cent	157856.0	-20634.0
52	154324.0	-20292.0
565	154324.0	-20976.1
575	161388.1	-20976.1
60	161388.1	-20292.0

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1811	3	3	env SL~1	MAX Cent 3815854.8	5507109.2	7825.8	5532075.6	3790842.7	-83.13	
				565 3880146.1	5497407.1	7825.8	5523470.5	3854024.1	-82.83	
				566 3880146.1	5516816.6	7825.8	5542586.3	3854325.5	-82.91	
				576 3751563.4	5516816.6	7825.8	5540769.1	3727572.1	-83.41	
				575 3751563.4	5497407.1	7825.8	5521612.9	3727311.5	-83.34	
				MIN Cent -1452222.5	-1263493.8	-208640.2	-1263265.8	-1452436.9	87.98	
				565 -1444269.6	-1262445.4	-208640.2	-1262208.1	-1444492.1	87.89	
				566 -1444269.6	-1264542.2	-208640.2	-1264302.0	-1444494.8	87.87	
				576 -1460175.5	-1264542.2	-208640.2	-1264322.8	-1460382.4	88.05	
				575 -1460175.5	-1262445.4	-208640.2	-1262228.5	-1460380.1	88.07	
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent -609116.2	-146418.4	1785.9	-145651.7	-609882.9	-87.67	
				565 -507072.8	-143767.5	5178.0	-143117.3	-507723.0	-87.58	
				566 -657048.9	-176268.0	2871.3	-175444.5	-657872.4	-87.63	
				576 -708781.4	-146838.4	-1842.1	-146007.4	-709612.4	-87.80	
				575 -563561.8	-118799.7	461.2	-118143.6	-564217.8	-87.80	
				MIN Cent -1043598.4	-256743.4	-18850.6	-256741.1	-1043600.7	89.90	
				565 -1005658.2	-279766.8	-15383.2	-279736.5	-1005688.6	89.63	
				566 -1064145.4	-292930.7	-19914.9	-292922.8	-1064153.3	89.82	
				576 -1084770.6	-234976.2	-21626.2	-234970.1	-1084776.6	-89.85	
				575 -1019819.6	-219299.8	-17094.4	-219299.8	-1019819.6	-90.00	
				NODE	Vxx	Vyy				
				MAX Cent 223795.3	-10979.2					
				565 226850.1	-10472.4					
				566 226850.1	-11486.1					
				576 220740.5	-11486.1					
				575 220740.5	-10472.4					
				MIN Cent 93024.2	-21215.3					
				565 88311.4	-20976.1					
				566 88311.4	-21454.5					
				576 93409.0	-21454.5					
				575 93409.0	-20976.1					

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1812	3	3	env SL~1	MAX Cent 3820208.9	5536486.4	-1098.7	5551048.2	3805647.0	-84.76	
				566 3881346.1	5517503.7	-1098.7	5532765.8	3866083.9	-84.51	
				53 3881346.1	5555469.0	-1098.7	5570391.2	3866423.9	-84.63	
				61 3759071.7	5555469.0	-1098.7	5569391.5	3745149.2	-84.99	
				576 3759071.7	5517503.7	-1098.7	5531722.1	3744853.3	-84.88	
				MIN Cent -1410960.3	-1259373.1	-160110.1	-1259333.5	-1410999.9	-89.07	
				566 -1403133.9	-1256156.0	-160110.1	-1256115.2	-1403174.8	-89.05	

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

53 -1403133.9 -1262590.2 -160110.1 -1262547.5 -1403176.7 -89.00
 61 -1418786.7 -1262590.2 -160110.1 -1262551.7 -1418825.2 -89.10
 576 -1418786.7 -1256156.0 -160110.1 -1256119.1 -1418823.7 -89.14

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-738314.0	-172572.5	-3237.3	-171198.8	-739687.8	-87.18
566	-655424.7	-175943.2	-1129.9	-174584.5	-656783.4	-86.96
53	-768766.6	-200717.6	-3814.1	-199161.5	-769137.2	-87.01
61	-792276.0	-150726.2	-5743.2	-150585.6	-792416.6	-89.15
576	-709632.8	-147008.7	-3059.9	-145874.8	-710766.8	-87.43
MIN Cent	-1077693.2	-265023.4	-27912.2	-265008.3	-1077708.3	-89.75
566	-1063055.5	-292712.7	-25560.0	-292710.0	-1063058.3	-89.89
53	-1069474.3	-293805.2	-29837.7	-293784.0	-1069495.5	-89.70
61	-1095176.5	-238940.4	-29561.8	-238898.6	-1095218.3	-89.60
576	-1083066.3	-234635.3	-25284.1	-234621.8	-1083079.8	-89.77

NODE	Vxx	Vyy

MAX Cent	169386.3	-11983.2
566	175366.4	-11486.1
53	175366.4	-12150.5
61	163406.2	-12150.5
576	163406.2	-11486.1
MIN Cent	9890.2	-21594.3
566	9803.2	-21454.5
53	9803.2	-21734.1
61	7605.7	-21734.1
576	7605.7	-21454.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1813	3	3	env SL~1	MAX Cent	3809528.9	5581425.3	11436.2	5588019.4	3802934.8	-86.52
				53	3864494.3	5553333.0	11436.2	5560248.9	3857578.4	-86.35
				567	3864494.3	5609517.6	11436.2	5616212.5	3857799.4	-86.46
				577	3754563.5	5609517.6	11436.2	5615818.5	3748262.6	-86.67
				61	3754563.5	5553333.0	11436.2	5559829.3	3748067.2	-86.57
				MIN Cent	-1367389.9	-1259174.4	-109559.1	-1257817.4	-1368746.9	-83.65
				53	-1359946.0	-1253876.1	-109559.1	-1252492.3	-1361329.8	-83.53
				567	-1359946.0	-1264472.8	-109559.1	-1262940.0	-1361478.8	-82.84
				577	-1374833.8	-1264472.8	-109559.1	-1263141.5	-1376165.1	-83.77
				61	-1374833.8	-1253876.1	-109559.1	-1252659.1	-1376050.8	-84.30

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-771402.9	-181602.6	-8841.2	-181348.5	-771657.0	-88.81
53	-769416.8	-200671.0	-8271.8	-198508.2	-770131.4	-86.48
567	-743813.5	-200423.9	-11166.8	-199344.0	-744893.4	-87.45

AUTOSTRADA VALDASTICO A31 NORD
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577 -748953.0 -140180.1 -9967.7 -139989.0 -749144.1 -88.99
 61 -793446.8 -150960.4 -7059.0 -150813.3 -793593.9 -89.13
 MIN Cent -1059824.2 -261600.9 -36094.3 -261500.7 -1059924.4 -89.36
 53 -1070183.2 -293946.9 -35189.8 -293855.0 -1070275.1 -89.38
 567 -1022991.2 -282473.1 -38861.7 -282301.5 -1023162.8 -89.13
 577 -1051997.1 -231253.6 -36341.5 -231130.9 -1052119.8 -89.30
 61 -1094125.5 -238730.2 -32669.5 -238669.4 -1094186.2 -89.52

NODE Vxx Vyy

MAX Cent 109458.3 -12179.7
 53 118278.4 -12150.5
 567 118278.4 -12208.9
 577 100638.2 -12208.9
 61 100638.2 -12150.5
 MIN Cent -77636.8 -21754.4
 53 -74476.0 -21734.1
 567 -74476.0 -21774.6
 577 -80797.5 -21774.6
 61 -80797.5 -21734.1

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1814 3 3 env SL~1 MAX Cent 3782962.5 5641170.0 59119.0 5642751.6 3781381.0 -88.33
 567 3825411.9 5604204.3 59119.0 5605856.3 3823759.9 -88.26
 568 3825411.9 5678135.8 59119.0 5679722.0 3823825.7 -88.32
 578 3740513.1 5678135.8 59119.0 5679652.6 3738996.3 -88.40
 577 3740513.1 5604204.3 59119.0 5605781.2 3738936.2 -88.33
 MIN Cent -1321553.6 -1262604.7 -55423.7 -1254736.5 -1329421.8 -71.06
 567 -1314364.9 -1255305.5 -55423.7 -1247449.0 -1322221.5 -71.09
 568 -1314364.9 -1269903.8 -55423.7 -1260198.1 -1324070.7 -67.06
 578 -1328742.2 -1269903.8 -55423.7 -1262024.0 -1336622.0 -71.03
 577 -1328742.2 -1255305.5 -55423.7 -1248734.5 -1335313.2 -74.01

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -702361.1 -165562.1 -13881.6 -165202.9 -702720.3 -88.52
 567 -745881.4 -200837.5 -15961.0 -199256.4 -747462.5 -86.92
 568 -655843.4 -184381.4 -17236.4 -182180.5 -656481.8 -86.17
 578 -646078.1 -117265.6 -11138.1 -117027.1 -646316.7 -88.78
 577 -750428.8 -140475.3 -10572.2 -140288.3 -750615.8 -89.00
 MIN Cent -988718.6 -246110.5 -42660.3 -245817.9 -989011.2 -88.86
 567 -1025713.8 -283017.6 -43549.7 -282670.2 -1026061.2 -88.76
 568 -924667.2 -258671.9 -46254.4 -258125.8 -925213.2 -88.36
 578 -956323.4 -212105.0 -41249.1 -211835.7 -956592.8 -88.91
 577 -1051724.2 -231199.0 -38544.3 -231047.1 -1051876.1 -89.22

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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MAX Cent 43108.0 -12177.4
567 54496.3 -12208.9
568 54496.3 -12145.9
578 31719.7 -12145.9
577 31719.7 -12208.9
MIN Cent -168820.0 -21627.6
567 -165019.6 -21774.6
568 -165019.6 -21480.5
578 -172620.5 -21480.5
577 -172620.5 -21774.6

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
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1815 3 3 env SL~1 MAX Cent 3739736.5 5714609.2 109326.5 5714627.7 3739718.1 89.82
568 3758185.3 5669490.6 109326.5 5669509.6 3758166.2 89.82
569 3758185.3 5759727.9 109326.5 5759746.1 3758167.1 89.83
579 3721287.8 5759727.9 109326.5 5759745.8 3721269.9 89.83
578 3721287.8 5669490.6 109326.5 5669509.3 3721269.1 89.82
MIN Cent -1273577.1 -1269740.3 -35044.5 -1236782.3 -1306535.1 -46.58
568 -1266001.4 -1260308.5 -35044.5 -1228215.2 -1298094.7 -47.34
569 -1266001.4 -1279172.1 -35044.5 -1237145.9 -1308027.6 -39.65
579 -1281152.8 -1279172.1 -35044.5 -1245324.7 -1315000.2 -45.81
578 -1281152.8 -1260308.5 -35044.5 -1234380.9 -1307080.4 -53.33

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
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MAX Cent -572315.5 -136477.4 -14295.9 -136004.3 -572788.7 -88.11
568 -660162.6 -185113.6 -18581.3 -182311.7 -660901.5 -85.69
569 -499486.5 -154579.7 -18518.6 -153217.6 -500486.1 -84.34
579 -482028.6 -82235.9 -10438.3 -81956.4 -482308.0 -88.49
578 -647584.5 -117566.9 -10462.4 -117354.9 -647796.5 -88.85
MIN Cent -888037.2 -218415.9 -46855.8 -217760.1 -891201.9 -88.18
568 -929737.1 -259685.8 -49871.8 -258805.7 -930617.3 -87.93
569 -877687.0 -221516.5 -51251.5 -220175.7 -881647.4 -87.18
579 -877476.8 -180510.4 -43585.0 -179876.4 -880148.1 -88.18
578 -957005.3 -212241.4 -42205.3 -211937.6 -957309.1 -88.84

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NODE Vxx Vyy
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MAX Cent -30676.6 -12009.9
568 -17296.2 -12145.9
569 -17296.2 -11873.9
579 -44056.9 -11873.9
578 -44056.9 -12145.9
MIN Cent -264599.8 -21079.2
568 -260612.3 -21480.5
569 -260612.3 -20687.3
579 -268587.3 -20687.3

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

578 -268587.3 -21480.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1816	3	3	env SL~1	MAX Cent	3679056.4	5802432.9	163803.0	5805211.8	3676277.5	87.93
				569	3654569.2	5747591.9	163803.0	5750410.9	3651750.1	87.90
				570	3654569.2	5857273.9	163803.0	5859953.0	3651890.2	88.00
				580	3703543.6	5857273.9	163803.0	5860013.8	3700803.7	87.96
				579	3703543.6	5747591.9	163803.0	5750478.3	3700657.1	87.85
				MIN Cent	-1223515.0	-1280666.3	-48615.3	-1196020.2	-1308161.0	-29.68
				569	-1214242.9	-1269159.7	-48615.3	-1186192.0	-1297210.7	-30.18
				570	-1214242.9	-1292172.8	-48615.3	-1191195.1	-1315220.7	-25.54
				580	-1232787.0	-1292172.8	-48615.3	-1205831.9	-1319127.9	-29.19
				579	-1232787.0	-1269159.7	-48615.3	-1199416.9	-1302529.8	-34.67

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-380955.2	-94282.3	-13283.2	-93655.8	-381581.7	-87.33
569	-505621.3	-155806.6	-19120.0	-153720.3	-506674.7	-83.96
570	-279976.8	-103782.1	-18337.7	-101872.1	-281950.9	-84.10
580	-254029.8	-34911.7	-8412.4	-34576.8	-254364.6	-87.76
579	-483235.3	-82477.2	-9164.8	-82259.4	-483453.2	-88.66
MIN Cent	-843664.9	-184674.6	-47938.6	-181205.5	-847133.9	-85.86
569	-883648.1	-223145.3	-53310.3	-221238.7	-887900.6	-86.66
570	-817503.9	-201007.1	-53038.4	-196477.4	-822033.6	-85.12
580	-794442.3	-148768.2	-42778.9	-145946.2	-797264.2	-86.23
579	-879065.3	-180840.2	-43050.7	-180180.9	-881667.1	-88.15

NODE	Vxx	Vyy
MAX Cent	-112999.5	-11538.3
569	-98703.8	-11873.9
570	-98703.8	-10826.9
580	-127295.2	-10826.9
579	-127295.2	-11873.9
MIN Cent	-365826.5	-19887.4
569	-362442.6	-20687.3
570	-362442.6	-19087.6
580	-369210.4	-19087.6
579	-369210.4	-20687.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1817	3	3	env SL~1	MAX Cent	3598067.2	5898467.1	223834.8	5909664.0	3586870.3	86.02
				570	3503924.7	5841076.1	223834.8	5852098.6	3492902.3	86.08
				54	3503924.7	5955858.1	223834.8	5966369.1	3493413.8	86.26
				62	3692209.6	5955858.1	223834.8	5967235.0	3680832.7	85.95

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

580 3692209.6 5841076.1 223834.8 5853054.1 3680231.6 85.74
 MIN Cent -1171497.6 -1297151.1 -63571.8 -1145433.3 -1323215.4 -22.51
 570 -1158991.4 -1281769.3 -63571.8 -1132499.6 -1308261.1 -22.84
 54 -1158991.4 -1312532.9 -63571.8 -1136524.2 -1335000.1 -19.66
 62 -1184003.8 -1312532.9 -63571.8 -1158355.3 -1338181.4 -22.19
 580 -1184003.8 -1281769.3 -63571.8 -1153237.7 -1312535.4 -26.07

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -115707.6 -37528.2 -10517.5 -36092.8 -117142.9 -82.35
 570 -288368.5 -105423.0 -18086.5 -103625.6 -290236.1 -84.37
 54 23782.9 -34498.6 -16500.9 28368.0 -39083.7 -15.11
 62 57681.9 27308.6 -4908.5 58455.5 26535.1 -8.96
 580 -254438.3 -34993.4 -6481.8 -34790.4 -254641.3 -88.26
 MIN Cent -742922.1 -159580.8 -45270.8 -156088.4 -746414.5 -85.59
 570 -826395.0 -202785.3 -52951.2 -198321.2 -830859.2 -85.18
 54 -698439.7 -169171.1 -50787.6 -164341.7 -703269.1 -84.57
 62 -651210.1 -117358.2 -38483.3 -114598.4 -653970.0 -85.90
 580 -795643.6 -149008.5 -40646.9 -146463.4 -798188.6 -86.42

NODE Vxx Vyy

MAX Cent -205018.1 -9488.0
 570 -191680.8 -10826.9
 54 -191680.8 -8149.2
 62 -218355.4 -8149.2
 580 -218355.4 -10826.9
 MIN Cent -473234.2 -17495.5
 570 -471868.2 -19087.6
 54 -471868.2 -15903.4
 62 -474600.2 -15903.4
 580 -474600.2 -19087.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1818 3 3 env SL~1 MAX Cent 3494737.7 6009241.6 302180.1 6043877.9 3460101.4 83.35
 54 3269313.0 5935192.2 302180.1 5967910.3 3236595.0 83.72
 55 3269313.0 6083290.9 302180.1 6114325.1 3238278.7 84.04
 63 3720162.4 6083290.9 302180.1 6120080.8 3683372.5 82.94
 62 3720162.4 5935192.2 302180.1 5974360.4 3680994.3 82.49
 MIN Cent -1116103.5 -1318071.6 -87356.3 -1084498.9 -1349676.2 -20.20
 54 -1093383.5 -1301454.1 -87356.3 -1062491.8 -1332345.8 -19.78
 55 -1093383.5 -1334689.1 -87356.3 -1065917.9 -1362154.7 -17.73
 63 -1138823.4 -1334689.1 -87356.3 -1106476.6 -1367036.0 -20.63
 62 -1138823.4 -1301454.1 -87356.3 -1101841.9 -1338435.6 -23.29

NODE Mxx Myy Mxy Mmax Mmin ANGLE

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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MAX Cent 230053.9 36695.8 -5754.1 230233.8 36515.9 -1.75
  54 12972.9 -36660.6 -14131.5 16973.3 -40660.9 -15.28
  55 406066.0 57505.0 -11827.7 406501.0 57070.0 -2.02
  63 442374.7 98406.0 -1250.6 442379.3 98401.4 -0.21
  62 58802.1 27532.6 -3576.2 59205.9 27128.9 -6.44
MIN Cent -579015.8 -122308.6 -38627.8 -119064.6 -582259.9 -85.20
  54 -710368.2 -171556.8 -45267.6 -167780.2 -714144.9 -85.23
  55 -511643.9 -125353.4 -44418.6 -121009.2 -515988.1 -83.98
  63 -442394.1 -74876.6 -33007.9 -71935.6 -445335.1 -84.91
  62 -651657.0 -117447.6 -37080.9 -114886.0 -654218.6 -86.05

```

NODE Vxx Vyy

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-----
MAX Cent -308498.4 -6698.9
  54 -299592.8 -8149.2
  55 -299592.8 -5248.7
  63 -317404.0 -5248.7
  62 -317404.0 -8149.2
MIN Cent -587899.2 -12832.5
  54 -591742.8 -15903.4
  55 -591742.8 -10576.7
  63 -584055.6 -10576.7
  62 -584055.6 -15903.4

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

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-----
1819 3 3 env SL~1 MAX Cent 3314228.0 5649289.6 465842.2 5737719.8 3225797.8 79.19
  55 2884624.1 6047188.9 465842.2 6113560.6 2818252.4 81.84
  5056 2884624.1 5251390.2 465842.2 5338717.7 2797296.6 79.32
  5064 3743831.9 5251390.2 465842.2 5382197.3 3613024.8 74.22
  63 3743831.9 6047188.9 465842.2 6136749.0 3654271.9 79.05
MIN Cent -1051065.8 -1284477.2 -109129.7 -1009962.5 -1325580.5 -21.15
  55 -1014674.3 -1321681.6 -109129.7 -981504.9 -1354851.1 -17.34
  5056 -1014674.3 -1247272.7 -109129.7 -973464.9 -1288482.2 -21.20
  5064 -1087457.4 -1247272.7 -109129.7 -1034441.3 -1300288.7 -26.52
  63 -1087457.4 -1321681.6 -109129.7 -1046459.6 -1362679.3 -21.10

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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-----
MAX Cent 653871.7 123847.6 -1080.6 653874.4 123844.9 -0.13
  55 392812.9 54854.4 -1639.5 392820.9 54846.5 -0.28
  5056 870914.3 145903.3 995.7 870915.7 145901.9 0.08
  5064 905661.6 195482.0 895.4 905662.6 195481.0 0.07
  63 446098.0 99150.6 -1654.3 446107.4 99141.1 -0.30
MIN Cent -345753.3 -73327.3 -38809.0 -69810.8 -349269.9 -83.56
  55 -528868.3 -128798.3 -28985.0 -126709.3 -530957.3 -85.88
  5056 -259795.3 -107496.0 -23297.6 -104111.1 -263180.1 -81.61
  5064 -153090.3 17634.7 -29587.4 20065.6 -155521.2 -83.24
  63 -441259.5 -74649.7 -32716.9 -72737.5 -443171.7 -85.88

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	-422569.0	-10549.4
55	-418695.4	-5248.7
5056	-418695.4	-11692.1
5064	-426442.5	-11692.1
63	-426442.5	-5248.7
MIN Cent	-711644.9	-21999.8
55	-727135.2	-10576.7
5056	-727135.2	-38376.1
5064	-696154.7	-38376.1
63	-696154.7	-10576.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1820	3	3	env SL~1	MAX Cent	3149899.2	5678062.3	131589.8	5959186.1	2868775.4	-72.45
				5057	3231424.7	5857984.7	131589.8	6130410.1	2958999.3	-72.96
				58	3231424.7	5498139.8	131589.8	5805010.3	2924554.3	-70.95
				66	3068373.6	5498139.8	131589.8	5788545.5	2778033.0	-71.89
				5065	3068373.6	5857984.7	131589.8	6117035.2	2809323.1	-73.75
				MIN Cent	-1691724.4	-1419350.2	-890736.4	-1367674.7	-1743399.9	68.23
				5057	-1693733.1	-1464815.2	-890736.4	-1406513.4	-1752034.9	65.75
				58	-1693733.1	-1373885.1	-890736.4	-1328088.1	-1739530.1	70.51
				66	-1689715.7	-1373885.1	-890736.4	-1327637.0	-1735963.8	70.33
				5065	-1689715.7	-1464815.2	-890736.4	-1405828.9	-1748702.0	65.50

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	1468148.2	290368.7	12387.8	1468241.3	290367.9	0.51
5057	1684153.5	339823.2	7197.1	1684153.6	339823.1	0.01
58	1275778.2	254866.2	11454.8	1275858.6	254785.8	0.51
66	1303736.6	253752.9	11342.9	1303815.5	253674.0	0.50
5065	1682075.9	342451.3	7085.2	1682076.5	342422.5	0.04
MIN Cent	1093438.3	213333.6	-18397.1	1093788.6	212983.3	-1.14
5057	1283865.4	240087.2	-14279.4	1283915.0	240037.6	0.40
58	850927.9	171278.3	-12806.5	851153.9	171067.3	-1.04
66	876161.5	162997.5	-13067.6	876386.6	162772.5	-1.02
5065	1324492.5	229305.1	-14540.5	1324671.8	229120.3	-0.73

NODE	Vxx	Vyy

MAX Cent	752631.0	11267.5
5057	752434.4	18380.2
58	752434.4	4157.9
66	759184.2	4157.9
5065	759184.2	18380.2
MIN Cent	541548.8	-2926.4

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5057 525584.9 -7552.4
58 525584.9 1285.5
66 557512.8 1285.5
5065 557512.8 -7552.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1821 3 3 env SL~1 MAX Cent 3241199.8 5455777.4 117879.0 5717283.9 2979693.3 -72.00
58 3321978.0 5516400.0 117879.0 5779844.7 3058533.3 -71.87
59 3321978.0 5395154.8 117879.0 5670826.9 3046305.9 -71.09
67 3160421.6 5395154.8 117879.0 5654752.3 2900827.7 -72.11
66 3160421.6 5516400.0 117879.0 5765004.8 2911816.7 -72.83
MIN Cent -1666057.1 -1352806.8 -806431.3 -1314562.3 -1704301.6 71.74
58 -1671203.9 -1368751.6 -806431.3 -1329420.4 -1710535.1 71.26
59 -1671203.9 -1336861.9 -806431.3 -1300590.3 -1707475.5 72.63
67 -1660910.3 -1336861.9 -806431.3 -1299651.1 -1698121.2 72.21
66 -1660910.3 -1368751.6 -806431.3 -1328331.9 -1701330.1 70.78

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 1118597.7 220472.1 17368.8 1118789.5 220280.4 0.84
58 1275820.2 254874.6 15508.4 1275957.5 254737.3 0.66
59 943439.3 187284.5 18047.2 943670.5 187053.2 1.00
67 953180.5 186333.7 19889.0 953474.8 186039.3 1.12
66 1301951.1 253395.8 17350.3 1302128.6 253218.3 0.75
MIN Cent 654803.8 126226.4 -13087.5 655099.3 125930.9 -1.35
58 852295.8 171563.1 -14655.3 852587.0 171296.5 -1.18
59 434997.8 86128.6 -12932.7 435430.4 85695.9 -2.02
67 461803.4 84988.8 -10065.2 462042.6 84749.6 -1.44
66 870118.2 161788.9 -11787.9 870297.8 161609.2 -0.91

NODE Vxx Vyy

MAX Cent 671372.1 3099.7
58 670361.3 4157.9
59 670361.3 2041.6
67 672383.0 2041.6
66 672383.0 4157.9
MIN Cent 517194.8 1109.5
58 504154.5 1285.5
59 504154.5 519.5
67 530235.2 519.5
66 530235.2 1285.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1822 3 3 env SL~1 MAX Cent 3344176.0 5352950.0 102964.1 5583637.9 3113488.1 -72.21

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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59 3406513.9 5415750.0 102964.1 5646394.8 3175869.1 -72.21
571 3406513.9 5290149.9 102964.1 5533084.2 3163579.5 -71.33
581 3281838.2 5290149.9 102964.1 5520881.1 3051107.0 -72.20
67 3281838.2 5415750.0 102964.1 5635266.7 3062321.5 -73.02
MIN Cent -1643610.0 -1315855.4 -720237.6 -1287103.0 -1672362.3 74.15
59 -1647454.2 -1332372.5 -720237.6 -1302644.8 -1677182.0 73.64
571 -1647454.2 -1299338.2 -720237.6 -1272034.4 -1674758.1 74.91
581 -1639765.7 -1299338.2 -720237.6 -1271503.7 -1667600.3 74.63
67 -1639765.7 -1332372.5 -720237.6 -1302022.8 -1670115.4 73.31

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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MAX Cent 786686.7 154883.1 21025.7 787024.4 154545.4 1.32
59 943609.8 187318.6 19429.4 943846.8 187081.6 1.01
571 630244.5 126767.7 20449.8 630602.0 126410.2 1.53
581 622397.5 119649.5 21901.5 622859.0 119187.9 1.73
67 950495.0 185796.6 20881.2 950797.4 185494.2 1.14
MIN Cent 265334.3 49293.6 -9382.1 265685.1 48942.8 -2.31
59 436973.2 86523.6 -10597.1 437253.6 86243.2 -1.62
571 72026.9 12294.3 -9012.5 73170.5 11150.8 -7.80
581 95421.4 14395.0 -7349.7 95979.1 13745.5 -4.73
67 455842.7 83796.7 -8934.4 456029.1 83610.3 -1.28

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NODE Vxx Vyy

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MAX Cent 588788.9 1699.9
59 590217.5 2041.6
571 590217.5 1700.9
581 587360.3 1700.9
67 587360.3 2041.6
MIN Cent 487076.5 992.5
59 476314.8 519.5
571 476314.8 533.1
581 497838.3 533.1
67 497838.3 519.5

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1823 3 3 env SL~1 MAX Cent 3443593.5 5256474.8 90157.2 5458046.0 3242091.1 -72.45
571 3470107.0 5310033.4 90157.2 5509170.2 3271213.4 -72.65
572 3470107.0 5202916.1 90157.2 5412015.7 3261255.4 -71.83
582 3417096.1 5202916.1 90157.2 5406976.5 3213035.7 -72.24
581 3417096.1 5310033.4 90157.2 5504555.0 3222574.6 -73.02
MIN Cent -1620483.6 -1280188.0 -638451.1 -1258463.2 -1642208.4 76.24
571 -1617596.0 -1294712.9 -638451.1 -1271958.4 -1640350.6 75.61
572 -1617596.0 -1265663.2 -638451.1 -1244578.8 -1638680.4 76.63
582 -1623371.1 -1265663.2 -638451.1 -1244883.5 -1644150.8 76.81
581 -1623371.1 -1294712.9 -638451.1 -1272309.9 -1645774.2 75.82

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	476032.6	93616.5	21412.4	476487.7	93161.4	1.97
571	630648.1	126848.4	20807.8	630964.6	126531.9	1.44
572	338643.2	69679.9	20462.5	339130.7	69192.4	2.44
582	315653.0	58930.7	21799.1	316370.0	58213.7	3.02
581	619185.9	119007.1	22144.5	619620.8	118572.2	1.69
MIN Cent	-80897.2	-19085.6	-6487.6	-18412.0	-81570.8	-84.07
571	74571.4	12803.2	-7276.2	75270.2	12104.4	-6.04
572	-253006.6	-54590.5	-6091.7	-54403.7	-253193.4	-88.24
582	-235574.7	-48292.4	-4622.5	-48178.6	-235688.5	-88.59
581	89877.2	13286.8	-5803.4	90225.6	12857.2	-3.85

NODE	Vxx	Vyy

MAX Cent	505947.0	1689.3
571	508214.8	1700.9
572	508214.8	1776.3
582	503679.1	1776.3
581	503679.1	1700.9
MIN Cent	429829.5	-234.3
571	419736.7	533.1
572	419736.7	-1001.7
582	439922.3	-1001.7
581	439922.3	533.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1824	3	3	env SL~1	MAX Cent	3537749.1	5173523.9	75953.7	5340227.8	3371240.3	-73.09
				572	3524833.1	5221633.4	75953.7	5383268.4	3363347.1	-73.57
				573	3524833.1	5125414.3	75953.7	5295094.9	3355294.7	-72.80
				583	3550770.5	5125414.3	75953.7	5297486.0	3378844.3	-72.58
				582	3550770.5	5221633.4	75953.7	5385455.0	3387091.9	-73.36
				MIN Cent	-1596359.8	-1247528.6	-549307.4	-1232177.1	-1611501.4	78.39
				572	-1585761.1	-1260760.9	-549307.4	-1244356.9	-1601914.3	77.62
				573	-1585761.1	-1234296.2	-549307.4	-1219028.2	-1600797.2	78.45
				583	-1607134.2	-1234296.2	-549307.4	-1219874.9	-1621555.6	79.08
				582	-1607134.2	-1260760.9	-549307.4	-1245325.2	-1622570.0	78.33

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	189700.5	37266.4	19350.1	190310.6	36656.3	3.61
572	339111.1	69773.5	19634.2	339457.1	69427.5	2.05
573	71385.4	17321.2	18105.0	72402.5	16304.1	7.74
583	35937.4	3697.1	18922.0	38549.2	1085.4	15.31
582	312368.0	58273.7	20451.1	312907.1	57734.6	2.63
MIN Cent	-382007.7	-78899.2	-4520.2	-78832.6	-382074.3	-89.15
572	-250103.5	-54009.9	-4619.0	-53902.7	-250210.7	-88.66

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

573 -523920.7 -110863.8 -4476.8 -110826.3 -523958.1 -89.45
 583 -513631.4 -101470.8 -3578.8 -101440.4 -513661.9 -89.51
 582 -240375.1 -49252.5 -4211.6 -49160.4 -240467.2 -88.74

NODE Vxx Vyy

MAX Cent 423352.7 1831.6

572 425660.5 1776.3
 573 425660.5 1886.9
 583 421044.9 1886.9
 582 421044.9 1776.3

MIN Cent 364105.7 -1617.2

572 356021.9 -1001.7
 573 356021.9 -2245.2
 583 372189.5 -2245.2
 582 372189.5 -1001.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1825 3 3 env SL~1 MAX Cent 3621414.3 5103602.6 58747.4 5227787.3 3497245.2 -74.47

573 3571537.6 5141869.9 58747.4 5259985.0 3453409.0 -75.20
 574 3571537.6 5065335.2 58747.4 5188652.4 3448196.1 -74.57
 584 3671291.1 5065335.2 58747.4 5196195.2 3540481.7 -73.68
 583 3671291.1 5141869.9 58747.4 5266933.6 3546283.9 -74.37

MIN Cent -1570558.4 -1218072.9 -447856.2 -1208800.8 -1579659.4 80.88

573 -1552250.2 -1228849.9 -447856.2 -1218773.0 -1562123.1 80.11
 574 -1552250.2 -1207295.9 -447856.2 -1197818.7 -1561539.2 80.68
 584 -1588866.7 -1207295.9 -447856.2 -1198712.1 -1597305.2 81.55
 583 -1588866.7 -1228849.9 -447856.2 -1219774.4 -1597786.8 81.07

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -69585.4 -13720.0 15134.0 -13385.4 -69920.1 85.59

573 71777.5 17399.6 16194.6 72202.8 16974.3 5.03
 574 -169178.1 -29906.5 13700.8 -29881.2 -169203.4 89.23
 584 -213854.8 -45465.5 14014.9 -45380.1 -213940.2 88.71
 583 32913.7 3092.4 16508.6 34368.4 1637.7 12.17

MIN Cent -629618.2 -128484.2 -4441.0 -128457.6 -629644.8 -89.58

573 -520903.3 -110260.3 -4673.0 -110238.1 -520925.5 -89.58
 574 -741681.8 -156537.7 -5014.2 -156523.2 -741696.3 -89.71
 584 -738517.9 -144920.3 -3917.4 -144898.6 -738539.6 -89.65
 583 -517369.9 -102218.5 -3747.5 -102185.6 -517402.8 -89.49

NODE Vxx Vyy

MAX Cent 370413.5 1899.8

573 366016.0 1886.9
 574 366016.0 1912.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

584 374810.9 1912.7
583 374810.9 1886.9
MIN Cent 297927.7 -2749.8
573 291885.7 -2245.2
574 291885.7 -3254.5
584 303969.6 -3254.5
583 303969.6 -2245.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1826	3	3	env SL~1	MAX Cent	3690237.8	5052819.1	38356.6	5129809.2	3613164.0	-76.99
				574	3609642.4	5078823.6	38356.6	5150726.5	3537646.5	-77.83
				60	3609642.4	5026814.6	38356.6	5101103.7	3535251.9	-77.43
				68	3770833.2	5026814.6	38356.6	5109621.3	3687955.9	-76.05
				584	3770833.2	5078823.6	38356.6	5158707.4	3690886.3	-76.52
				MIN Cent	-1541204.9	-1193464.1	-334129.1	-1189409.6	-1545151.5	83.84
				574	-1516897.1	-1201141.2	-334129.1	-1196677.5	-1521232.8	83.23
				60	-1516897.1	-1185787.0	-334129.1	-1181527.1	-1521037.1	83.54
				68	-1565512.8	-1185787.0	-334129.1	-1182073.6	-1569133.7	84.36
				584	-1565512.8	-1201141.2	-334129.1	-1197273.4	-1569283.0	84.13

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-299290.9	-58847.8	9238.7	-58826.1	-299312.6	-89.46
574	-168985.2	-29867.9	10885.0	-29852.9	-169000.2	-89.41
60	-380707.2	-71478.0	7676.2	-71399.9	-380785.3	-89.09
68	-431044.0	-88065.1	7594.3	-88036.7	-431072.4	-89.48
584	-216427.2	-45980.0	10803.1	-45979.3	-216427.9	89.88
MIN Cent	-824395.0	-167920.6	-5137.2	-167897.6	-824418.1	-89.66
574	-738762.7	-155953.9	-5300.4	-155941.7	-738774.9	-89.74
60	-907327.8	-191753.1	-5841.8	-191740.0	-907340.8	-89.76
68	-910346.6	-178530.1	-4796.7	-178501.5	-910375.2	-89.64
584	-741143.1	-145445.3	-4296.3	-145415.9	-741172.5	-89.60

NODE	Vxx	Vyy
MAX Cent	323809.3	1897.7
574	321596.0	1912.7
60	321596.0	1882.7
68	326022.7	1882.7
584	326022.7	1912.7
MIN Cent	231086.2	-3645.8
574	227145.7	-3254.5
60	227145.7	-4037.1
68	235026.7	-4037.1
584	235026.7	-3254.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1827	3	3	env SL~1	MAX Cent 3741621.6	5025080.1	15368.7	5058486.8	3708172.8	-80.94	
				60	3637744.2	5036815.7	15368.7	5067571.1	3606937.7	-81.66
				575	3637744.2	5013344.5	15368.7	5044632.1	3606435.7	-81.52
				585	3845498.9	5013344.5	15368.7	5049895.9	3808926.6	-80.12
				68	3845498.9	5036815.7	15368.7	5072655.2	3809604.7	-80.31
				MIN Cent -1507726.0	-1174745.4	-210686.5	-1174097.3	-1508350.0	87.52	
				60	-1479557.6	-1178808.7	-210686.5	-1178078.2	-1480248.1	87.16
				575	-1479557.6	-1170682.1	-210686.5	-1170003.6	-1480230.1	87.33
				585	-1535894.5	-1170682.1	-210686.5	-1170107.0	-1536463.6	87.74
				68	-1535894.5	-1178808.7	-210686.5	-1178195.7	-1536476.5	87.61
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent -496892.2	-97597.0	2179.9	-97362.7	-497126.5	-88.61	
				60	-380808.7	-71498.3	4205.8	-71256.5	-381050.5	-88.40
				575	-560730.8	-106860.0	552.2	-106523.1	-561067.8	-88.44
				585	-612954.0	-123558.1	209.4	-123326.6	-613185.5	-88.75
				68	-433075.2	-88471.4	3863.0	-88332.2	-433214.4	-88.85
				MIN Cent -966774.4	-197178.6	-9674.6	-197145.6	-966807.4	-89.62	
				60	-904678.4	-191223.2	-8651.8	-191206.7	-904694.8	-89.72
				575	-1021418.4	-216548.3	-12371.3	-216526.4	-1021440.3	-89.70
				585	-1029077.5	-202097.6	-10646.9	-202050.4	-1029124.8	-89.57
				68	-911923.3	-178845.4	-6927.3	-178804.5	-911964.3	-89.57
				NODE	Vxx	Vyy				
				MAX Cent 273302.2	1844.2					
				60	273293.0	1882.7				
				575	273293.0	1805.8				
				585	273311.4	1805.8				
				68	273311.4	1882.7				
				MIN Cent 163165.4	-4332.8					
				60	161388.1	-4037.1				
				575	161388.1	-4628.5				
				585	164942.7	-4628.5				
				68	164942.7	-4037.1				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1828	3	3	env SL~1	MAX Cent 3774216.5	5023153.0	-9462.5	5028342.0	3769027.5	-86.32	
				575	3654795.0	5019842.6	-9462.5	5024593.4	3650044.2	-86.63
				576	3654795.0	5026463.3	-9462.5	5031191.3	3650066.9	-86.65
				586	3893638.1	5026463.3	-9462.5	5032179.1	3887922.3	-85.95
				585	3893638.1	5019842.6	-9462.5	5025591.7	3887889.0	-85.92
				MIN Cent -1469842.7	-1162885.2	-81268.3	-1162543.0	-1470184.9	-88.09	
				575	-1440091.7	-1163099.4	-81268.3	-1162720.3	-1440470.8	-87.88

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

576 -1440091.7 -1162670.9 -81268.3 -1162292.4 -1440470.2 -87.89
 586 -1499593.8 -1162670.9 -81268.3 -1162359.1 -1499905.6 -88.26
 585 -1499593.8 -1163099.4 -81268.3 -1162787.2 -1499906.0 -88.26

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-659712.7	-129409.5	-5399.0	-128847.0	-660275.2	-88.14
575	-561192.3	-106952.3	-3288.1	-106372.5	-561772.2	-87.96
576	-706509.7	-135480.3	-5520.3	-134785.8	-707204.3	-88.00
586	-756739.3	-149354.1	-5028.3	-149314.4	-757287.3	-89.55
585	-614409.6	-123849.2	-3768.3	-123418.9	-614839.9	-88.30
MIN Cent	-1056785.0	-216129.6	-17280.0	-216073.7	-1056840.8	-89.53
575	-1019179.7	-216100.5	-16240.0	-216068.7	-1019211.6	-89.64
576	-1083942.8	-230837.2	-19926.7	-230793.9	-1083986.0	-89.59
586	-1094298.7	-215354.9	-18221.8	-215275.5	-1094378.1	-89.46
585	-1029718.6	-202225.9	-14535.1	-202160.9	-1029783.6	-89.49

NODE	Vxx	Vyy

MAX Cent	218539.9	1744.6
575	220740.5	1805.8
576	220740.5	1683.5
586	216339.4	1683.5
585	216339.4	1805.8
MIN Cent	92642.2	-4843.2
575	93409.0	-4628.5
576	93409.0	-5068.9
586	91853.8	-5068.9
585	91853.8	-4628.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1829	3	3	env SL~1	MAX Cent	3788166.9	5047055.1	50662.5	5049066.0	3786177.4	87.71
				576	3661183.8	5029180.6	50662.5	5031031.2	3659352.6	87.90
				61	3661183.8	5064933.8	50662.5	5066733.2	3659399.1	87.95
				69	3915150.0	5064933.8	50662.5	5067131.2	3912972.4	87.50
				586	3915150.0	5029180.6	50662.5	5031452.5	3912902.8	87.42
				MIN Cent	-1427521.2	-1157765.7	-35950.9	-1153101.6	-1432185.2	-82.57
				576	-1398465.2	-1154206.6	-35950.9	-1149074.5	-1403597.3	-81.84
				61	-1398465.2	-1161324.7	-35950.9	-1156045.0	-1403744.9	-81.61
				69	-1456577.1	-1161324.7	-35950.9	-1157051.6	-1460850.2	-83.19
				586	-1456577.1	-1154206.6	-35950.9	-1150031.4	-1460752.3	-83.34

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-784783.3	-149550.1	-6038.9	-149475.7	-785735.8	-89.38
576	-707361.2	-135650.6	-6556.2	-134675.9	-708335.8	-87.64
61	-792013.6	-149317.0	-6844.6	-149222.5	-792087.7	-89.31

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

69 -796443.4 -151290.8 -5639.7 -151240.9 -796493.3 -89.50
 586 -757608.7 -149424.2 -5351.2 -149379.2 -758401.0 -89.52
 MIN Cent -1093925.1 -224544.5 -24536.6 -224450.9 -1094018.7 -89.41
 576 -1082238.5 -230496.3 -23625.8 -230434.5 -1082300.3 -89.51
 61 -1094269.4 -234405.1 -26995.8 -234323.9 -1094350.7 -89.44
 69 -1105073.0 -217957.6 -25297.2 -217831.4 -1105199.2 -89.32
 586 -1094119.4 -215319.0 -21927.3 -215216.8 -1094221.6 -89.38

NODE Vxx Vyy

MAX Cent 158998.2 1596.4
 576 163406.2 1683.5
 61 163406.2 1509.2
 69 154590.1 1509.2
 586 154590.1 1683.5
 MIN Cent 7290.6 -5221.2
 576 7605.7 -5068.9
 61 7605.7 -5373.5
 69 6975.4 -5373.5
 586 6975.4 -5068.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1830 3 3 env SL~1 MAX Cent 3784661.2 5094928.4 179354.6 5118875.4 3760714.1 82.37
 61 3657264.1 5064232.7 179354.6 5086586.3 3634910.5 82.87
 577 3657264.1 5125624.1 179354.6 5147070.2 3635818.0 83.16
 587 3912058.3 5125624.1 179354.6 5151404.2 3886278.2 81.79
 69 3912058.3 5064232.7 179354.6 5091326.2 3884964.8 81.38
 MIN Cent -1380965.7 -1159001.4 -61451.2 -1143279.6 -1396687.5 -75.58
 61 -1354799.2 -1152013.6 -61451.2 -1135011.5 -1371801.3 -74.46
 577 -1354799.2 -1165989.2 -61451.2 -1147925.7 -1372862.7 -73.54
 587 -1407132.1 -1165989.2 -61451.2 -1151378.1 -1421743.2 -76.56
 69 -1407132.1 -1152013.6 -61451.2 -1138122.4 -1421023.3 -77.20

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -772623.1 -145763.6 -6437.9 -145695.2 -772691.5 -89.40
 61 -793184.4 -149557.3 -7071.5 -149454.8 -793264.1 -89.28
 577 -748849.0 -139660.1 -7247.4 -139570.8 -748938.3 -89.31
 587 -752228.0 -142438.2 -6037.4 -142372.0 -752290.1 -89.40
 69 -796231.0 -151248.4 -5861.5 -151193.6 -796285.8 -89.47
 MIN Cent -1077091.6 -222087.9 -30879.2 -221941.4 -1077238.0 -89.25
 61 -1093218.4 -234194.9 -30211.3 -234086.2 -1093327.2 -89.36
 577 -1051126.6 -226901.1 -32981.5 -226762.9 -1051264.8 -89.26
 587 -1059855.1 -209553.8 -31334.3 -209374.5 -1060041.7 -89.17
 69 -1104166.1 -217776.2 -28564.1 -217624.6 -1104317.7 -89.25

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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-----
MAX Cent 94021.2 1388.0
  61 100638.2 1509.2
 577 100638.2 1266.8
 587 87404.3 1266.8
  69 87404.3 1509.2
MIN Cent -80621.3 -5454.2
  61 -80797.5 -5373.5
 577 -80797.5 -5535.0
 587 -80445.1 -5535.0
  69 -80445.1 -5373.5

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1831 3 3 env SL~1 MAX Cent 3765464.6 5161971.3 301689.9 5224086.7 3703349.2 78.34
      577 3644673.4 5121784.8 301689.9 5180767.4 3585690.7 78.91
      578 3644673.4 5202157.8 301689.9 5258306.2 3588525.0 79.43
      588 3886255.9 5202157.8 301689.9 5267741.5 3820672.2 77.71
      587 3886255.9 5121784.8 301689.9 5191214.5 3816826.2 77.01
      MIN Cent -1330634.3 -1165757.3 -85884.8 -1129483.7 -1366907.9 -66.99
      577 -1309372.7 -1155922.9 -85884.8 -1117829.8 -1347465.8 -65.97
      578 -1309372.7 -1175591.8 -85884.8 -1133989.0 -1350975.5 -64.03
      588 -1351895.9 -1175591.8 -85884.8 -1140995.2 -1386492.6 -67.95
      587 -1351895.9 -1155922.9 -85884.8 -1123917.8 -1383901.0 -69.46

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      NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
      MAX Cent -699135.5 -130570.5 -6600.4 -130487.9 -699218.0 -89.31
      577 -750324.8 -139955.2 -7247.6 -139865.4 -750414.6 -89.31
      578 -646223.8 -117993.9 -7294.3 -117887.7 -646330.0 -89.19
      588 -647503.8 -121810.9 -6264.8 -121730.1 -647584.5 -89.29
      587 -751479.4 -142284.5 -6218.1 -142215.0 -751546.1 -89.39
      MIN Cent -1005994.0 -208602.1 -35749.9 -208393.9 -1006202.2 -89.07
      577 -1050853.7 -226846.5 -35401.0 -226674.5 -1051025.7 -89.17
      578 -955566.0 -208317.7 -37292.9 -208105.3 -955778.3 -89.03
      588 -960535.7 -190296.4 -35804.9 -190044.2 -960787.9 -88.96
      587 -1058283.2 -209244.4 -33913.0 -209040.7 -1058492.0 -89.11

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      NODE Vxx Vyy
-----
      MAX Cent 22869.7 1097.6
      577 31719.7 1266.8
      578 31719.7 1192.8
      588 14019.7 1192.8
      587 14019.7 1266.8
      MIN Cent -171899.7 -5536.6
      577 -172620.5 -5535.0
      578 -172620.5 -5538.1
      588 -171179.0 -5538.1

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

587 -171179.0 -5535.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1832	3	3	env SL~1	MAX Cent	3734612.3	5241336.3	414427.7	5347448.5	3628500.1	75.61
				578	3626633.2	5195987.3	414427.7	5298361.4	3524259.2	76.10
				579	3626633.2	5286685.3	414427.7	5384066.8	3529251.7	76.75
				589	3842591.4	5286685.3	414427.7	5396800.2	3732476.5	75.09
				588	3842591.4	5195987.3	414427.7	5312423.5	3726155.2	74.28
				MIN Cent	-1277242.6	-1176603.5	-108623.6	-1107751.1	-1346094.9	-57.49
				578	-1262525.4	-1164913.4	-108623.6	-1095178.7	-1332260.2	-57.16
				579	-1262525.4	-1188293.5	-108623.6	-1111183.9	-1339635.0	-54.48
				589	-1291959.7	-1188293.5	-108623.6	-1120307.8	-1359945.5	-57.82
				588	-1291959.7	-1164913.4	-108623.6	-1103116.7	-1353756.5	-60.23

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	-564786.2	-103374.9	-6457.8	-103277.3	-564883.7	-89.17
578	-647730.1	-118295.2	-6945.2	-118198.1	-647827.3	-89.22
579	-482427.6	-84230.9	-6799.2	-84105.7	-482552.8	-88.98
589	-482711.8	-89408.2	-6297.4	-89299.1	-482820.9	-89.05
588	-646275.3	-121565.2	-6443.4	-121480.7	-646359.9	-89.27
MIN Cent	-897317.0	-183747.8	-38606.5	-183466.1	-899372.3	-88.85
578	-956247.8	-208454.0	-38629.7	-208205.6	-956496.3	-88.96
579	-877510.3	-178211.0	-39371.7	-177805.5	-879692.0	-88.55
589	-880633.2	-171348.7	-38175.9	-169299.9	-882682.0	-86.93
588	-958362.1	-189861.6	-37433.9	-189598.9	-958624.9	-88.94

NODE Vxx Vyy

MAX Cent	-55221.6	1396.3
578	-44056.9	1192.8
579	-44056.9	1599.9
589	-66386.4	1599.9
588	-66386.4	1192.8
MIN Cent	-267304.0	-5447.0
578	-268587.3	-5538.1
579	-268587.3	-5355.9
589	-266020.7	-5355.9
588	-266020.7	-5538.1

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1833	3	3	env SL~1	MAX Cent	3697813.5	5321808.1	515596.8	5471247.2	3548374.4	73.81
				579	3607418.6	5279325.5	515596.8	5425124.8	3461619.3	74.19
				580	3607418.6	5364290.8	515596.8	5504024.7	3467684.7	74.81
				590	3788208.4	5364290.8	515596.8	5517540.8	3634958.4	73.42

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

589 3788208.4 5279325.5 515596.8 5439790.1 3627743.9 72.69
 MIN Cent -1221879.0 -1189884.7 -129512.8 -1076101.6 -1335662.2 -48.54
 579 -1214630.7 -1177220.8 -129512.8 -1065783.9 -1326067.6 -49.13
 580 -1214630.7 -1202548.7 -129512.8 -1079657.5 -1337521.9 -46.34
 590 -1229127.3 -1202548.7 -129512.8 -1086363.6 -1345312.4 -47.95
 589 -1229127.3 -1177220.8 -129512.8 -1071794.5 -1334553.6 -50.70

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -368726.5 -64116.5 -6081.9 -63982.0 -368860.9 -88.80
 579 -483634.3 -84472.2 -6152.2 -84368.0 -483738.6 -89.07
 580 -254695.6 -38240.6 -5941.4 -38065.9 -254870.3 -88.37
 590 -254494.2 -44327.9 -6250.0 -44140.1 -254691.7 -88.24
 589 -481187.5 -89103.3 -6460.8 -88987.2 -481303.6 -89.01
 MIN Cent -832688.0 -160800.3 -38916.3 -158553.7 -834934.5 -86.70
 579 -879098.8 -178540.8 -39419.2 -178104.9 -881281.8 -88.49
 580 -795381.6 -153464.7 -38747.1 -151134.3 -797711.9 -86.56
 590 -777040.3 -149169.8 -37891.0 -146891.4 -779318.7 -86.56
 589 -879231.3 -171068.3 -38563.1 -168974.6 -881325.1 -86.89

NODE Vxx Vyy

MAX Cent -140972.4 1722.5
 579 -127295.2 1599.9
 580 -127295.2 1845.1
 590 -154649.6 1845.1
 589 -154649.6 1599.9
 MIN Cent -367474.3 -5082.4
 579 -369210.4 -5355.9
 580 -369210.4 -4808.9
 590 -365738.2 -4808.9
 589 -365738.2 -5355.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1834 3 3 env SL~1 MAX Cent 3664763.6 5399855.7 608126.1 5591285.3 3473333.9 72.50
 580 3592487.3 5357680.8 608126.1 5546424.5 3403743.6 72.73
 62 3592487.3 5442030.6 608126.1 5623602.4 3410915.5 73.35
 70 3737039.8 5442030.6 608126.1 5636216.5 3542853.9 72.27
 590 3737039.8 5357680.8 608126.1 5559986.9 3534733.7 71.58
 MIN Cent -1165848.7 -1203086.5 -149932.0 -1034191.1 -1334744.0 -41.44
 580 -1165190.8 -1191342.6 -149932.0 -1028575.9 -1327957.5 -42.49
 62 -1165190.8 -1214830.3 -149932.0 -1038840.6 -1341180.6 -40.28
 70 -1166506.5 -1214830.3 -149932.0 -1039605.0 -1341731.8 -40.40
 590 -1166506.5 -1191342.6 -149932.0 -1029289.8 -1328559.3 -42.62

NODE Mxx Myy Mxy Mmax Mmin ANGLE

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

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MAX Cent -98684.4 -10335.5 -5717.7 -9967.0 -99052.9 -86.31
580 -255104.1 -38322.3 -5237.8 -38184.3 -255242.1 -88.56
62 56957.4 23685.9 -5047.9 57706.4 22936.9 -8.44
70 57069.2 17393.4 -6254.0 58031.7 16431.0 -8.75
590 -252932.6 -44007.2 -6443.9 -43808.8 -253145.0 -88.24
MIN Cent -708464.1 -135486.6 -36213.5 -133206.9 -710743.8 -86.40
580 -796582.9 -153704.9 -37610.6 -151512.1 -798775.7 -86.66
62 -652993.6 -126275.5 -35263.2 -123925.2 -655343.9 -86.19
70 -609040.7 -113156.2 -33979.7 -110838.7 -611358.2 -86.10
590 -775239.3 -148809.6 -36327.1 -146710.0 -777338.9 -86.69

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NODE Vxx Vyy

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-----
MAX Cent -234929.0 1852.5
580 -218355.4 1845.1
62 -218355.4 1868.5
70 -251502.6 1868.5
590 -251502.6 1845.1
MIN Cent -472820.9 -4616.5
580 -474600.2 -4808.9
62 -474600.2 -4467.2
70 -471041.7 -4467.2
590 -471041.7 -4808.9

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

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-----
1835 3 3 env SL~1 MAX Cent 3640476.8 5433415.4 661315.5 5650544.2 3423348.1 71.81
62 3604997.2 5437173.3 661315.5 5650536.7 3391633.7 72.10
63 3604997.2 5429657.5 661315.5 5643733.0 3390921.7 72.05
71 3675956.5 5429657.5 661315.5 5650673.2 3454940.8 71.50
70 3675956.5 5437173.3 661315.5 5657434.8 3455695.0 71.56
MIN Cent -1110875.7 -1212433.0 -165268.9 -989357.9 -1333950.8 -36.43
62 -1117695.7 -1203835.7 -165268.9 -990581.7 -1330949.8 -37.67
63 -1117695.7 -1221030.3 -165268.9 -996802.6 -1341923.4 -36.29
71 -1104055.6 -1221030.3 -165268.9 -987819.3 -1337266.6 -35.22
70 -1104055.6 -1203835.7 -165268.9 -981909.0 -1325982.3 -36.57

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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-----
MAX Cent 250176.6 58932.1 -5436.0 250331.0 58777.8 -1.63
62 58077.5 23910.0 -5208.5 58853.9 23133.6 -8.48
63 443081.8 101941.5 -5148.3 443159.5 101863.8 -0.86
71 441439.3 92276.0 -4845.2 441551.0 92164.3 -1.02
70 58107.9 17601.2 -6304.5 59066.5 16642.6 -8.65
MIN Cent -518982.7 -97202.2 -29503.7 -95148.4 -521036.5 -86.02
62 -653440.4 -126364.9 -32315.1 -124391.0 -655414.3 -86.50
63 -443736.1 -81586.7 -28015.4 -79432.3 -445890.5 -85.60
71 -371783.4 -68114.9 -27528.1 -65639.6 -374258.7 -84.86
70 -606970.8 -112742.3 -31827.8 -110701.0 -609012.0 -86.33

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	-337573.5	2300.7
62	-317404.0	1868.5
63	-317404.0	2743.4
71	-357743.0	2743.4
70	-357743.0	1868.5
MIN Cent	-583263.8	-1782.0
62	-584055.6	-4467.2
63	-584055.6	265.3
71	-582472.1	265.3
70	-582472.1	-4467.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1836	3	3	env SL~1	MAX Cent	3693323.1	5839429.3	615522.8	6003253.5	3529499.0	75.09
				63	3781859.9	5440226.8	615522.8	5643500.3	3578586.3	71.71
				5064	3781859.9	6238631.9	615522.8	6384056.1	3636435.7	76.70
				5072	3604786.3	6238631.9	615522.8	6375224.9	3468193.4	77.48
				71	3604786.3	5440226.8	615522.8	5627329.0	3417684.0	73.08
				MIN Cent	-1065768.3	-1273087.3	-175758.2	-965690.3	-1373165.3	-29.71
				63	-1085179.4	-1212008.9	-175758.2	-962086.5	-1335101.8	-35.06
				5064	-1085179.4	-1334165.8	-175758.2	-994586.0	-1424759.1	-27.32
				5072	-1046357.2	-1334165.8	-175758.2	-963386.8	-1417136.2	-25.32
				71	-1046357.2	-1212008.9	-175758.2	-935214.5	-1323151.5	-32.36

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	673911.7	143391.8	-2129.1	673999.1	143304.4	-0.74
63	446805.1	102686.1	776.2	446866.9	102624.3	-0.77
5064	903245.0	183399.1	3764.4	903276.9	183367.2	-0.38
5072	904543.2	195283.4	-1352.8	904578.5	195248.0	-0.40
71	441053.4	92198.8	-4341.0	441120.2	92132.0	-0.79
MIN Cent	-257971.3	-45083.1	-21505.7	-42932.4	-260122.0	-84.29
63	-442601.5	-81359.8	-19061.7	-80356.8	-443604.6	-86.99
5064	-167376.6	-53797.1	-12590.4	-52418.2	-168755.5	-83.75
5072	-52329.8	22498.0	-13457.5	24844.7	-54676.4	-80.11
71	-369577.1	-67673.6	-19928.8	-66363.8	-370887.0	-86.24

NODE	Vxx	Vyy

MAX Cent	-449764.3	-330.3
63	-426442.5	2743.4
5064	-426442.5	-3356.8
5072	-473086.1	-3356.8
71	-473086.1	2743.4
MIN Cent	-698190.8	-7701.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

63 -696154.7 265.3
5064 -696154.7 -15978.0
5072 -700226.8 -15978.0
71 -700226.8 265.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1837	3	3	env SL~1	MAX Cent	2789422.7	5251115.8	251709.9	5853766.8	2186750.3	-66.08
				5065	2982980.0	5255281.3	251709.9	5890296.2	2347756.5	-64.95
				66	2982980.0	5247116.2	251709.9	5883769.0	2346327.2	-64.90
				74	2595865.4	5247116.2	251709.9	5819931.8	2023049.8	-67.14
				5073	2595865.4	5255281.3	251709.9	5826690.0	2024248.0	-67.19
				MIN Cent	-1638523.6	-1321161.7	-1360395.0	-1183381.6	-1776277.0	61.18
				5065	-1670072.7	-1320159.4	-1360395.0	-1189448.7	-1800522.6	62.48
				66	-1670072.7	-1322371.6	-1360395.0	-1191392.1	-1801052.2	62.39
				74	-1606974.4	-1322371.6	-1360395.0	-1176667.7	-1752678.3	59.80
				5073	-1606974.4	-1320159.4	-1360395.0	-1174818.2	-1752054.7	59.91

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	1519938.7	301670.7	16272.7	1520099.1	301510.3	0.66
5065	1681192.0	335406.4	10380.1	1681195.6	335402.8	0.09
66	1303385.6	251997.9	16144.5	1303557.2	251826.3	0.73
74	1351173.1	273204.4	12850.8	1351284.9	273092.6	0.58
5073	1758639.8	376681.5	7086.3	1758669.1	376652.2	0.26
MIN Cent	1145797.7	233468.6	-9915.9	1145899.6	233190.4	-0.61
5065	1329830.3	236901.9	-7386.5	1329876.6	236805.2	-0.38
66	874933.6	156857.7	-1981.8	874937.7	156853.5	-0.14
74	931371.7	200912.2	-10972.1	931531.0	200703.9	-0.85
5073	1442118.7	312163.6	-16378.2	1442346.4	312148.0	-0.81

NODE Vxx Vyy

MAX Cent	773577.0	2988.5
5065	759184.2	2411.3
66	759184.2	3613.6
74	815099.7	3613.6
5073	815099.7	2411.3
MIN Cent	584518.6	-11630.3
5065	557512.8	-17517.2
66	557512.8	-12550.6
74	611524.4	-12550.6
5073	611524.4	-17517.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
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1838	3	3	env SL~1	MAX Cent	2985479.2	5149890.0	248743.7	5771530.0	2363839.2	-64.72
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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66 3099244.1 5286435.9 248743.7 5903853.9 2481717.8 -64.86
67 3099244.1 5013452.5 248743.7 5683606.4 2429090.3 -63.01
75 2871714.2 5013452.5 248743.7 5639251.1 2245915.7 -64.57
74 2871714.2 5286435.9 248743.7 5864940.7 2293101.0 -66.27
MIN Cent -1635844.0 -1290030.3 -1317277.2 -1160795.6 -1765078.8 62.45
66 -1648355.1 -1321971.1 -1317277.2 -1188369.0 -1781821.7 61.69
67 -1648355.1 -1258225.0 -1317277.2 -1137944.0 -1768636.1 64.11
75 -1623333.0 -1258225.0 -1317277.2 -1133014.9 -1748543.1 63.19
74 -1623333.0 -1321971.1 -1317277.2 -1182553.4 -1762615.3 60.66

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NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 1143971.7 227010.2 22930.2 1144364.4 226617.6 1.19
66 1301600.1 251640.8 19270.6 1301832.9 251407.9 0.85
67 952330.4 182083.3 22478.7 952747.0 181666.7 1.33
75 968810.9 200717.9 27051.8 969487.2 200041.6 1.70
74 1353145.6 273598.9 23843.7 1353535.6 273208.9 1.09
MIN Cent 691121.8 143372.3 -1714.6 691125.0 143369.1 -0.14
66 868890.2 155649.0 -7332.7 868957.5 155581.7 -0.56
67 460094.4 76443.9 -4159.3 460130.3 76408.1 -0.55
75 491109.2 122078.4 3999.4 491162.1 120485.9 0.69
74 944393.2 201858.1 836.7 944395.0 201144.9 0.09

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NODE   Vxx   Vyy
-----
MAX Cent 688262.3 3450.6
66 672383.0 3613.6
67 672383.0 3293.2
75 722156.7 3293.2
74 722156.7 3613.6
MIN Cent 557430.5 -12830.4
66 530235.2 -12550.6
67 530235.2 -13110.1
75 584625.7 -13110.1
74 584625.7 -12550.6

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ELEM  MAT  SEC  LC  NODE  Fxx  Fyy  Fxy  Fmax  Fmin  ANGLE
-----
1839  3    3  env SL~1 MAX Cent 3184787.5 4906235.5 243479.7 5569538.4 2521484.6 -62.19
67 3192495.3 5053314.2 243479.7 5687345.2 2558464.3 -63.25
581 3192495.3 4759156.7 243479.7 5457520.7 2494131.3 -60.96
591 3177079.7 4759156.7 243479.7 5453902.3 2482334.2 -61.08
75 3177079.7 5053314.2 243479.7 5684233.7 2546160.2 -63.36
MIN Cent -1634619.1 -1222139.3 -1258717.7 -1109792.5 -1746965.9 65.17
67 -1621022.5 -1257980.0 -1258717.7 -1136330.4 -1742672.1 63.39
581 -1621022.5 -1186298.6 -1258717.7 -1077763.6 -1729557.5 65.92
591 -1648215.7 -1186298.6 -1258717.7 -1082138.6 -1752375.8 66.78
75 -1648215.7 -1257980.0 -1258717.7 -1141595.7 -1764600.0 64.39

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	788651.3	157742.0	27341.9	789397.7	156995.7	1.97
67	949644.9	181546.2	24611.7	950119.8	181071.4	1.42
581	622797.5	121649.3	25569.9	623538.6	120908.2	2.20
591	610579.3	126500.2	28013.1	611631.6	125447.8	2.67
75	971583.6	201272.5	27054.9	972235.1	200620.9	1.67
MIN Cent	288135.0	65063.7	2662.1	288183.9	65014.7	0.85
67	454133.8	75251.8	-561.3	454133.8	75251.8	-0.01
581	94894.0	11849.3	588.0	94915.3	11841.9	0.92
591	102660.0	43456.8	3214.4	102846.1	40517.8	3.21
75	499794.9	123018.2	1864.3	499809.0	121438.2	0.35

NODE	Vxx	Vyy

MAX Cent	601230.1	2930.5
67	587360.3	3293.2
581	587360.3	2573.4
591	627489.7	2573.4
75	627489.7	3293.2
MIN Cent	522489.1	-10974.8
67	497838.3	-13110.1
581	497838.3	-8839.5
591	547139.9	-8839.5
75	547139.9	-13110.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1840	3	3	env SL~1	MAX Cent	3372986.3	4650493.7	222979.3	5319604.1	2703876.0	-59.62
				581	3295899.9	4796796.5	222979.3	5412245.3	2680451.1	-61.66
				582	3295899.9	4504190.9	222979.3	5191360.2	2608730.6	-58.95
				592	3450072.8	4504190.9	222979.3	5234229.1	2720034.6	-57.39
				591	3450072.8	4796796.5	222979.3	5448545.3	2798324.0	-60.27
				MIN Cent	-1630511.0	-1149475.9	-1142160.6	-1062382.0	-1717604.9	68.62
				581	-1597228.7	-1185477.0	-1142160.6	-1088259.7	-1694446.0	66.39
				582	-1597228.7	-1113474.8	-1142160.6	-1026741.0	-1683962.5	68.70
				592	-1663793.3	-1113474.8	-1142160.6	-1034807.6	-1742460.5	70.52
				591	-1663793.3	-1185477.0	-1142160.6	-1098020.4	-1751249.9	68.54

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	458694.0	93072.5	26957.0	459787.3	91979.2	3.13
581	619585.8	121007.0	25651.3	620290.2	120302.7	2.15
582	316775.1	64541.2	24834.3	317956.1	63360.2	3.91
592	283416.5	59357.7	26867.8	285191.6	57582.6	5.07
591	614998.6	127384.0	27684.8	615942.5	126440.1	2.52
MIN Cent	-69484.9	-5461.4	1890.8	-5262.6	-69683.7	86.82
581	89349.9	10741.1	416.0	89400.4	10715.8	1.45

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

582 -235688.0 -48859.0 -142.7 -48845.4 -235701.6 89.51
592 -242406.2 -28899.7 3499.1 -28830.3 -242475.7 88.97
591 110678.2 45034.1 3604.8 110888.0 41847.6 3.23

NODE Vxx Vyy

MAX Cent 515055.1 2462.2

581 503679.1 2573.4
582 503679.1 2351.0
592 534849.5 2351.0
591 534849.5 2573.4

MIN Cent 462857.0 -7546.5

581 439922.3 -8839.5
582 439922.3 -6253.5
592 485791.6 -6253.5
591 485791.6 -8839.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1841 3 3 env SL~1 MAX Cent 3536782.2 4411751.8 189341.5 5042303.0 2906231.0 -57.09

582 3398457.8 4536950.1 189341.5 5096099.6 2839441.8 -60.15
583 3398457.8 4286553.5 189341.5 4913208.8 2771896.8 -57.25
593 3675235.9 4286553.5 189341.5 5002038.7 2959750.6 -53.71
592 3675235.9 4536950.1 189341.5 5171431.3 3040754.7 -56.93

MIN Cent -1620103.9 -1080500.5 -975096.9 -1020948.1 -1679656.3 72.50

582 -1573728.6 -1111393.4 -975096.9 -1044038.0 -1641090.2 70.39
583 -1573728.6 -1049607.6 -975096.9 -988625.0 -1634711.3 72.11
593 -1666479.2 -1049607.6 -975096.9 -996361.5 -1719725.4 74.26
592 -1666479.2 -1111393.4 -975096.9 -1053211.4 -1724661.3 72.88

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 157428.3 33825.2 23551.7 159356.2 31897.4 7.06

582 313490.1 63884.2 23360.8 314432.3 62942.0 3.51
583 37637.7 12198.6 21216.2 42915.7 6920.7 22.51
593 -10235.2 -1220.3 22547.2 9552.6 -21008.1 53.58
592 288820.7 60438.5 24691.7 290113.6 59145.6 4.29

MIN Cent -379388.6 -66592.5 745.9 -66572.1 -379409.0 89.54

582 -240488.4 -49819.1 -361.4 -49809.6 -240497.8 89.60
583 -513410.3 -100365.0 -1008.1 -100363.7 -513411.5 89.90
593 -528532.5 -88742.9 1776.1 -88730.5 -528544.9 89.70
592 -235123.2 -27443.1 2422.7 -27400.9 -235165.4 89.18

NODE Vxx Vyy

MAX Cent 436573.2 2397.9

582 421044.9 2351.0
583 421044.9 2444.8

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

593 453339.9 2444.8
592 453339.9 2351.0
MIN Cent 390441.9 -5276.2
582 372189.5 -6253.5
583 372189.5 -4298.9
593 408694.2 -4298.9
592 408694.2 -6253.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1842 3 3 env SL~1 MAX Cent 3673673.4 4215733.2 145944.4 4760039.4 3129303.6 -54.71
583 3493823.3 4313788.1 145944.4 4775225.5 3032322.7 -59.03
584 3493823.3 4117695.4 145944.4 4635523.8 2975852.1 -56.04
594 3853790.9 4117695.4 145944.4 4765983.3 3205444.3 -49.87
593 3853790.9 4313788.1 145944.4 4886460.8 3281118.2 -53.33
MIN Cent -1603509.3 -1021945.2 -769829.8 -987571.2 -1637823.5 76.72
583 -1549751.7 -1046115.7 -769829.8 -1007162.7 -1588704.7 75.00
584 -1549751.7 -997796.0 -769829.8 -961713.0 -1585694.0 76.11
594 -1657266.8 -997796.0 -769829.8 -967073.3 -1687887.6 78.08
593 -1657266.8 -1046115.7 -769829.8 -1013295.2 -1690087.3 77.28

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -112528.1 -19512.8 17867.9 -18629.2 -113411.7 84.46
583 34614.0 11593.9 18615.5 38215.4 7992.5 20.19
584 -211764.5 -35014.3 15534.1 -34784.1 -211994.8 87.93
594 -268395.1 -54544.0 16197.7 -54281.5 -268657.6 87.99
593 -4566.8 -86.7 19279.2 8805.6 -13459.0 50.80
MIN Cent -633711.7 -116904.0 -614.0 -116903.7 -633712.0 89.96
583 -517148.7 -101112.6 -1342.2 -101112.6 -517148.7 -89.99
584 -738053.2 -142596.5 -2022.6 -142594.4 -738055.3 -89.89
594 -757436.3 -136428.6 -326.8 -136428.5 -757436.4 -89.98
593 -522208.7 -87478.1 620.4 -87476.4 -522210.4 89.89

NODE Vxx Vyy

MAX Cent 387364.9 2565.9
583 374810.9 2444.8
584 374810.9 2687.1
594 399918.8 2687.1
593 399918.8 2444.8
MIN Cent 317565.9 -3620.0
583 303969.6 -4298.9
584 303969.6 -2941.1
594 331162.2 -2941.1
593 331162.2 -4298.9

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1843	3	3	env SL~1	MAX Cent	3782263.1	4072250.7	95791.7	4483600.2	3370932.5	-52.55
				584	3574789.0	4139275.9	95791.7	4463787.2	3250272.3	-58.86
				68	3574789.0	4005230.9	95791.7	4368641.7	3211378.1	-55.92
				76	3989936.0	4005230.9	95791.7	4534656.9	3460520.6	-45.41
				594	3989936.0	4139275.9	95791.7	4606799.7	3522444.3	-48.96
				MIN Cent	-1580106.6	-976475.2	-537874.8	-961804.5	-1594777.3	81.24
				584	-1522181.2	-992974.7	-537874.8	-976356.0	-1538799.9	80.10
				68	-1522181.2	-959975.6	-537874.8	-944279.3	-1537877.5	80.64
				76	-1638032.0	-959975.6	-537874.8	-946851.8	-1651155.8	82.15
				594	-1638032.0	-992974.7	-537874.8	-979206.4	-1651800.3	81.77
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	-348851.7	-66407.1	10652.5	-66399.6	-348859.1	89.71
				584	-214337.0	-35528.8	12097.5	-35486.8	-214379.0	89.12
				68	-428740.5	-76547.6	8413.7	-76544.2	-428743.9	-89.82
				76	-489243.2	-100069.6	8570.1	-100068.9	-489243.9	-89.92
				594	-263086.1	-53482.2	12254.0	-53429.6	-263138.7	89.09
				MIN Cent	-833315.1	-156562.3	-2559.8	-156553.5	-833323.9	-89.79
				584	-740678.3	-143121.6	-2443.8	-143113.3	-740686.6	-89.79
				68	-909712.3	-175358.4	-3745.6	-175341.3	-909729.4	-89.72
				76	-930522.0	-172358.4	-3494.2	-172344.5	-930535.9	-89.75
				594	-752347.9	-135410.9	-2037.7	-135404.8	-752353.9	-89.82
				NODE	Vxx	Vyy				
				MAX Cent	334434.0	3041.7				
				584	326022.7	2687.1				
				68	326022.7	3470.6				
				76	342845.3	3470.6				
				594	342845.3	2687.1				
				MIN Cent	244088.8	-2511.2				
				584	235026.7	-2941.1				
				68	235026.7	-2081.4				
				76	253150.9	-2081.4				
				594	253150.9	-2941.1				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1844	3	3	env SL~1	MAX Cent	3862287.7	3986728.8	41398.2	4219483.7	3629567.1	-51.09
				68	3637837.1	4021235.8	41398.2	4175784.6	3483288.3	-61.81
				585	3637837.1	3952221.7	41398.2	4123432.5	3466626.3	-59.30
				595	4086864.5	3952221.7	41398.2	4315559.1	3723625.0	-38.43
				76	4086864.5	4021235.8	41398.2	4344179.8	3764053.5	-41.76
				MIN Cent	-1549437.9	-945378.9	-289099.7	-942628.4	-1552188.4	86.15
				68	-1490026.0	-953841.9	-289099.7	-950746.9	-1493121.0	85.67

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

585 -1490026.0 -936915.9 -289099.7 -933914.6 -1493027.3 85.80
 595 -1608849.7 -936915.9 -289099.7 -934441.1 -1611324.5 86.53
 76 -1608849.7 -953841.9 -289099.7 -951303.6 -1611388.0 86.44

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-549220.8	-106296.2	2532.0	-106192.5	-549324.5	-89.12
68	-430771.7	-76953.9	4441.1	-76879.7	-430846.0	-89.17
585	-610606.4	-111820.1	446.8	-111654.0	-610772.6	-88.95
595	-670739.7	-137236.7	280.4	-137090.3	-670886.2	-89.05
76	-484765.2	-99174.1	4274.6	-99112.8	-484826.4	-89.28
MIN Cent	-978762.9	-185612.6	-6777.5	-185574.4	-978801.1	-89.60
68	-911289.0	-175673.8	-5303.7	-175641.3	-911321.5	-89.62
585	-1028347.5	-198447.3	-9104.9	-198399.6	-1028395.2	-89.57
595	-1048525.6	-196697.4	-8839.2	-196649.2	-1048573.8	-89.57
76	-926889.7	-171631.9	-5434.3	-171598.8	-926922.8	-89.62

NODE	Vxx	Vyy

MAX Cent	277659.9	3702.4
68	273311.4	3470.6
585	273311.4	3934.3
595	282008.4	3934.3
76	282008.4	3470.6
MIN Cent	169585.4	-1882.7
68	164942.7	-2081.4
585	164942.7	-1686.2
595	174228.2	-1686.2
76	174228.2	-2081.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1845	3	3	env SL~1	MAX Cent	3914283.1	3961212.9	-15089.9	3977045.8	3898450.3	-63.33
				585	3681250.1	3962620.8	-15089.9	3966109.2	3677761.6	-83.69
				586	3681250.1	3959805.1	-15089.9	3963327.9	3677727.2	-83.62
				596	4147367.3	3959805.1	-15089.9	4152473.7	3954647.5	-9.29
				595	4147367.3	3962620.8	-15089.9	4152548.2	3957388.7	-9.42
				MIN Cent	-1511723.2	-929007.8	-32593.1	-928588.4	-1512142.6	-88.46
				585	-1452818.3	-929373.0	-32593.1	-928906.2	-1453285.1	-88.29
				586	-1452818.3	-928642.6	-32593.1	-928176.5	-1453284.5	-88.29
				596	-1570628.1	-928642.6	-32593.1	-928261.9	-1571008.8	-88.61
				595	-1570628.1	-929373.0	-32593.1	-928991.8	-1571009.2	-88.60

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-711107.4	-138586.5	-3942.6	-138192.7	-711501.1	-88.50
585	-612062.0	-112111.3	-3735.3	-111761.8	-612411.5	-88.49
586	-754508.6	-140202.6	-4390.7	-139728.1	-754983.1	-88.41

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

596 -797240.8 -161403.6 -4264.6 -161374.8 -797269.5 -89.61
 595 -667426.5 -136574.1 -3609.1 -136251.5 -667749.2 -88.59
 MIN Cent -1070104.3 -203975.5 -15019.0 -203889.9 -1070189.8 -89.43
 585 -1028988.6 -198575.5 -13222.7 -198502.9 -1029061.2 -89.46
 586 -1093549.7 -211609.6 -17078.8 -211514.8 -1093644.5 -89.41
 596 -1111377.7 -209424.2 -16947.3 -209324.9 -1111476.9 -89.40
 595 -1046501.2 -196292.5 -13091.1 -196215.7 -1046578.0 -89.46

NODE Vxx Vyy

MAX Cent 216656.3 3969.2
 585 216339.4 3934.3
 586 216339.4 4063.1
 596 216973.2 4063.1
 595 216973.2 3934.3
 MIN Cent 92495.5 -1682.2
 585 91853.8 -1686.2
 586 91853.8 -1678.1
 596 93137.2 -1678.1
 595 93137.2 -1686.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1846 3 3 env SL~1 MAX Cent 3938623.9 3996346.8 225334.0 4194325.1 3740914.4 48.67
 586 3705005.7 3964673.3 225334.0 4094554.4 3575432.8 60.00
 69 3705005.7 4028020.3 225334.0 4143424.9 3589898.6 62.84
 77 4172282.6 4028020.3 225334.0 4336660.2 3864084.8 36.11
 596 4172282.6 3964673.3 225334.0 4316505.4 3820890.1 32.63
 MIN Cent -1467146.9 -927347.4 -72781.9 -917830.3 -1476663.9 -82.50
 586 -1410493.4 -919727.4 -72781.9 -909296.6 -1420924.2 -81.79
 69 -1410493.4 -934967.4 -72781.9 -924216.6 -1421244.2 -81.54
 77 -1523800.3 -934967.4 -72781.9 -926219.0 -1532548.7 -83.10
 596 -1523800.3 -919727.4 -72781.9 -911193.6 -1532334.1 -83.27

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -796166.5 -155761.7 -5313.6 -155717.3 -796210.8 -89.52
 586 -755378.0 -140376.5 -4891.6 -139659.4 -756095.1 -88.05
 69 -796227.2 -150209.8 -5476.4 -150163.2 -796273.8 -89.51
 77 -806256.4 -163479.8 -5786.6 -163427.4 -806308.8 -89.48
 596 -796434.1 -161242.2 -5201.8 -161199.4 -796476.9 -89.53
 MIN Cent -1106736.2 -211449.2 -22771.3 -211300.3 -1106885.1 -89.26
 586 -1093370.3 -211573.7 -21012.6 -211445.8 -1093498.3 -89.31
 69 -1104389.4 -214539.8 -24499.3 -214381.6 -1104547.6 -89.24
 77 -1118131.0 -210324.0 -24381.7 -210159.5 -1118295.5 -89.23
 596 -1111053.9 -209359.4 -20895.1 -209225.8 -1111187.5 -89.30

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

MAX Cent 150835.0 3973.4

586 154590.1 4063.1
69 154590.1 3883.6
77 147079.9 3883.6
596 147079.9 4063.1

MIN Cent 6281.7 -1853.0

586 6975.4 -1678.1
69 6975.4 -2027.9
77 5588.0 -2027.9
596 5588.0 -1678.1

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1847 3 3 env SL~1 MAX Cent 3935953.4 4091735.7 472843.9 4492347.5 3535348.4 49.70

69 3711419.7 4027533.4 472843.9 4367345.5 3371607.7 54.25
587 3711419.7 4155938.0 472843.9 4455493.6 3411864.2 57.60
597 4160487.0 4155938.0 472843.9 4630729.0 3686093.2 44.85
77 4160487.0 4027533.4 472843.9 4571222.5 3617239.1 40.99

MIN Cent -1415815.2 -940061.7 -127625.0 -908168.6 -1447708.4 -75.93

69 -1363344.2 -924701.1 -127625.0 -890463.2 -1397582.1 -74.94
587 -1363344.2 -955422.4 -127625.0 -918986.7 -1399779.9 -74.02
597 -1468286.2 -955422.4 -127625.0 -925589.1 -1498119.5 -76.80
77 -1468286.2 -924701.1 -127625.0 -896390.9 -1496596.4 -77.46

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -778663.8 -152492.7 -6499.2 -152424.3 -778732.2 -89.40

69 -796014.8 -150167.4 -5867.8 -150113.2 -796069.0 -89.48
587 -752064.5 -141680.5 -6343.8 -141613.0 -752132.1 -89.40
597 -759269.9 -154368.0 -7123.3 -154278.4 -759359.5 -89.30
77 -806475.5 -163523.6 -6644.5 -163454.6 -806544.6 -89.41

MIN Cent -1087325.6 -207705.8 -29553.5 -207479.3 -1087552.1 -89.08

69 -1103482.6 -214358.4 -27989.0 -214161.7 -1103679.3 -89.15
587 -1059334.6 -206877.1 -30864.0 -206640.1 -1059571.6 -89.04
597 -1067970.0 -199268.4 -30684.3 -199034.8 -1068203.7 -89.06
77 -1119553.4 -210608.5 -27809.4 -210407.9 -1119754.0 -89.15

NODE Vxx Vyy

MAX Cent 79461.2 3602.6

69 87404.3 3883.6
587 87404.3 3409.2
597 71518.2 3409.2
77 71518.2 3883.6

MIN Cent -82430.2 -2381.1

69 -80445.1 -2027.9
587 -80445.1 -2734.2
597 -84415.2 -2734.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

77 -84415.2 -2027.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1848	3	3	env SL~1	MAX Cent	3905738.6	4245367.9	701716.4	4796823.9	3354282.7	51.81
				587	3702935.2	4149895.1	701716.4	4662171.6	3190658.7	53.84
				588	3702935.2	4340840.7	701716.4	4792034.1	3251741.8	57.23
				598	4108542.1	4340840.7	701716.4	4935496.4	3514138.8	49.69
				597	4108542.1	4149895.1	701716.4	4830838.7	3427918.5	45.84
				MIN Cent	-1357780.1	-966417.3	-178651.6	-897293.6	-1426903.9	-68.82
				587	-1312027.9	-943815.4	-178651.6	-871551.5	-1384291.8	-67.95
				588	-1312027.9	-989019.3	-178651.6	-909869.9	-1391177.3	-66.08
				598	-1403532.4	-989019.3	-178651.6	-922805.8	-1469745.8	-69.64
				597	-1403532.4	-943815.4	-178651.6	-882700.5	-1464647.2	-71.09

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-702977.0	-137811.2	-7471.1	-137706.8	-703081.3	-89.22
587	-751315.9	-141530.8	-6629.2	-141456.3	-751390.4	-89.37
588	-647428.4	-121434.0	-7018.4	-121334.4	-647528.0	-89.21
598	-652555.6	-133520.5	-8279.5	-133383.3	-652692.8	-89.07
597	-760530.9	-154620.2	-7890.2	-154512.3	-760638.8	-89.24
MIN Cent	-1012274.3	-192746.9	-34880.2	-192438.0	-1012583.1	-88.89
587	-1057762.8	-206562.8	-33658.4	-206287.4	-1058038.1	-88.97
588	-960245.4	-188844.9	-35671.4	-188522.2	-960568.1	-88.83
598	-960131.3	-189307.8	-35371.2	-187657.4	-960453.7	-87.33
597	-1071053.6	-199885.1	-33358.3	-199618.2	-1071320.6	-89.00

NODE	Vxx	Vyy
MAX Cent	1706.1	3385.7
587	14019.7	3409.2
588	14019.7	3362.3
598	-10607.6	3362.3
597	-10607.6	3409.2
MIN Cent	-174300.8	-3280.8
587	-171179.0	-2734.2
588	-171179.0	-3827.3
598	-177422.7	-3827.3
597	-177422.7	-2734.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1849	3	3	env SL~1	MAX Cent	3847611.5	4452652.2	900339.7	5099301.3	3200962.4	54.29
				588	3684854.6	4329215.2	900339.7	4962652.1	3051417.6	54.85
				589	3684854.6	4576089.2	900339.7	5134453.4	3126490.3	58.17
				599	4010368.5	4576089.2	900339.7	5236351.2	3350141.3	53.72

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

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598 4010368.5 4329215.2 900339.7 5083600.0 3256107.0 50.02
MIN Cent -1293164.9 -1005163.7 -223489.7 -883335.4 -1414993.2 -61.40
588 -1257671.8 -976096.2 -223489.7 -852781.7 -1380986.3 -61.11
589 -1257671.8 -1034231.2 -223489.7 -896131.1 -1395771.9 -58.28
599 -1328658.1 -1034231.2 -223489.7 -913861.7 -1449027.6 -61.69
598 -1328658.1 -976096.2 -223489.7 -867765.5 -1436988.8 -64.14

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -567365.9 -111324.1 -8226.4 -111171.0 -567519.0 -88.95
588 -646200.0 -121188.3 -7190.5 -121084.8 -646303.5 -89.20
589 -482665.7 -89177.8 -7446.5 -89029.8 -482813.7 -88.89
599 -486001.2 -101001.5 -9226.9 -100775.6 -486227.1 -88.61
598 -654596.7 -133928.7 -8956.8 -133770.7 -654754.7 -89.00
MIN Cent -908695.8 -177703.5 -38242.1 -175708.3 -910691.0 -87.01
588 -958071.8 -188410.2 -37519.9 -188055.5 -958426.6 -88.77
589 -880421.5 -170290.4 -38402.4 -168219.8 -882492.2 -86.91
599 -882043.0 -173911.0 -37900.4 -171888.3 -884065.7 -86.95
598 -964969.5 -189888.0 -37017.9 -188086.2 -965309.4 -87.21

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NODE Vxx Vyy
-----
MAX Cent -83301.7 3352.1
588 -66386.4 3362.3
589 -66386.4 3342.0
599 -100217.1 3342.0
598 -100217.1 3362.3
MIN Cent -269967.3 -4621.7
588 -266020.7 -3827.3
589 -266020.7 -5416.1
599 -274041.6 -5416.1
598 -274041.6 -3827.3

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1850 3 3 env SL~1 MAX Cent 3762755.1 4706891.3 1055019.8 5390139.7 3079506.7 57.06
589 3665225.0 4559117.9 1055019.8 5257452.7 2966890.3 56.49
590 3665225.0 4854664.6 1055019.8 5470564.3 3049325.4 59.71
600 3860285.2 4854664.6 1055019.8 5523281.7 3191668.1 57.62
599 3860285.2 4559117.9 1055019.8 5320557.0 3098846.2 54.17
MIN Cent -1222305.4 -1053758.4 -259581.4 -865113.3 -1410950.4 -53.99
589 -1201902.0 -1020059.3 -259581.4 -835936.6 -1386024.7 -54.65
590 -1201902.0 -1087457.5 -259581.4 -878866.1 -1410493.4 -51.22
600 -1242708.7 -1087457.5 -259581.4 -894143.5 -1436022.7 -53.32
599 -1242708.7 -1020059.3 -259581.4 -848938.1 -1413830.0 -56.61

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent -370341.5 -72764.0 -8609.3 -72504.5 -370601.0 -88.31
  589 -481141.4 -88872.9 -7436.8 -88723.4 -481290.9 -88.88
  590 -254451.3 -44123.1 -7586.9 -43838.2 -254736.2 -87.89
  600 -256440.7 -56246.9 -9856.4 -55761.0 -256924.8 -87.16
  599 -488488.5 -101499.0 -9706.3 -101250.1 -488737.4 -88.55
MIN Cent -824655.6 -160607.0 -39075.9 -158315.5 -826947.1 -86.64
  589 -879019.7 -170010.1 -39040.4 -167866.9 -881162.9 -86.86
  590 -777746.1 -152698.9 -38495.9 -150336.9 -780108.1 -86.49
  600 -755256.3 -144896.4 -37681.8 -142578.9 -757573.9 -86.48
  599 -886600.3 -174822.5 -38226.3 -172775.4 -888647.3 -86.93

```

NODE Vxx Vyy

```

-----
MAX Cent -176427.2 3381.3
  589 -154649.6 3342.0
  590 -154649.6 3443.8
  600 -198204.8 3443.8
  599 -198204.8 3342.0
MIN Cent -369929.0 -6506.2
  589 -365738.2 -5416.1
  590 -365738.2 -7596.2
  600 -380428.1 -7596.2
  599 -380428.1 -5416.1

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
1851 3 3 env SL~1 MAX Cent 3652949.3 4983383.4 1148211.1 5644856.2 2991476.5 60.05
  590 3653745.4 4832703.5 1148211.1 5533603.3 2952845.5 58.59
  70 3653745.4 5134063.4 1148211.1 5759711.0 3028097.8 61.41
  78 3652153.2 5134063.4 1148211.1 5759346.5 3026870.1 61.42
  600 3652153.2 4832703.5 1148211.1 5533171.1 2951685.5 58.61
MIN Cent -1146242.0 -1107862.1 -283044.6 -843357.7 -1410746.4 -46.94
  590 -1147461.6 -1072244.8 -283044.6 -824321.0 -1395385.4 -48.78
  70 -1147461.6 -1143479.3 -283044.6 -862418.9 -1428522.0 -45.20
  78 -1145022.5 -1143479.3 -283044.6 -861205.3 -1427296.5 -45.08
  600 -1145022.5 -1072244.8 -283044.6 -823259.5 -1394007.7 -48.66

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

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-----
MAX Cent -99836.2 -19605.2 -8769.6 -18657.8 -100783.6 -83.83
  590 -252889.7 -43810.8 -7557.7 -43524.4 -253176.1 -87.88
  70 57085.9 17477.1 -7640.7 58508.8 16054.2 -10.55
  78 55619.5 4711.3 -10097.3 57549.1 2781.7 -10.82
  600 -258948.7 -56744.8 -10014.3 -56237.7 -259443.4 -87.14
MIN Cent -676884.3 -130553.6 -36877.1 -128075.6 -679362.3 -86.16
  590 -775945.1 -152338.7 -37571.4 -150083.2 -778200.6 -86.56
  70 -611303.1 -124468.3 -35262.6 -121927.4 -613844.0 -85.88
  78 -558864.4 -99277.2 -33799.3 -96804.8 -561336.8 -85.82
  600 -761424.6 -146130.1 -36108.1 -144018.4 -763536.3 -86.65

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	-278477.5	3538.6
590	-251502.6	3443.8
70	-251502.6	3633.4
78	-305452.3	3633.4
600	-305452.3	3443.8
MIN Cent	-474485.5	-9794.2
590	-471041.7	-7596.2
70	-471041.7	-11992.6
78	-494106.3	-11992.6
600	-494106.3	-7596.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1852	3	3	env SL~1	MAX Cent	3535403.3	5312101.5	1195462.5	5913069.4	2934435.4	63.31
				70	3651693.7	5110554.2	1195462.5	5781470.2	2980777.8	60.70
				71	3651693.7	5513648.7	1195462.5	6097801.6	3067540.8	63.96
				79	3419112.8	5513648.7	1195462.5	6055616.8	2877144.7	65.61
				78	3419112.8	5110554.2	1195462.5	5729123.3	2800543.7	62.64
				MIN Cent	-1067958.9	-1166169.9	-295952.8	-817065.4	-1417063.5	-40.29
				70	-1094803.0	-1127822.7	-295952.8	-814899.9	-1407725.8	-43.40
				71	-1094803.0	-1204517.2	-295952.8	-848666.1	-1450654.0	-39.75
				79	-1041114.9	-1204517.2	-295952.8	-815793.0	-1429839.1	-37.28
				78	-1041114.9	-1127822.7	-295952.8	-785357.4	-1383580.2	-40.83

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	248360.3	49220.6	-7786.5	248738.4	48842.5	-2.49
70	58124.6	17684.8	-8135.4	59699.9	16109.5	-10.96
71	441869.1	94424.7	-5101.3	442061.4	94232.4	-1.35
79	439281.5	80352.4	-8381.2	439529.1	80104.7	-1.50
78	54165.9	4420.5	-9390.4	55879.5	2706.9	-10.34
MIN Cent	-459271.9	-86842.5	-29986.2	-84443.6	-461670.8	-85.43
70	-609233.2	-124054.3	-32080.7	-121942.3	-611345.2	-86.23
71	-373280.3	-75599.2	-27608.0	-73060.4	-375819.1	-84.75
79	-288090.4	-46915.4	-28210.7	-43659.5	-291346.3	-83.42
78	-566483.7	-100801.1	-32683.5	-98518.4	-568766.4	-86.00

NODE	Vxx	Vyy

MAX Cent	-390435.6	3796.8
70	-357743.0	3633.4
71	-357743.0	3960.2
79	-423128.2	3960.2
78	-423128.2	3633.4
MIN Cent	-583683.8	-10447.0

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

70 -582472.1 -11992.6
71 -582472.1 -8901.4
79 -616015.4 -8901.4
78 -616015.4 -11992.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1853 3 3 env SL~1 MAX Cent 3375739.5 5354030.7 1303325.0 6000987.7 2728782.5 63.60
71 3507706.6 5481715.9 1303325.0 6129520.4 2859902.1 63.57
5072 3507706.6 5226345.4 1303325.0 5928068.2 2805983.8 61.70
5080 3243772.4 5226345.4 1303325.0 5872456.8 2597661.1 63.63
79 3243772.4 5481715.9 1303325.0 6080452.1 2645036.2 65.32
MIN Cent -985281.2 -1175929.9 -308384.2 -757963.1 -1403247.9 -36.41
71 -1026925.7 -1187981.6 -308384.2 -788869.0 -1426038.3 -37.68
5072 -1026925.7 -1163878.1 -308384.2 -779648.2 -1411155.6 -38.74
5080 -943636.7 -1163878.1 -308384.2 -726438.0 -1381076.8 -35.17
79 -943636.7 -1187981.6 -308384.2 -734240.9 -1397377.4 -34.19

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 670755.4 133058.8 -137.8 670917.8 132896.4 -1.00
71 441483.2 94347.6 -4100.5 441603.7 94227.0 -1.07
5072 900400.5 174570.0 1965.7 900457.9 174512.6 -0.51
5080 900654.2 190656.1 8788.0 900746.1 190470.1 -0.65
79 440483.6 80592.8 2721.7 440667.6 80408.8 -1.29
MIN Cent -165411.7 -27559.2 -21727.2 -24215.8 -168755.0 -81.25
71 -371074.0 -75158.0 -20824.1 -73699.7 -372532.2 -85.99
5072 -65429.2 -42999.3 -13741.4 -36477.2 -71951.3 -64.61
5080 72818.0 56810.2 -10805.7 78261.3 51367.0 -26.74
79 -297961.5 -48889.6 -17888.4 -47611.4 -299239.7 -85.91

NODE Vxx Vyy

MAX Cent -512950.8 787.0
71 -473086.1 3960.2
5072 -473086.1 -2340.2
5080 -552815.6 -2340.2
79 -552815.6 3960.2
MIN Cent -702710.5 -12811.8
71 -700226.8 -8901.4
5072 -700226.8 -20837.6
5080 -745335.8 -20837.6
79 -745335.8 -8901.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1854 3 3 env SL~1 MAX Cent 2558237.7 5420589.8 553389.2 6906031.0 1072796.5 -59.69

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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5073 2629764.5 5959879.9 553389.2 7333042.3 1256596.3 -61.62
74 2629764.5 4881305.4 553389.2 6535058.3 976011.5 -56.95
82 2486710.9 4881305.4 553389.2 6493262.8 874753.4 -57.61
5081 2486710.9 5959879.9 553389.2 7301296.3 1145288.8 -62.17
MIN Cent -1628111.8 -1387470.2 -2543375.4 -942743.0 -2072839.0 51.15
5073 -1620241.5 -1521383.7 -2543375.4 -1016511.5 -2125106.5 47.56
74 -1620241.5 -1253563.9 -2543375.4 -855167.9 -2018637.4 54.19
82 -1635982.2 -1253563.9 -2543375.4 -860510.1 -2029035.9 54.55
5081 -1635982.2 -1521383.7 -2543375.4 -1023624.6 -2133734.1 47.96

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
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MAX Cent 1590587.8 322184.1 29370.4 1591222.2 321549.8 1.28
5073 1745536.8 311166.8 21485.9 1745836.1 310867.6 0.83
74 1351326.6 273971.8 28043.2 1351965.1 273333.3 1.39
82 1398473.4 295698.9 18850.4 1398782.1 295462.0 0.95
5081 1867014.4 422833.3 14031.5 1867132.5 422715.2 0.52
MIN Cent 1221010.7 232968.4 10435.9 1221124.3 232854.8 0.61
5073 1437485.1 248888.4 6671.8 1437614.9 248504.0 0.61
74 933789.9 201486.1 7646.8 934248.6 200494.6 1.45
82 997197.4 129095.8 -8080.5 997269.8 129023.4 -0.52
5081 1514150.3 288864.6 -14022.7 1514308.7 288706.2 -0.65

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NODE Vxx Vyy
-----
MAX Cent 810191.7 17858.3
5073 815099.7 4920.9
74 815099.7 30848.9
82 809418.7 30848.9
5081 809418.7 4920.9
MIN Cent 653705.1 -22760.6
5073 611524.4 -25230.0
74 611524.4 -21411.1
82 695885.8 -21411.1
5081 695885.8 -25230.0

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1855 3 3 env SL~1 MAX Cent 2935833.1 4543656.5 549281.5 6347561.2 1131928.4 -53.98
74 2750467.5 4956824.4 549281.5 6568684.7 1138607.3 -56.99
75 2750467.5 4130488.6 549281.5 6015462.9 865493.2 -52.77
83 3121198.6 4130488.6 549281.5 6157463.4 1094223.8 -50.75
82 3121198.6 4956824.4 549281.5 6684160.5 1393862.6 -55.15
MIN Cent -1669440.0 -1157277.9 -2482296.9 -808114.5 -2018603.4 57.52
74 -1596782.6 -1261829.5 -2482296.9 -855902.4 -2002709.7 53.49
75 -1596782.6 -1052726.4 -2482296.9 -712592.2 -1936916.7 58.19
83 -1742097.4 -1052726.4 -2482296.9 -749684.0 -2045139.8 61.08
82 -1742097.4 -1261829.5 -2482296.9 -903291.9 -2100635.0 56.82

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	1169050.0	237226.3	31938.3	1169945.9	236330.4	1.78
74	1353299.1	274366.3	27689.2	1353939.4	273726.0	1.40
75	968113.6	197231.5	30001.6	969094.7	196250.4	2.04
83	974424.5	200164.9	38906.5	975762.1	198827.3	2.38
82	1380362.7	297737.6	36594.1	1381232.1	297724.4	1.61
MIN Cent	720284.4	134014.3	10584.7	720484.8	133813.9	1.06
74	946811.4	202431.9	-127.2	946811.4	201469.9	0.01
75	489225.7	115015.0	1328.5	489232.8	113081.5	0.25
83	510753.6	75462.3	2739.9	513248.8	72967.1	4.32
82	934346.7	116525.6	2834.6	935562.0	115310.4	2.21

NODE	Vxx	Vyy

MAX Cent	705471.9	22219.9
74	722156.7	30848.9
75	722156.7	13605.8
83	691822.0	13605.8
82	691822.0	30848.9
MIN Cent	601056.6	-16913.9
74	584625.7	-21411.1
75	584625.7	-12426.1
83	617487.4	-12426.1
82	617487.4	-21411.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1856	3	3	env SL~1	MAX Cent	3188050.6	3848184.1	491374.3	5765496.7	1270738.0	-49.22
				75	2965469.4	4180932.1	491374.3	5877784.7	1268616.8	-52.65
				591	2965469.4	3515436.1	491374.3	5480404.9	1000500.6	-48.53
				601	3410631.8	3515436.1	491374.3	5686660.7	1239407.3	-45.68
				83	3410631.8	4180932.1	491374.3	6051909.2	1539654.7	-49.91
				MIN Cent	-1677931.7	-971979.2	-2224237.3	-720485.2	-1929425.7	62.86
				75	-1598183.7	-1054424.7	-2224237.3	-765313.5	-1887294.9	59.49
				591	-1598183.7	-889533.7	-2224237.3	-638599.9	-1849117.6	62.92
				601	-1757679.6	-889533.7	-2224237.3	-668464.4	-1978749.0	65.75
				83	-1757679.6	-1054424.7	-2224237.3	-802368.5	-2009735.8	62.81

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	783490.5	161205.1	33786.2	784767.4	159928.1	2.59
75	970886.3	197786.0	31575.4	971871.1	196801.2	2.04
591	611544.1	131324.5	31340.0	613006.0	129862.6	3.15
601	595255.5	119174.8	34624.5	596761.8	117668.4	3.21
83	956275.9	196535.2	34859.9	957298.8	195512.3	2.10
MIN Cent	292130.8	59377.3	8671.8	292853.5	58654.6	3.18
75	497911.4	115954.8	4912.4	497984.3	113831.1	0.80

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

591	102483.1	42529.8	4280.4	102826.6	41551.8	4.32
601	103502.6	8654.8	2427.7	108929.7	3336.1	13.16
83	463638.4	66039.2	2967.1	465080.6	64597.0	3.44

NODE Vxx Vyy

MAX Cent 602195.7 11795.8

75 627489.7 13605.8

591 627489.7 10011.4

601 588247.8 10011.4

83 588247.8 13605.8

MIN Cent 546743.4 -9963.3

75 547139.9 -12426.1

591 547139.9 -7500.5

601 546346.8 -7500.5

83 546346.8 -12426.1

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1857 3 3 env SL~1 MAX Cent 3352968.6 3299346.4 413679.3 5215430.3 1436884.8 -44.59

591 3179843.3 3548464.5 413679.3 5262181.8 1466081.2 -47.79

592 3179843.3 3050273.1 413679.3 5005251.3 1224865.1 -44.02

602 3526094.0 3050273.1 413679.3 5192188.3 1384178.8 -41.41

601 3526094.0 3548464.5 413679.3 5426372.3 1648141.4 -45.17

MIN Cent -1664124.1 -826282.3 -1890140.1 -656821.1 -1833585.3 67.70

591 -1599154.6 -886828.2 -1890140.1 -697462.7 -1788464.1 65.38

592 -1599154.6 -765792.5 -1890140.1 -595684.0 -1769263.0 67.62

602 -1729093.5 -765792.5 -1890140.1 -612867.5 -1882018.5 69.69

601 -1729093.5 -886828.2 -1890140.1 -717954.0 -1897911.8 67.77

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 433061.8 91183.6 30883.4 434691.3 89554.2 3.94

591 615963.5 132208.3 30627.7 617203.3 130968.4 2.89

592 285140.5 67977.9 28772.7 287373.0 65745.4 5.76

602 256170.6 49430.0 30814.4 258514.8 47085.9 6.04

601 574972.6 115118.2 32669.4 576277.4 113813.5 3.04

MIN Cent -79251.2 -7497.3 6438.2 -5982.9 -80765.7 81.82

591 110501.3 44107.1 5961.2 111074.8 43051.3 5.29

592 -241961.7 -26677.5 4410.2 -26578.0 -242061.2 88.77

602 -249683.3 -49351.1 2651.5 -47852.5 -251181.9 85.08

601 64138.8 904.8 3407.2 69448.0 -4214.8 15.65

NODE Vxx Vyy

MAX Cent 507431.9 8303.9

591 534849.5 10011.4

592 534849.5 6596.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

602 493635.6 6596.5
601 493635.6 10011.4
MIN Cent 475630.3 -6190.1
591 485791.6 -7500.5
592 485791.6 -4879.6
602 457661.4 -4879.6
601 457661.4 -7500.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1858 3 3 env SL~1 MAX Cent 3463730.0 2887343.1 328264.1 4726740.7 1624290.9 -39.65
592 3370345.9 3072549.0 328264.1 4752862.2 1689909.0 -42.21
593 3370345.9 2702215.4 328264.1 4596660.3 1475863.3 -38.82
603 3557114.1 2702215.4 328264.1 4712668.5 1546623.4 -37.17
602 3557114.1 3072549.0 328264.1 4858130.4 1771409.1 -40.48
MIN Cent -1636522.5 -716415.5 -1525125.0 -611540.1 -1741397.9 72.26
592 -1593662.2 -760402.4 -1525125.0 -646750.0 -1707184.3 70.90
593 -1593662.2 -672558.9 -1525125.0 -567775.8 -1698445.2 72.28
603 -1679382.8 -672558.9 -1525125.0 -575205.4 -1776736.2 73.46
602 -1679382.8 -760402.4 -1525125.0 -655304.1 -1784350.8 72.25

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 117896.1 28360.0 25734.9 121187.0 25069.2 10.66
592 290544.8 69058.8 26293.3 292108.9 67494.7 4.79
593 -8048.0 9715.5 23336.7 18663.2 -16995.8 59.94
603 -45263.7 -10400.5 25354.5 -3892.7 -51771.6 68.37
602 234351.5 45066.2 28311.2 236365.2 43052.5 5.86
MIN Cent -396375.1 -66041.7 4290.2 -65884.1 -396532.7 88.75
592 -234678.7 -25220.9 4351.0 -25122.7 -234776.9 88.76
593 -527751.4 -84837.4 2392.9 -84822.5 -527766.2 89.67
603 -540017.2 -98083.2 2554.5 -97753.9 -540346.5 88.44
602 -283053.2 -56025.1 3461.0 -55160.1 -283918.3 86.47

NODE Vxx Vyy

MAX Cent 438950.1 5136.1
592 453339.9 6596.5
593 453339.9 3675.8
603 424560.3 3675.8
602 424560.3 6596.5
MIN Cent 395889.1 -4387.1
592 408694.2 -4879.6
593 408694.2 -3894.6
603 376771.8 -3894.6
602 376771.8 -4879.6

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1859	3	3	env SL~1	MAX Cent	3540944.6	2587091.4	240576.4	4308258.9	1819857.6	-33.73
				593	3528054.0	2717848.3	240576.4	4341477.0	1904351.7	-35.29
				594	3528054.0	2456376.0	240576.4	4260194.2	1724215.5	-32.50
				604	3554238.1	2456376.0	240576.4	4278685.7	1731834.9	-32.23
				603	3554238.1	2717848.3	240576.4	4358720.4	1913138.4	-35.00
				MIN Cent	-1600388.1	-635422.5	-1149804.2	-578844.4	-1657026.6	76.76
				593	-1579974.2	-665524.5	-1149804.2	-606101.7	-1639397.0	76.12
				594	-1579974.2	-605389.6	-1149804.2	-549344.1	-1636115.6	76.87
				604	-1621305.6	-605389.6	-1149804.2	-551426.5	-1675268.7	77.34
				603	-1621305.6	-665524.5	-1149804.2	-608364.3	-1678300.4	76.63

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-161160.7	-26799.7	18976.2	-26026.0	-161934.4	85.67
593	-2379.6	10849.2	20011.3	17446.7	-8977.1	60.02
594	-265970.9	-42422.8	16280.0	-42160.2	-266233.4	88.04
604	-309066.8	-60832.3	18449.4	-60454.6	-309444.5	87.77
603	-67225.6	-14792.9	22180.7	-11538.6	-70479.9	76.41
MIN Cent	-654492.4	-113964.4	2190.1	-113942.3	-654514.5	89.63
593	-521427.6	-83572.6	1648.6	-83565.2	-521435.0	89.76
594	-756525.6	-131874.9	-506.3	-131874.7	-756525.8	-89.97
604	-772135.0	-136753.9	1756.6	-136676.6	-772212.3	89.37
603	-567881.6	-103656.1	2794.9	-103474.7	-568063.1	88.87

NODE	Vxx	Vyy
MAX Cent	383867.8	3243.3
593	399918.8	3675.8
594	399918.8	2827.1
604	367816.8	2827.1
603	367816.8	3675.8
MIN Cent	318383.5	-3880.7
593	331162.2	-3894.6
594	331162.2	-3866.7
604	300715.1	-3866.7
603	300715.1	-3894.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1860	3	3	env SL~1	MAX Cent	3600591.8	2384033.1	153054.3	3975673.4	2008826.9	-25.89
				594	3652269.8	2468271.4	153054.3	4033649.2	2086780.8	-26.28
				76	3652269.8	2299794.8	153054.3	4002819.2	1949109.6	-24.40
				84	3548913.8	2299794.8	153054.3	3917866.4	1930706.4	-25.52
				604	3548913.8	2468271.4	153054.3	3951430.4	2065641.4	-27.52
				MIN Cent	-1561071.7	-579015.7	-773410.4	-555748.5	-1584339.0	81.35
				594	-1558540.1	-597458.8	-773410.4	-573707.4	-1582291.4	81.17

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

76 -1558540.1 -560572.7 -773410.4 -537660.1 -1581452.8 81.48
 84 -1563603.4 -560572.7 -773410.4 -537770.7 -1586405.4 81.52
 604 -1563603.4 -597458.8 -773410.4 -573826.1 -1587236.1 81.22

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-402740.0	-74073.8	11114.5	-74057.8	-402755.9	89.60
594	-260661.8	-41361.0	12518.1	-41306.2	-260716.6	89.09
76	-486738.6	-87546.7	8263.4	-87545.6	-486739.7	-89.91
84	-533986.4	-102454.0	10322.6	-102444.1	-533996.3	89.73
604	-329573.0	-64933.5	14577.3	-64788.7	-329717.9	88.66
MIN Cent	-855901.0	-151421.8	-731.8	-151421.5	-855901.3	-89.96
594	-751437.1	-130857.2	-1491.4	-130854.3	-751440.0	-89.88
76	-929583.9	-167668.1	-3914.3	-167650.9	-929601.1	-89.73
84	-948420.8	-166002.4	41.6	-165997.9	-948425.4	89.86
604	-794162.1	-141159.4	1355.9	-141132.8	-794188.7	89.63

NODE	Vxx	Vyy

MAX Cent	327089.4	2201.6
594	342845.3	2827.1
76	342845.3	1576.0
84	311333.5	1576.0
604	311333.5	2827.1
MIN Cent	242096.6	-4085.5
594	253150.9	-3866.7
76	253150.9	-4304.3
84	228475.8	-4304.3
604	228475.8	-3866.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1861	3	3	env SL~1	MAX Cent	3650607.7	2267483.3	66389.3	3756882.0	2161060.6	-14.96
				76	3742999.5	2309803.7	66389.3	3846068.4	2206626.9	-14.53
				595	3742999.5	2225162.9	66389.3	3840988.0	2127064.1	-13.84
				605	3558215.9	2225162.9	66389.3	3667924.7	2115298.8	-15.42
				84	3558215.9	2309803.7	66389.3	3674224.3	2193653.9	-16.26
				MIN Cent	-1519196.9	-544049.5	-398704.1	-539578.0	-1523668.4	86.13
				76	-1528583.8	-552197.8	-398704.1	-547731.9	-1533049.7	86.14
				595	-1528583.8	-535901.2	-398704.1	-531508.0	-1532977.0	86.20
				605	-1509810.0	-535901.2	-398704.1	-531424.1	-1514287.1	86.13
				84	-1509810.0	-552197.8	-398704.1	-547645.2	-1514362.6	86.07

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-604998.4	-113295.3	2560.6	-113221.8	-605071.9	-89.30
76	-482260.6	-86651.1	4318.7	-86593.0	-482318.8	-89.31
595	-668285.8	-124967.2	-230.8	-124815.1	-668438.0	-89.04

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

605 -717917.1 -132143.7 1358.1 -132141.6 -717983.2 -89.90
84 -551530.3 -105962.7 5907.6 -105954.5 -551538.4 -89.75
MIN Cent -1001842.4 -178632.1 -6010.2 -178607.7 -1001866.8 -89.69
76 -925951.6 -166941.6 -5069.4 -166914.1 -925979.2 -89.65
595 -1047620.2 -192170.2 -9092.3 -192114.7 -1047675.7 -89.54
605 -1069769.5 -186292.6 -6207.5 -186279.7 -1069782.4 -89.78
84 -964028.4 -169123.9 -1911.3 -169122.5 -964029.8 -89.92

```

```

NODE Vxx Vyy
-----
MAX Cent 267855.4 890.0
76 282008.4 1576.0
595 282008.4 204.0
605 253702.5 204.0
84 253702.5 1576.0
MIN Cent 165960.3 -4590.7
76 174228.2 -4304.3
595 174228.2 -4877.1
605 157692.4 -4877.1
84 157692.4 -4304.3

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1862 3 3 env SL~1 MAX Cent 3696205.8 2231723.1 -17365.2 3696621.2 2231295.8 -0.96
595 3801462.1 2234287.6 -17365.2 3801850.3 2233888.4 -0.90
596 3801462.1 2229158.6 -17365.2 3801849.0 2228760.7 -0.90
606 3590949.6 2229158.6 -17365.2 3591396.2 2228698.9 -1.04
605 3590949.6 2234287.6 -17365.2 3591397.9 2233826.2 -1.04
MIN Cent -1476054.9 -528669.9 -34528.0 -528258.9 -1476465.9 -88.81
595 -1490560.5 -527272.8 -34528.0 -526868.6 -1490964.8 -88.83
596 -1490560.5 -530067.1 -34528.0 -529661.6 -1490965.9 -88.82
606 -1461549.3 -530067.1 -34528.0 -529649.0 -1461967.3 -88.79
605 -1461549.3 -527272.8 -34528.0 -526856.0 -1461966.1 -88.79

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -765596.8 -144239.3 -3631.6 -143908.4 -765927.6 -88.68
595 -664972.6 -124304.6 -3322.9 -123993.0 -665284.2 -88.63
596 -796697.8 -154059.6 -4627.7 -153605.1 -796731.5 -88.49
606 -807590.3 -143685.4 -3543.9 -143666.2 -807609.5 -89.69
605 -731194.7 -133619.0 -2239.0 -133610.6 -731380.6 -89.79
MIN Cent -1092621.2 -195731.7 -14341.5 -195651.9 -1092701.0 -89.46
595 -1045595.8 -191765.3 -12982.7 -191695.4 -1045665.8 -89.48
596 -1110550.1 -205286.1 -17247.7 -205175.0 -1110661.2 -89.37
606 -1135964.2 -197861.8 -14768.0 -197780.6 -1136045.4 -89.47
605 -1078374.9 -188013.6 -10503.0 -187967.2 -1078421.3 -89.59

```

```

NODE Vxx Vyy

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

-----
MAX Cent 205294.3 -432.9
  595 216973.2  204.0
  596 216973.2 -1069.9
  606 193615.4 -1069.9
  605 193615.4  204.0
MIN Cent 88183.9 -5136.0
  595 93137.2 -4877.1
  596 93137.2 -5394.8
  606 83230.6 -5394.8
  605 83230.6 -4877.1

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1863 3 3 env SL~1 MAX Cent 3738999.9 2275234.9 348398.3 3817684.9 2196793.5 12.73
  596 3828060.2 2237721.8 348398.3 3901008.1 2165033.1 11.83
  77 3828060.2 2312747.9 348398.3 3904296.7 2236731.9 12.35
  85 3649960.9 2312747.9 348398.3 3735278.3 2227629.4 13.76
  606 3649960.9 2237721.8 348398.3 3731224.5 2156699.9 13.13
MIN Cent -1432079.9 -532066.2 -105668.2 -519934.0 -1444212.2 -83.42
  596 -1444744.1 -521272.1 -105668.2 -509440.2 -1456575.9 -83.58
  77 -1444744.1 -542860.3 -105668.2 -530752.6 -1456851.8 -83.43
  85 -1419415.7 -542860.3 -105668.2 -530412.3 -1431863.8 -83.25
  606 -1419415.7 -521272.1 -105668.2 -509115.2 -1431572.6 -83.41

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -807514.7 -152129.2 -5871.8 -152076.2 -807567.6 -89.49
  596 -795891.1 -153675.0 -5405.1 -153017.2 -795937.2 -88.18
  77 -805755.1 -160973.0 -6657.1 -160904.0 -805824.0 -89.41
  85 -817875.1 -144741.5 -6038.1 -144686.8 -817929.8 -89.48
  606 -810537.4 -144274.9 -4786.2 -144240.1 -810572.2 -89.59
MIN Cent -1127640.2 -202704.4 -22314.9 -202541.1 -1127803.5 -89.24
  596 -1110226.3 -205221.4 -20728.8 -205095.3 -1110352.4 -89.32
  77 -1117430.0 -206819.0 -24735.8 -206636.7 -1117612.3 -89.19
  85 -1145816.1 -200690.7 -23154.9 -200482.0 -1146024.8 -89.15
  606 -1137088.3 -198086.6 -19147.9 -197937.3 -1137237.6 -89.28

```

```

NODE Vxx Vyy
-----
MAX Cent 138416.7 -1583.7
  596 147079.9 -1069.9
  77 147079.9 -1974.8
  85 129753.5 -1974.8
  606 129753.5 -1069.9
MIN Cent 4363.7 -5592.9
  596 5588.0 -5394.8
  77 5588.0 -5791.0
  85 3139.3 -5791.0

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

606 3139.3 -5394.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1864	3	3	env SL~1	MAX Cent	3777438.5	2400868.6	722850.7	4087151.7	2091531.2	23.20
				77	3822313.5	2320459.3	722850.7	4113453.9	2029649.5	21.95
				597	3822313.5	2481277.8	722850.7	4137504.9	2166443.7	23.57
				607	3732705.6	2481277.8	722850.7	4062908.9	2151327.6	24.55
				85	3732705.6	2320459.3	722850.7	4036965.6	2016458.5	22.83
				MIN Cent	-1386905.2	-554427.6	-190767.4	-512873.0	-1428459.8	-77.70
				77	-1391159.4	-533825.4	-190767.4	-493370.4	-1431614.3	-78.02
				597	-1391159.4	-575029.8	-190767.4	-532720.4	-1433468.7	-77.48
				607	-1382651.1	-575029.8	-190767.4	-532317.1	-1425363.8	-77.37
				85	-1382651.1	-533825.4	-190767.4	-493000.3	-1423476.1	-77.91

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-788407.2	-148119.5	-7935.5	-148020.8	-788506.0	-89.29
77	-805974.2	-161016.8	-7393.3	-160931.7	-806059.3	-89.34
597	-758835.8	-152197.7	-8507.7	-152073.2	-758960.3	-89.18
607	-770463.7	-134352.3	-8245.2	-134240.7	-770575.2	-89.24
85	-816214.5	-144409.4	-7130.8	-144333.2	-816290.7	-89.39
MIN Cent	-1105391.4	-199352.0	-29478.6	-199075.4	-1105668.0	-89.00
77	-1118852.4	-207103.5	-27631.5	-206910.0	-1119045.9	-89.17
597	-1067424.7	-196541.6	-31122.0	-196280.4	-1067685.9	-89.01
607	-1098853.1	-195040.7	-30826.2	-194643.6	-1099250.2	-88.80
85	-1139111.4	-199349.7	-27335.7	-199037.5	-1139423.6	-88.96

NODE	Vxx	Vyy
MAX Cent	66125.9	-2002.6
77	71518.2	-1974.8
597	71518.2	-1961.6
607	60733.7	-1961.6
85	60733.7	-1974.8
MIN Cent	-82052.4	-5954.1
77	-84415.2	-5791.0
597	-84415.2	-6117.3
607	-79689.6	-6117.3
85	-79689.6	-5791.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1865	3	3	env SL~1	MAX Cent	3806291.2	2615794.1	1098991.4	4460809.8	1961672.7	30.78
				597	3782627.3	2487055.2	1098991.4	4410282.4	1859752.2	29.74
				598	3782627.3	2744533.0	1098991.4	4478723.6	2048822.9	32.36
				608	3830202.1	2744533.0	1098991.4	4513036.8	2061865.8	31.85

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

607 3830202.1 2487055.2 1098991.4 4446500.0 1870955.4 29.28
MIN Cent -1339338.2 -596971.2 -275966.0 -505624.2 -1430685.2 -71.69
597 -1329643.1 -565516.4 -275966.0 -476273.4 -1418886.1 -72.08
598 -1329643.1 -628425.9 -275966.0 -532846.6 -1425222.4 -70.90
608 -1349033.2 -628425.9 -275966.0 -534883.8 -1442575.3 -71.28
607 -1349033.2 -565516.4 -275966.0 -478075.5 -1436474.0 -72.42

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

MAX Cent -709711.9 -132206.5 -9704.4 -132040.0 -709878.4 -89.03
597 -760096.9 -152449.9 -9298.4 -152303.3 -760243.5 -89.11
598 -652149.5 -131489.8 -10190.4 -131286.8 -652352.5 -88.87
608 -662306.2 -111767.7 -9837.0 -111589.2 -662484.7 -88.97
607 -764294.8 -133118.5 -8945.1 -132988.2 -764425.1 -89.18
MIN Cent -1026829.6 -186029.1 -35311.7 -185609.8 -1027248.9 -88.72
597 -1070508.3 -197158.3 -33227.0 -196895.0 -1070771.6 -89.01
598 -959892.7 -184650.3 -35906.0 -182958.0 -960257.8 -87.30
608 -992554.1 -180482.3 -37169.0 -179444.0 -993249.5 -88.32
607 -1084363.3 -192142.7 -34489.9 -191600.0 -1084906.0 -88.59

```

```

NODE Vxx Vyy

```

```

MAX Cent -12763.0 -1014.7
597 -10607.6 -1961.6
598 -10607.6 -55.6
608 -14918.4 -55.6
607 -14918.4 -1961.6
MIN Cent -172019.9 -6333.4
597 -177422.7 -6117.3
598 -177422.7 -6549.6
608 -166617.2 -6549.6
607 -166617.2 -6117.3

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

1866 3 3 env SL~1 MAX Cent 3815206.2 2932434.5 1474482.7 4912858.7 1835128.0 36.67
598 3706324.9 2746323.4 1474482.7 4776641.3 1676305.3 35.98
599 3706324.9 3118545.6 1474482.7 4915616.5 1909595.0 39.36
609 3924440.5 3118545.6 1474482.7 5049957.5 1993048.6 37.36
608 3924440.5 2746323.4 1474482.7 4923087.7 1747747.5 34.11
MIN Cent -1287219.2 -661904.2 -360775.9 -497158.4 -1451965.1 -65.46
598 -1260006.2 -618002.2 -360775.9 -456094.7 -1421913.7 -65.83
599 -1260006.2 -705806.3 -360775.9 -527995.7 -1437816.8 -63.76
609 -1314432.2 -705806.3 -360775.9 -538138.7 -1482099.8 -65.07
608 -1314432.2 -618002.2 -360775.9 -464806.2 -1467628.1 -66.99

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent -571237.6 -104157.7 -11076.6 -103894.3 -571500.9 -88.64
598 -654190.6 -131898.0 -11129.0 -131658.5 -654430.1 -88.77
599 -485626.1 -99126.3 -11709.5 -98770.4 -485982.1 -88.26
609 -492354.8 -75744.2 -10475.2 -75480.2 -492618.8 -88.56
608 -652778.7 -109862.2 -9919.0 -109680.2 -652960.7 -88.95
MIN Cent -924160.6 -175804.4 -39215.7 -173755.0 -926210.0 -87.01
598 -964731.0 -185230.5 -36953.6 -183443.6 -965071.5 -87.23
599 -881925.0 -173320.7 -38482.7 -171236.9 -884008.8 -86.90
609 -901121.5 -166562.9 -41516.4 -164223.9 -903460.5 -86.78
608 -969730.9 -178103.5 -39987.3 -176079.1 -970632.4 -87.10

```

NODE Vxx Vyy

```

-----
MAX Cent -99498.1 1363.6
598 -100217.1 -55.6
599 -100217.1 2782.7
609 -98779.2 2782.7
608 -98779.2 -55.6
MIN Cent -266521.3 -6975.4
598 -274041.6 -6549.6
599 -274041.6 -7401.2
609 -259128.5 -7401.2
608 -259128.5 -6549.6

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
1867 3 3 env SL~1 MAX Cent 3788641.3 3366555.7 1841377.0 5430928.3 1724513.7 41.73
599 3592218.1 3113242.3 1841377.0 5209242.8 1496409.3 41.30
600 3592218.1 3619869.1 1841377.0 5447128.8 1765184.0 45.22
610 3985537.6 3619869.1 1841377.0 5653037.7 1952179.7 42.16
609 3985537.6 3113242.3 1841377.0 5441621.6 1657056.6 38.34
MIN Cent -1227241.5 -752816.1 -443153.0 -487381.4 -1492676.3 -59.08
599 -1182520.3 -693810.8 -443153.0 -432108.4 -1444222.7 -59.44
600 -1182520.3 -811821.4 -443153.0 -516817.9 -1477523.9 -56.35
610 -1271962.8 -811821.4 -443153.0 -542575.5 -1541208.8 -58.72
609 -1271962.8 -693810.8 -443153.0 -453784.2 -1511989.4 -61.56

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent -370789.6 -63122.1 -11874.6 -62660.1 -371251.6 -87.78
599 -488113.5 -99623.8 -12790.9 -99199.7 -488537.6 -88.11
600 -256135.6 -54708.1 -12963.4 -53858.5 -256982.5 -86.29
610 -257293.1 -23376.3 -9909.7 -22949.9 -257719.6 -87.56
609 -481043.7 -73481.9 -9737.2 -73247.7 -481277.9 -88.63
MIN Cent -820219.5 -156814.7 -40470.6 -154354.9 -822679.3 -86.52
599 -886482.2 -174232.2 -38088.5 -172201.1 -888513.2 -86.95
600 -756169.7 -149463.4 -38073.3 -147083.5 -758549.7 -86.42
610 -756027.3 -140784.7 -43245.6 -137759.8 -759052.2 -86.00
609 -882198.8 -162778.4 -43260.8 -160186.3 -884790.8 -86.57

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	-195369.9	4860.3
599	-198204.8	2782.7
600	-198204.8	6938.0
610	-192535.0	6938.0
609	-192535.0	2782.7
MIN Cent	-366438.3	-8259.8
599	-380428.1	-7401.2
600	-380428.1	-9118.4
610	-358756.9	-9118.4
609	-358756.9	-7401.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1868	3	3	env SL~1	MAX Cent	3705560.5	3950651.5	2183204.6	6014676.1	1641686.6	46.61
				600	3445606.8	3603263.8	2183204.6	5708651.2	1340262.6	46.04
				78	3445606.8	4298039.2	2183204.6	6095971.3	1647849.8	50.53
				86	3966123.4	4298039.2	2183204.6	6321561.9	1942558.7	47.17
				610	3966123.4	3603263.8	2183204.6	5975319.7	1593840.4	42.62
				MIN Cent	-1154509.9	-874762.5	-519370.0	-476760.9	-1552511.5	-52.54
				600	-1098402.5	-797275.1	-519370.0	-407085.0	-1488592.6	-53.08
				78	-1098402.5	-952249.9	-519370.0	-500840.4	-1549812.0	-49.00
				86	-1210617.2	-952249.9	-519370.0	-546238.6	-1616628.5	-51.98
				610	-1210617.2	-797275.1	-519370.0	-444966.6	-1562925.7	-55.85

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-96347.8	-5758.4	-12216.7	-4095.2	-98010.9	-82.35
600	-258642.1	-55197.2	-12494.4	-54201.8	-259636.4	-86.01
78	55599.6	4611.8	-11653.1	59216.6	994.9	-14.43
86	63507.7	48666.7	-8401.9	67369.9	44804.5	-24.44
610	-245854.9	-21088.7	-8615.1	-20753.1	-246190.5	-87.79
MIN Cent	-647313.2	-125155.7	-39142.0	-122356.6	-650112.3	-85.82
600	-762338.0	-150697.1	-36026.6	-148644.7	-764390.4	-86.69
78	-561615.1	-113030.7	-35041.5	-110548.3	-564097.6	-85.76
86	-535023.5	-101260.6	-41768.2	-97302.4	-538981.7	-84.57
610	-730276.1	-135634.5	-43651.6	-132447.2	-733463.4	-85.82

NODE	Vxx	Vyy

MAX Cent	-301648.3	9465.3
600	-305452.3	6938.0
78	-305452.3	11996.8
86	-297844.3	11996.8
610	-297844.3	6938.0
MIN Cent	-472502.4	-10691.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

600 -494106.3 -9118.4
78 -494106.3 -12264.9
86 -467075.4 -12264.9
610 -467075.4 -9118.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1869 3 3 env SL~1 MAX Cent 3523863.2 4630720.4 2442894.4 6581911.7 1572600.3 51.38
78 3282836.6 4261721.8 2442894.4 6263412.0 1281146.5 50.67
79 3282836.6 4999719.0 2442894.4 6730314.2 1552241.4 54.68
87 3765724.5 4999719.0 2442894.4 6902004.0 1862918.1 52.08
86 3765724.5 4261721.8 2442894.4 6469138.2 1558244.0 47.90
MIN Cent -1060987.0 -1023796.8 -577710.7 -464382.1 -1620401.7 -45.92
78 -1012640.2 -933545.3 -577710.7 -394030.1 -1552155.5 -46.96
79 -1012640.2 -1114048.3 -577710.7 -483412.8 -1643275.7 -42.49
87 -1109333.8 -1114048.3 -577710.7 -533975.5 -1689406.5 -44.88
86 -1109333.8 -933545.3 -577710.7 -437080.9 -1605798.2 -49.33

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 255580.6 67297.9 -12083.6 256382.7 66495.8 -3.73
78 54146.0 4321.1 -6564.8 58016.7 450.3 -15.03
79 438442.5 76157.3 -3397.7 438969.4 75639.4 -2.18
87 458888.8 138579.2 -7029.7 459050.3 138417.6 -1.29
86 70845.0 50134.2 -7628.0 73445.3 47533.9 -18.47
MIN Cent -398467.1 -80278.5 -33801.9 -77400.7 -401344.9 -84.59
78 -569234.4 -114554.6 -31873.9 -112724.4 -571064.5 -86.38
79 -288163.1 -47279.1 -28213.5 -44847.7 -290594.5 -84.29
87 -233560.5 -64442.5 -40998.7 -56097.6 -241905.4 -77.76
86 -502910.3 -94837.9 -44659.0 -90342.9 -507405.4 -84.04

NODE Vxx Vyy

MAX Cent -419692.9 23088.6
78 -423128.2 11996.8
79 -423128.2 34180.4
87 -416257.6 34180.4
86 -416257.6 11996.8
MIN Cent -592394.7 -14554.8
78 -616015.4 -12264.9
79 -616015.4 -16844.6
87 -585568.4 -16844.6
86 -585568.4 -12264.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1870 3 3 env SL~1 MAX Cent 3239628.1 5582330.6 2449754.6 7126331.0 1695595.1 57.78

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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79 3289432.4 4942874.0 2449754.6 6701644.4 1530662.0 54.32
5080 3289432.4 6222245.5 2449754.6 7610733.2 1900618.8 60.46
5088 3190633.8 6222245.5 2449754.6 7587214.7 1825664.6 60.87
87 3190633.8 4942874.0 2449754.6 6668092.7 1464891.6 54.84
MIN Cent -942311.6 -1227847.8 -590888.6 -477188.2 -1692971.2 -38.21
79 -954020.3 -1090313.2 -590888.6 -427361.5 -1616972.0 -41.71
5080 -954020.3 -1365382.4 -590888.6 -534038.5 -1785364.2 -35.40
5088 -930602.9 -1365382.4 -590888.6 -518383.5 -1777601.8 -34.90
87 -930602.9 -1090313.2 -590888.6 -414197.9 -1606718.2 -41.15

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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MAX Cent 680720.4 152528.8 -11288.7 680973.6 152275.7 -1.25
79 439644.6 76397.8 -7635.7 439814.3 76228.0 -1.24
5080 895793.7 158422.9 -6754.2 895859.1 158357.5 -0.54
5088 929868.9 236978.5 13682.0 930099.7 236747.6 -1.05
87 457574.4 138316.3 6398.2 458149.2 137741.5 -2.43
MIN Cent -66379.9 -15019.6 -28560.1 -6452.0 -74947.5 -69.29
79 -298034.3 -49253.3 -27747.9 -47068.4 -300219.2 -84.67
5080 58752.4 -13518.0 -20311.7 62059.1 -16824.8 -11.81
5088 168825.2 59435.8 -12955.5 169263.1 58997.9 -3.61
87 -195062.8 -56742.9 -18415.7 -55230.4 -196575.3 -84.06

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NODE Vxx Vyy

```

MAX Cent -545710.6 19615.3
79 -552815.6 34180.4
5080 -552815.6 5122.7
5088 -538605.6 5122.7
87 -538605.6 34180.4
MIN Cent -720730.1 -18780.5
79 -745335.8 -16844.6
5080 -745335.8 -22500.0
5088 -718335.2 -22500.0
87 -718335.2 -16844.6

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1871 3 3 env SL~1 MAX Cent 3518173.0 2847387.8 814406.8 6626751.9 -261191.1 -42.21
5081 1972070.5 3286810.7 814406.8 6119510.4 -718642.6 -50.43
82 1972070.5 2407964.9 814406.8 5624541.3 -794721.7 -46.82
90 5064275.4 2407964.9 814406.8 7412048.3 60192.0 -34.41
5089 5064275.4 3286810.7 814406.8 7716488.8 634597.3 -37.73
MIN Cent -1880710.3 -744500.6 -3428342.9 -320380.7 -2304830.2 62.46
5081 -1507388.3 -864532.5 -3428342.9 -311270.3 -2060650.4 55.78
82 -1507388.3 -624468.7 -3428342.9 -140372.7 -1991484.3 59.24
90 -2254032.4 -624468.7 -3428342.9 -287887.8 -2590613.3 67.52
5089 -2254032.4 -864532.5 -3428342.9 -489495.4 -2629069.5 65.25

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	1570548.3	201549.3	175914.6	1573405.6	200730.9	2.60
5081	1848041.2	463636.8	142591.8	1849157.1	462018.3	1.55
82	1403541.8	306106.6	115052.3	1404763.7	304884.8	1.91
90	1321750.6	33282.6	130114.6	1321896.5	33136.8	0.61
5089	1817543.2	272313.8	157433.1	1817543.2	246287.7	0.00
MIN Cent	1057708.8	124624.2	-33225.9	1089671.9	92661.1	10.31
5081	1470795.7	72091.7	-45330.4	1485155.3	57732.0	5.76
82	1010963.5	197926.4	-31789.6	1026885.3	182004.6	7.89
90	615836.4	-40504.5	12081.7	640079.6	-64700.3	10.69
5089	1133239.5	20035.4	-1259.6	1160537.0	20034.5	9.92

NODE	Vxx	Vyy

MAX Cent	803084.6	106359.2
5081	809418.7	132117.1
82	809418.7	82530.5
90	800842.4	82530.5
5089	800842.4	132117.1
MIN Cent	669844.1	-15160.0
5081	695885.8	-76337.6
82	695885.8	46017.6
90	643802.4	46017.6
5089	643802.4	-76337.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1872	3	3	env SL~1	MAX Cent	2897446.4	2020573.0	592287.7	5043533.5	-125514.1	-40.12
				82	2616581.9	2283819.6	592287.7	5002693.5	-102291.9	-43.13
				83	2616581.9	1757326.3	592287.7	4769998.1	-396089.9	-40.21
				91	3178311.0	1757326.3	592287.7	5112121.1	-176483.9	-37.21
				90	3178311.0	2283819.6	592287.7	5317098.0	145032.6	-40.02
				MIN Cent	-1679278.4	-518614.1	-2548060.1	-270398.9	-1927493.6	67.23
				82	-1614364.7	-584182.3	-2548060.1	-315038.7	-1883508.3	65.53
				83	-1614364.7	-453045.9	-2548060.1	-204928.7	-1862481.9	67.24
				91	-1744192.1	-453045.9	-2548060.1	-223136.3	-1974101.7	68.75
				90	-1744192.1	-584182.3	-2548060.1	-335869.1	-1992505.4	67.22

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	1152990.3	127969.2	114735.8	1155691.1	127061.0	2.93
82	1385431.1	302484.5	85942.7	1386159.2	301756.4	1.48
83	974710.6	201595.2	70758.7	975705.0	200600.8	2.05
91	921760.4	15799.1	162510.3	931595.9	13451.5	5.87
90	1330059.2	29167.2	177585.5	1336974.9	28175.0	4.12
MIN Cent	614685.3	58549.8	-3554.3	637131.2	36103.9	11.14
82	948112.8	185356.2	-32361.2	957579.9	175889.2	6.32

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

83	514196.7	92677.5	-22067.7	525588.4	81285.8	9.21
91	285143.2	-22468.0	42940.2	352889.1	-90214.0	23.02
90	711288.6	-21403.1	32796.1	750831.1	-60909.1	12.75

NODE Vxx Vyy

MAX Cent 719150.7 68527.4

82	691822.0	82530.5
83	691822.0	54524.3
91	746479.4	54524.3
90	746479.4	82530.5

MIN Cent 630983.9 33019.7

82	617487.4	46017.6
83	617487.4	20021.7
91	644480.3	20021.7
90	644480.3	46017.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1873 3 3 env SL~1 MAX Cent 2404775.6 1503968.8 434385.1 3915760.1 -7015.7 -38.36

83	2941788.8	1658792.1	434385.1	4314167.1	286413.8	-35.71
601	2941788.8	1349145.4	434385.1	4213874.1	77060.1	-33.68
611	1867762.5	1349145.4	434385.1	3534958.6	-318050.7	-41.13
91	1867762.5	1658792.1	434385.1	3675108.0	-148553.3	-43.43

MIN Cent -1509532.9 -382571.0 -1910010.6 -235085.9 -1657017.9 71.21

83	-1639798.0	-419096.8	-1910010.6	-280788.8	-1778106.0	72.31
601	-1639798.0	-346045.1	-1910010.6	-214197.6	-1771645.5	73.08
611	-1379267.9	-346045.1	-1910010.6	-188231.4	-1537081.6	70.00
91	-1379267.9	-419096.8	-1910010.6	-252309.9	-1546054.8	68.96

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 762571.2 81088.7 94435.0 767149.4 76510.5 4.67

83	956561.9	197965.5	59093.7	957414.1	197113.3	1.92
601	595772.8	121761.2	49738.5	597169.5	120364.5	3.10
611	549303.5	5787.9	141837.6	566948.1	-3474.1	9.98
91	948646.6	14912.3	151184.8	959144.6	11025.1	6.00

MIN Cent 217798.7 18311.3 15139.1 254519.2 -18409.1 21.52

83	467081.5	83254.5	-16099.8	475824.6	74511.4	8.49
601	105917.7	20957.5	-9492.7	128351.4	-1316.0	24.64
611	-50731.0	-21383.6	61592.8	103419.3	-178651.9	48.01
91	348140.0	-9878.2	54971.2	401354.2	-63082.9	19.79

NODE Vxx Vyy

MAX Cent 631998.6 43924.8

83	588247.8	54524.3
601	588247.8	33325.4

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

611 676130.2 33325.4
91 676130.2 54524.3
MIN Cent 585503.6 11596.2
83 546346.8 20021.7
601 546346.8 3141.3
611 623304.1 3141.3
91 623304.1 20021.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1874 3 3 env SL~1 MAX Cent 2023907.8 1167662.6 316160.3 3082858.6 108674.1 -36.63
601 3099749.7 1273076.6 316160.3 3878228.9 494492.7 -28.66
602 3099749.7 1062309.6 316160.3 3832002.4 330025.3 -27.21
612 948065.9 1062309.6 316160.3 2430443.7 -420099.8 -46.15
611 948065.9 1273076.6 316160.3 2543881.8 -322844.1 -48.25
MIN Cent -1366970.4 -294533.9 -1425117.8 -208634.3 -1452870.0 74.77
601 -1622743.9 -317634.3 -1425117.8 -245297.1 -1694979.4 77.10
602 -1622743.9 -271535.3 -1425117.8 -201524.5 -1692754.6 77.49
612 -1111197.0 -271535.3 -1425117.8 -166238.9 -1216493.3 71.54
611 -1111197.0 -317634.3 -1425117.8 -207436.4 -1221293.2 70.76

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 403259.5 41826.3 79370.0 412086.7 32999.1 8.78
601 575489.9 117704.6 46244.0 577007.3 116187.3 3.29
602 257028.2 53717.6 39158.6 260240.4 50505.4 7.11
612 202519.9 -1703.6 122961.2 242593.7 -46992.4 21.84
611 578000.1 7063.7 130033.9 595099.3 -3199.3 9.64
MIN Cent -137895.1 -14447.7 26291.0 24151.0 -176493.8 63.99
601 66553.9 13207.5 -3707.4 92943.1 -12623.0 30.01
602 -247885.3 -40361.3 -380.6 -33438.1 -254808.5 79.81
612 -370598.4 -20122.2 68478.0 18436.4 -409359.4 72.31
611 5.1 -11179.2 65147.1 121369.9 -135518.3 43.73

NODE Vxx Vyy

MAX Cent 543823.7 23843.6
601 493635.6 33325.4
602 493635.6 14361.8
612 596198.2 14361.8
611 596198.2 33325.4
MIN Cent 507461.7 -4764.0
601 457661.4 3141.3
602 457661.4 -12931.5
612 557261.9 -12931.5
611 557261.9 3141.3

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1875	3	3	env SL~1	MAX Cent	1738636.0	935448.4	224501.6	2454852.1	219161.7	-34.47
				602	3166729.3	1005388.4	224501.6	3588074.5	583878.5	-21.99
				603	3166729.3	865591.4	224501.6	3569240.1	463021.1	-21.10
				613	310542.7	865591.4	224501.6	1667516.4	-491441.8	-52.45
				612	310542.7	1005388.4	224501.6	1757390.9	-441624.5	-54.21
				MIN Cent	-1247426.2	-234052.5	-1044106.6	-186788.9	-1294689.9	78.08
				602	-1582910.2	-247764.7	-1044106.6	-211084.2	-1619452.4	80.73
				603	-1582910.2	-220478.7	-1044106.6	-184627.8	-1618761.0	80.90
				613	-911942.2	-220478.7	-1044106.6	-154312.3	-978108.6	73.54
				612	-911942.2	-247764.7	-1044106.6	-179211.6	-980357.0	73.01
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	78159.5	8530.1	66270.3	108451.7	-21762.1	28.84
				602	235209.0	49353.8	37344.0	238762.9	45799.9	7.80
				603	-43869.8	-3431.1	32505.1	7517.2	-54818.1	65.22
				613	-110691.0	-7148.0	103496.9	45919.4	-167388.0	58.97
				612	231989.9	898.2	110083.3	266736.4	-35771.1	19.81
				MIN Cent	-448303.5	-42094.0	30773.8	-31693.1	-458704.4	81.02
				602	-281255.3	-47035.3	4199.7	-41362.7	-286927.9	81.26
				603	-538287.4	-89434.3	4799.6	-87407.6	-540314.1	86.16
				613	-645480.8	-20265.9	66925.5	-3718.4	-662028.3	80.88
				612	-328190.5	-11640.7	66315.1	22426.8	-362496.8	72.43
				NODE	Vxx	Vyy				
				MAX Cent	481644.8	6312.0				
				602	424560.3	14361.8				
				603	424560.3	-1737.7				
				613	538729.2	-1737.7				
				612	538729.2	14361.8				
				MIN Cent	427846.3	-19548.0				
				602	376771.8	-12931.5				
				603	376771.8	-26164.5				
				613	478920.8	-26164.5				
				612	478920.8	-12931.5				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1876	3	3	env SL~1	MAX Cent	1537421.7	778837.6	150834.1	1983752.6	332409.7	-31.32
				603	3192595.9	825491.4	150834.1	3401375.4	616509.5	-15.89
				604	3192595.9	732266.6	150834.1	3394605.8	530182.3	-15.40
				614	-117752.5	732266.6	150834.1	1154852.3	-540241.9	-60.05
				613	-117752.5	825491.4	150834.1	1225763.4	-518106.7	-61.39
				MIN Cent	-1147927.8	-193140.6	-734229.8	-170015.5	-1171040.4	81.26
				603	-1532859.1	-200742.1	-734229.8	-183870.3	-1549613.3	83.62

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

604 -1532859.1 -185677.1 -734229.8 -169103.7 -1549432.5 83.71
 614 -762996.6 -185677.1 -734229.8 -148873.3 -799800.4 76.24
 613 -762996.6 -200742.1 -734229.8 -162914.0 -800661.6 75.94

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -210199.1 -19578.0 52853.0 -7727.0 -222050.1 76.40
 603 -65831.7 -7823.4 31663.4 180.9 -73836.1 70.80
 604 -307158.9 -51292.5 25698.4 -49878.2 -308573.1 85.76
 614 -385260.6 -11003.5 83456.0 3851.7 -403160.1 77.89
 613 -82545.2 -4047.7 89509.9 51707.6 -139401.1 56.95
 MIN Cent -704258.5 -64180.1 29870.9 -59958.8 -708479.8 85.37
 603 -566151.8 -95007.1 7983.1 -93245.3 -567913.6 86.51
 604 -770304.1 -127599.7 6413.3 -126851.2 -771052.7 88.05
 614 -869687.9 -20765.7 59112.7 -12932.1 -877521.5 84.54
 613 -610890.1 -13347.7 60667.5 -418.6 -623819.3 81.72

NODE Vxx Vyy

MAX Cent 421813.2 -8501.8
 603 367816.8 -1737.7
 604 367816.8 -15265.8
 614 475809.6 -15265.8
 613 475809.6 -1737.7
 MIN Cent 346351.0 -31377.3
 603 300715.1 -26164.5
 604 300715.1 -36590.1
 614 391986.8 -36590.1
 613 391986.8 -26164.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1877 3 3 env SL~1 MAX Cent 1411660.1 677883.2 89081.1 1641981.9 447637.0 -26.05
 604 3207690.3 707204.2 89081.1 3293551.7 621276.0 -10.33
 84 3207690.3 648632.6 89081.1 3291705.9 564610.2 -10.11
 92 -384013.2 648632.6 89081.1 831267.7 -540381.8 -68.81
 614 -384013.2 707204.2 89081.1 882520.6 -539126.3 -69.60
 MIN Cent -1066571.8 -166368.1 -471809.7 -157677.7 -1075302.2 84.42
 604 -1481073.8 -169512.7 -471809.7 -163490.0 -1487096.6 86.13
 84 -1481073.8 -163340.8 -471809.7 -157393.0 -1487068.1 86.16
 92 -727309.0 -163340.8 -471809.7 -147757.6 -766625.0 80.03
 614 -727309.0 -169512.7 -471809.7 -153593.3 -765795.3 79.87

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -459460.5 -42990.2 39294.7 -39315.1 -463135.6 84.66
 604 -327665.0 -55393.7 23748.4 -54290.1 -328768.6 86.36
 84 -531656.1 -90802.4 16450.9 -90480.5 -531978.0 88.45

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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92 -617706.9 -13514.1 68176.4 -8970.8 -625342.5 83.61
614 -360813.9 -8018.4 73628.4 5635.3 -375607.6 78.64
MIN Cent -905659.8 -81203.1 24823.3 -79519.8 -907343.0 87.42
604 -792331.3 -132005.2 8379.9 -131378.2 -792958.3 88.24
84 -946442.3 -156109.8 5113.4 -155898.5 -946653.5 89.06
92 -1040526.8 -21201.4 46657.7 -17790.4 -1043937.8 86.69
614 -843338.6 -15495.8 49836.8 -10188.3 -848646.2 85.44

```

NODE Vxx Vyy

```

MAX Cent 357576.1 -20830.5
604 311333.5 -15265.8
84 311333.5 -26395.2
92 403818.7 -26395.2
614 403818.7 -15265.8
MIN Cent 264381.4 -40490.6
604 228475.8 -36590.1
84 228475.8 -44391.0
92 300286.9 -44391.0
614 300286.9 -36590.1

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1878 3 3 env SL~1 MAX Cent 1355963.3 621764.0 34720.7 1426255.0 551380.9 -16.47
84 3229083.5 637395.6 34720.7 3250724.0 615716.9 -5.20
605 3229083.5 606183.6 34720.7 3250470.0 584776.4 -5.14
615 -503592.5 606183.6 34720.7 654446.3 -517202.5 -78.52
92 -503592.5 637395.6 34720.7 684501.8 -516890.4 -78.80
MIN Cent -1002659.1 -150725.2 -238435.1 -149318.8 -1004065.5 87.68
84 -1431145.1 -150440.9 -238435.1 -149504.5 -1432081.6 88.45
605 -1431145.1 -151094.9 -238435.1 -150171.8 -1432082.0 88.46
615 -763629.1 -151094.9 -238435.1 -148317.5 -774512.6 85.38
92 -763629.1 -150440.9 -238435.1 -147627.2 -774365.6 85.36

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -667167.4 -62035.6 26471.5 -60879.8 -668323.1 87.50
84 -549199.9 -94311.2 13670.2 -94116.4 -549394.7 88.81
605 -715302.5 -122527.0 5412.6 -122514.8 -715314.7 89.74
615 -790500.2 -14880.7 49074.3 -13574.5 -791806.4 87.65
92 -599143.0 -11148.1 55800.4 -7629.6 -604406.9 84.61
MIN Cent -1052360.3 -93528.5 16805.7 -93063.5 -1052825.3 88.74
84 -962049.9 -159231.3 6093.6 -159080.3 -962200.9 89.21
605 -1067668.7 -175788.5 1697.5 -175778.0 -1067679.1 89.80
615 -1156507.7 -21662.4 30840.5 -20434.6 -1157558.1 87.97
92 -1023215.0 -17739.1 35139.7 -15945.3 -1025008.8 87.58

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

MAX Cent 288738.3 -30821.3

84 253702.5 -26395.2
605 253702.5 -35247.3
615 323774.2 -35247.3
92 323774.2 -26395.2

MIN Cent 181636.0 -47058.6

84 157692.4 -44391.0
605 157692.4 -49726.2
615 204854.7 -49726.2
92 204854.7 -44391.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1879 3 3 env SL*1 MAX Cent 1365766.6 604609.4 -13939.4 1366201.2 604163.9 -1.37

605 3265542.6 608062.7 -13939.4 3265667.2 607935.1 -0.39
606 3265542.6 601178.7 -13939.4 3265666.8 601053.0 -0.39
616 -469870.4 601178.7 -13939.4 601472.5 -471015.5 -89.08
615 -469870.4 608062.7 -13939.4 608359.1 -470999.6 -89.08

MIN Cent -954014.0 -144515.9 -27471.8 -144191.0 -954338.9 -88.85

605 -1384718.5 -141280.5 -27471.8 -141068.9 -1384930.1 -89.25
606 -1384718.5 -147789.0 -27471.8 -147570.1 -1384931.2 -89.24
616 -754178.1 -147789.0 -27471.8 -147066.8 -754390.0 -87.48
615 -754178.1 -141280.5 -27471.8 -140592.9 -754388.7 -87.57

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -798255.3 -74534.6 11197.8 -74451.7 -798338.2 89.39

605 -728580.1 -125182.6 3291.0 -125182.4 -728580.2 -89.97
606 -806765.0 -139559.4 -1607.0 -139555.0 -806769.4 -89.85
616 -853249.7 -15228.2 26913.2 -14991.9 -853490.5 89.03
615 -783387.3 -13458.1 34583.6 -12971.3 -783860.5 88.55

MIN Cent -1143899.7 -101393.0 3714.2 -101378.9 -1143913.9 89.79

605 -1076274.0 -177509.5 -330.5 -177508.7 -1076274.9 89.94
606 -1133801.7 -187049.2 -8006.0 -186990.0 -1133860.9 -89.55
616 -1216498.5 -21494.3 8291.7 -21427.9 -1216561.4 89.54
615 -1149024.8 -20140.9 16920.0 -19840.4 -1149282.1 88.99

NODE Vxx Vyy

MAX Cent 214855.7 -37078.9

605 193615.4 -35247.3
606 193615.4 -38586.3
616 236095.9 -38586.3
615 236095.9 -35247.3

MIN Cent 92781.6 -51203.7

605 83230.6 -49726.2
606 83230.6 -52681.1
616 101599.5 -52681.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

615 101599.5 -49726.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1880	3	3	env SL~1	MAX Cent 1439900.7	624806.9	201633.2	1487010.3	577795.6	13.16	
				606	3319895.0	615954.4	201633.2	3334835.2	601097.8	4.24
				85	3319895.0	633663.5	201633.2	3334932.5	618657.3	4.27
				93	-400475.0	633663.5	201633.2	670166.2	-403619.0	79.71
				616	-400475.0	615954.4	201633.2	653046.7	-403611.4	79.55
				MIN Cent -920269.0	-147113.1	-67312.3	-141376.4	-926005.7	-85.09	
				606	-1342425.1	-141002.4	-67312.3	-137294.7	-1346132.8	-86.83
				85	-1342425.1	-153223.8	-67312.3	-149478.2	-1346170.7	-86.79
				93	-700648.8	-153223.8	-67312.3	-140721.4	-706756.3	-79.41
				616	-700648.8	-141002.4	-67312.3	-128900.3	-706769.2	-79.74

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -833759.5	-77709.3	-2657.8	-77698.3	-833770.6	-89.78
606	-809712.2	-140148.8	-1204.3	-140146.3	-809714.7
85	-817153.8	-141134.9	-6234.8	-141075.9	-817212.8
93	-856482.9	-14578.7	2506.4	-14544.9	-856505.1
616	-851689.0	-14920.5	10751.5	-14920.0	-851689.6
MIN Cent -1179338.2	-104890.6	-14555.4	-104703.3	-1179525.6	-89.24
606	-1134925.8	-187274.0	-11199.6	-187173.4	-1135026.3
85	-1143663.9	-189929.4	-19444.8	-189574.3	-1144018.9
93	-1219302.8	-20679.7	-18963.4	-20441.0	-1219578.6
616	-1219460.5	-22052.8	-10042.1	-21955.6	-1219536.5

NODE Vxx Vyy

MAX Cent 135289.3	-38693.7
606	129753.5
85	129753.5
93	140825.0
616	140825.0
MIN Cent -500.5	-52971.6
606	3139.3
85	3139.3
93	-9285.4
616	-9285.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1881	3	3	env SL~1	MAX Cent 1579576.9	684489.0	435440.0	1756444.7	507727.8	22.11	
				85	3389463.3	661598.0	435440.0	3457230.5	593927.3	8.85
				607	3389463.3	707413.7	435440.0	3458329.3	638565.7	8.99
				617	-229987.1	707413.7	435440.0	878409.5	-319669.4	68.55

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

93 -229987.1 661598.0 435440.0 838901.5 -320025.9 67.84
MIN Cent -901619.5 -158809.9 -120665.4 -139753.7 -920675.7 -81.01
85 -1303527.6 -149493.8 -120665.4 -137047.6 -1315973.8 -84.10
607 -1303527.6 -168125.9 -120665.4 -155479.8 -1316173.6 -84.01
617 -601149.6 -168125.9 -120665.4 -128966.2 -634021.5 -72.00
93 -601149.6 -149493.8 -120665.4 -112043.5 -634426.5 -72.73

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

MAX Cent -811347.1 -75471.4 -13069.1 -75211.7 -811606.9 -88.92
85 -815493.2 -140802.8 -5571.8 -140755.5 -815540.5 -89.52
607 -770067.9 -132373.5 -10208.8 -132200.6 -770240.8 -89.06
617 -796190.4 -12976.3 -22194.0 -12272.4 -796894.3 -88.28
93 -860637.5 -15464.0 -14866.4 -15052.5 -861016.8 -88.72
MIN Cent -1157320.8 -104001.8 -33193.7 -103037.4 -1158285.1 -88.27
85 -1136959.2 -188588.5 -22438.1 -188139.9 -1137407.7 -88.75
607 -1096735.6 -184453.3 -30854.6 -183526.2 -1097662.7 -88.18
617 -1166245.1 -19931.8 -46086.0 -18861.5 -1167963.3 -88.72
93 -1233092.7 -23369.8 -37496.9 -22307.8 -1234214.9 -88.31

```

```

NODE Vxx Vyy

```

```

MAX Cent 49258.4 -37425.3
85 60733.7 -38801.2
607 60733.7 -35986.8
617 37783.2 -35986.8
93 37783.2 -38801.2
MIN Cent -97427.0 -52353.4
85 -79689.6 -53262.0
607 -79689.6 -51523.1
617 -123903.6 -51523.1
93 -123903.6 -53262.0

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

1882 3 3 env SL~1 MAX Cent 1789301.1 789975.4 699030.1 2148786.4 430419.8 27.22
607 3465080.8 749222.6 699030.1 3634390.9 580030.4 13.62
608 3465080.8 830771.4 699030.1 3639023.9 656902.1 13.98
618 113521.4 830771.4 699030.1 1257634.3 -228456.5 58.59
617 113521.4 749222.6 699030.1 1199137.3 -231398.2 57.23
MIN Cent -898823.6 -180824.8 -180706.3 -137909.6 -941738.8 -76.64
607 -1265803.9 -167566.7 -180706.3 -138597.1 -1294773.6 -80.89
608 -1265803.9 -194082.9 -180706.3 -164433.6 -1295453.1 -80.68
618 -531843.3 -194082.9 -180706.3 -115626.7 -610299.4 -66.53
617 -531843.3 -167566.7 -180706.3 -93133.1 -606276.8 -67.61

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```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent -725711.4 -67158.6 -22035.2 -66382.6 -726487.5 -88.04
607 -763899.0 -131139.7 -8872.4 -131008.8 -764030.0 -89.18
608 -662407.3 -112272.9 -12537.1 -111981.0 -662699.1 -88.68
618 -670804.1 -10336.8 -38820.7 -7902.9 -673206.0 -86.54
617 -805735.1 -14885.2 -35156.0 -13219.8 -807400.5 -87.38
MIN Cent -1079510.1 -98857.0 -51106.9 -96261.7 -1082105.4 -87.06
607 -1082245.8 -181555.4 -33230.6 -180475.3 -1083325.9 -88.02
608 -990522.0 -171298.5 -41381.2 -169176.0 -992478.3 -87.06
618 -1054587.3 -19074.2 -73411.5 -15800.2 -1059615.0 -87.22
617 -1190685.3 -24819.9 -64578.8 -21416.4 -1194125.5 -87.76

```

NODE Vxx Vyy

```

-----
MAX Cent -44106.7 -32953.8
607 -14918.4 -35986.8
608 -14918.4 -29920.9
618 -73295.0 -29920.9
617 -73295.0 -35986.8
MIN Cent -198846.2 -49399.7
607 -166617.2 -51523.1
608 -166617.2 -47558.8
618 -242271.5 -47558.8
617 -242271.5 -51523.1

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
1883 3 3 env SL~1 MAX Cent 2074524.1 952118.4 1011005.2 2669611.4 356988.4 30.48
608 3528420.1 887716.1 1011005.2 3871018.6 545222.7 18.72
609 3528420.1 1016520.8 1011005.2 3884758.3 660280.9 19.42
619 620628.0 1016520.8 1011005.2 1848716.7 -140885.6 50.54
618 620628.0 887716.1 1011005.2 1773921.2 -151884.7 48.76
MIN Cent -913235.3 -215589.3 -251682.0 -134271.3 -994553.4 -72.09
608 -1225169.2 -196965.2 -251682.0 -138664.7 -1283469.7 -76.96
609 -1225169.2 -234213.5 -251682.0 -173955.7 -1285427.0 -76.54
619 -601301.5 -234213.5 -251682.0 -106257.6 -729257.4 -63.05
618 -601301.5 -196965.2 -251682.0 -76308.7 -721958.0 -64.39

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent -577041.5 -52355.7 -28226.3 -50803.0 -578594.2 -86.89
608 -652879.7 -110367.4 -10115.8 -110176.0 -653071.1 -88.92
609 -493136.7 -79653.7 -12103.6 -79299.7 -493490.7 -88.32
619 -478211.4 -6418.4 -52218.8 756.7 -484092.9 -81.72
618 -683938.3 -12963.6 -50191.3 -9077.0 -687806.2 -85.66
MIN Cent -966256.0 -92487.1 -69627.3 -88656.1 -970087.0 -86.22
608 -967698.8 -168919.7 -43270.7 -166629.6 -969894.9 -86.93
609 -900021.3 -161062.0 -52340.5 -157674.4 -903409.0 -86.14
619 -938776.6 -18345.7 -101489.9 -10044.9 -944855.9 -85.37
618 -1090206.9 -26198.2 -92479.8 -19443.8 -1098021.5 -86.28

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	-145708.6	-25100.6
608	-98779.2	-29920.9
609	-98779.2	-20280.3
619	-192637.9	-20280.3
618	-192637.9	-29920.9
MIN Cent	-305536.5	-45825.2
608	-259128.5	-47558.8
609	-259128.5	-44091.7
619	-364136.7	-44091.7
618	-364136.7	-47558.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1884	3	3	env SL~1	MAX Cent	2444572.3	1190987.1	1395488.6	3347567.9	287985.6	32.91
				609	3550468.7	1090475.2	1395488.6	4180654.0	460332.0	24.30
				610	3550468.7	1291498.9	1395488.6	4216288.7	625707.1	25.51
				620	1338675.9	1291498.9	1395488.6	2710771.8	-58744.6	44.52
				619	1338675.9	1090475.2	1395488.6	2615569.3	-86583.7	42.46
				MIN Cent	-946828.3	-266922.7	-338762.1	-126950.9	-1086800.2	-67.55
				609	-1174784.1	-240932.1	-338762.1	-130987.5	-1284728.7	-72.02
				610	-1174784.1	-292913.4	-338762.1	-177805.8	-1289891.7	-71.23
				620	-718872.6	-292913.4	-338762.1	-105742.9	-906043.0	-61.08
				619	-718872.6	-240932.1	-338762.1	-65334.4	-894470.2	-62.60

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-361946.4	-29940.1	-30030.4	-27219.6	-364666.9	-84.85
609	-481825.6	-77391.4	-8213.9	-77224.7	-481992.4	-88.84
610	-258911.6	-31469.0	-7680.3	-31199.6	-259181.0	-88.03
620	-212710.5	-730.7	-60334.9	23765.7	-230337.8	-74.18
619	-492518.2	-9298.3	-60774.1	-1359.2	-500179.0	-82.70
MIN Cent	-846028.7	-83223.8	-88723.6	-76379.2	-852873.2	-84.61
609	-881098.6	-157277.5	-54578.3	-153809.0	-884567.0	-86.05
610	-755696.2	-139129.0	-64459.1	-134010.8	-760814.3	-84.82
620	-771311.8	-18407.4	-130320.4	-242.2	-783987.7	-82.69
619	-976008.2	-27791.4	-120654.0	-14635.7	-984942.9	-84.49

NODE	Vxx	Vyy

MAX Cent	-256406.1	-13405.8
609	-192535.0	-20280.3
610	-192535.0	-6205.0
620	-320277.2	-6205.0
619	-320277.2	-20280.3
MIN Cent	-418115.3	-40719.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

609 -358756.9 -44091.7
610 -358756.9 -37347.6
620 -488704.1 -37347.6
619 -488704.1 -44091.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1885	3	3	env SL~1	MAX Cent 2911301.2	1527019.3	1884735.4	4226953.1	211326.0	34.92	
				610	3481415.6	1384837.6	1884735.4	4589776.2	276477.0	30.46
				86	3481415.6	1669245.6	1884735.4	4666518.5	484015.5	32.16
				94	2341186.8	1669245.6	1884735.4	3919609.8	90695.3	39.95
				620	2341186.8	1384837.6	1884735.4	3807460.3	-26983.5	37.88
				MIN Cent -1002283.8	-340791.4	-449027.1	-113847.4	-1229227.8	-63.19	
				610	-1103823.0	-304004.5	-449027.1	-102621.2	-1305206.3	-65.84
				86	-1103823.0	-377578.4	-449027.1	-163220.7	-1318180.6	-64.48
				94	-900744.7	-377578.4	-449027.1	-119497.2	-1158825.9	-60.11
				620	-900744.7	-304004.5	-449027.1	-63254.9	-1141494.3	-61.80

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -66651.4	3392.4	-25564.8	12500.7	-75759.7	-71.26	
610	-247473.4	-29181.3	-2360.0	-29155.8	-247498.9	-89.38
86	61307.2	37664.1	1688.7	61427.2	37544.1	4.06
94	144919.4	8357.4	-60247.8	170030.7	-16753.9	-21.51
620	-225358.8	-3147.1	-64064.2	18148.9	-243532.9	-74.12
MIN Cent -651614.4	-66502.9	-110212.0	-54626.8	-663490.6	-81.97	
610	-729945.0	-133978.8	-67835.9	-128880.6	-735043.1	-84.74
86	-535746.0	-104872.7	-79597.8	-96720.8	-543897.9	-82.24
94	-524463.1	-15544.3	-160441.1	20517.8	-550224.7	-77.73
620	-816303.6	-30452.4	-148921.6	-5874.6	-832345.4	-81.99

NODE Vxx Vyy

MAX Cent -377000.7	3543.4	
610	-297844.3	-6205.0
86	-297844.3	13291.8
94	-456157.0	13291.8
620	-456157.0	-6205.0
MIN Cent -537010.6	-32732.8	
610	-467075.4	-37347.6
86	-467075.4	-28118.1
94	-614559.0	-28118.1
620	-614559.0	-37347.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
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1886	3	3	env SL~1	MAX Cent 3495724.5	2105065.9	2532893.3	5426995.9	173794.5	37.32	
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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86 3260652.2 1786078.5 2532893.3 5161356.4 9525.7 36.88
87 3260652.2 2424128.7 2532893.3 5409585.7 275195.3 40.31
95 3730796.9 2424128.7 2532893.3 5693259.8 461665.8 37.77
94 3730796.9 1786078.5 2532893.3 5471535.4 45264.4 34.50
MIN Cent -1083596.0 -459783.7 -593953.1 -100820.4 -1442559.3 -58.85
86 -996531.1 -393840.8 -593953.1 -29161.0 -1361210.9 -58.45
87 -996531.1 -525726.6 -593953.1 -122227.8 -1400029.9 -55.81
95 -1170660.8 -525726.6 -593953.1 -172349.5 -1524037.9 -59.25
94 -1170660.8 -393840.8 -593953.1 -72572.9 -1491928.7 -61.59

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NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 313037.8 50618.4 -12566.7 313720.2 49936.0 -2.92
86 68644.5 39131.6 7051.5 70242.7 37533.3 12.77
87 457481.9 131544.8 15714.4 458237.8 130788.9 2.75
95 586706.3 24560.2 -47084.5 591098.9 20167.6 -5.03
94 139318.6 7237.2 -55518.4 161534.9 -14979.0 -20.78
MIN Cent -375500.7 -38845.3 -135673.8 -15930.4 -398415.6 -75.83
86 -503632.7 -98450.1 -91223.3 -89278.6 -512804.2 -81.54
87 -228980.8 -41544.1 -107361.5 -21779.9 -248745.1 -72.84
95 -193818.3 -25182.2 -194448.2 66184.2 -259924.4 -63.24
94 -575570.8 -30791.5 -178393.8 12714.4 -603750.5 -77.65

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NODE   Vxx   Vyy
-----
MAX Cent -507465.8 25824.4
86 -416257.6 13291.8
87 -416257.6 38357.0
95 -598674.1 38357.0
94 -598674.1 13291.8
MIN Cent -661616.6 -19053.2
86 -585568.4 -28118.1
87 -585568.4 -9988.4
95 -737750.1 -9988.4
94 -737750.1 -28118.1

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1887 3 3 env SL~1 MAX Cent 4200865.2 2959110.2 3449212.1 7084626.2 80865.0 39.90
87 2665991.9 2565156.9 3449212.1 6065155.0 -200537.2 44.58
5088 2665991.9 3353467.9 3449212.1 6475781.6 -58071.1 47.84
5096 5735738.4 3353467.9 3449212.1 8193543.8 895214.9 35.47
95 5735738.4 2565156.9 3449212.1 7946526.1 354369.2 32.66
MIN Cent -1192712.9 -633505.9 -793489.0 -71799.1 -1754419.7 -54.71
87 -811734.5 -547550.0 -793489.0 124766.4 -1484050.9 -49.73
5088 -811734.5 -719461.8 -793489.0 29231.0 -1560427.3 -46.66
5096 -1573691.4 -719461.8 -793489.0 -245437.4 -2047715.8 -59.15
95 -1573691.4 -547550.0 -793489.0 -115704.6 -2005536.8 -61.44

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	775710.0	119253.8	12011.1	775918.0	119045.9	1.02
87	456167.5	131281.9	15062.2	456864.3	130585.1	2.65
5088	935975.3	267510.8	29622.6	937285.5	266200.7	2.53
5096	1117243.1	304049.0	-12469.8	1117422.5	193608.4	-0.74
95	593454.1	25909.7	-26752.8	594870.1	24493.8	-2.86
MIN Cent	-9258.0	14285.6	-200538.5	110084.6	-105057.1	-48.14
87	-190483.1	-33844.5	-135360.8	-5085.6	-219242.0	-68.50
5088	138874.0	-147426.4	-160355.6	160056.4	-181229.5	-16.22
5096	270319.5	49076.7	-171962.9	336747.4	48921.9	-34.26
95	-255742.3	-47445.9	-146880.0	22056.0	-290105.0	-70.62

NODE	Vxx	Vyy

MAX Cent	-652623.2	55484.1
87	-538605.6	38357.0
5088	-538605.6	72611.3
5096	-744365.8	72611.3
95	-744365.8	38357.0
MIN Cent	-796206.0	-71114.0
87	-718335.2	-9988.4
5088	-718335.2	-142202.1
5096	-874076.7	-142202.1
95	-874076.7	-9988.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1888	3	4	env SL~1	MAX Cent	4152392.0	-459143.2	1066183.7	6989860.7	-1450259.0	-31.68
				5096	2649497.1	539768.0	1066183.7	6311428.8	-1436101.2	-38.54
				5088	2649497.1	-552742.0	1066183.7	5631267.4	-1687813.6	-32.97
				4988	5655286.9	-552742.0	1066183.7	7911416.1	-1508165.7	-26.14
				4996	5655286.9	539768.0	1066183.7	8358474.2	-1199377.5	-30.46
				MIN Cent	-1057694.9	-898345.4	-4598106.6	89796.0	-3323052.2	47.16
				5096	-704308.3	-1202704.7	-4598106.6	139259.1	-3144879.2	38.41
				5088	-704308.3	-1499298.5	-4598106.6	417822.7	-4464392.6	46.53
				4988	-1411081.5	-1499298.5	-4598106.6	139245.0	-3743737.4	55.48
				4996	-1411081.5	-1202704.7	-4598106.6	-237705.3	-2378155.4	47.80

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	340656.8	1873840.6	443892.9	1992770.4	221727.0	74.98
5096	241005.8	1152789.3	215338.1	1163570.5	230224.6	-83.83
5088	849388.1	964058.2	386805.4	1272095.5	495476.3	47.54
4988	476768.5	2383842.4	348341.8	2445477.8	415133.2	79.97
4996	801909.8	4009549.1	176557.4	4018670.5	792788.4	86.95
MIN Cent	106269.0	584438.2	-77091.5	596319.5	73851.8	-81.15
5096	-774281.0	93042.0	-99731.3	143569.7	-824680.2	76.79

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5088 98779.8 236137.3 -39193.2 413064.6 96633.2 39.74
 4988 74205.0 371024.8 -37960.0 375802.6 69427.2 -82.83
 4996 19798.8 98994.1 -98338.3 160543.6 -41750.7 -56.52

NODE Vxx Vyy

MAX Cent 11874.4 1260962.2

5096 23748.9 1702874.0
 5088 23748.9 819050.4
 4988 0.0 819050.4
 4996 0.0 1702874.0

MIN Cent -211948.6 -4593882.4

5096 -423897.1 -6370158.8
 5088 -423897.1 -2817606.0
 4988 0.0 -2817606.0
 4996 0.0 -6370158.8

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1889 3 4 env SL~1 MAX Cent 5734359.5 -652007.1 507261.7 6362476.7 -825788.8 -16.39

5088 5901309.0 -621064.2 507261.7 6498295.0 -885702.6 -15.62
 5080 5901309.0 -584577.9 507261.7 6535546.2 -758867.3 -16.54
 4980 5567410.0 -584577.9 507261.7 6229810.2 -766538.7 -17.23
 4988 5567410.0 -621064.2 507261.7 6189515.1 -892713.2 -16.24

MIN Cent -1400836.1 -939111.8 -2136005.7 -446297.9 -1670405.7 62.01

5088 -1427086.3 -1183211.1 -2136005.7 -409697.8 -1777020.4 63.50
 5080 -1427086.3 -769120.5 -2136005.7 -493500.9 -1702705.9 61.48
 4980 -1374585.9 -769120.5 -2136005.7 -481123.5 -1662582.9 60.41
 4988 -1374585.9 -1183211.1 -2136005.7 -398890.3 -1801913.2 62.53

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 301064.2 1569227.2 15658.6 1569394.2 300897.2 -89.34

5088 161534.3 912015.3 13117.3 912217.4 161332.2 89.06
 5080 202647.6 905218.3 20691.6 905402.1 202463.9 89.07
 4980 496903.9 2484519.7 15092.0 2484575.6 496848.0 89.70
 4988 476768.5 2383842.4 10434.5 2385473.6 475137.4 -88.33

MIN Cent 85460.0 450601.1 -14818.5 450687.5 85373.5 89.12

5088 -2461.9 177490.0 -54541.8 178025.4 -2997.3 -86.88
 5080 32136.8 64088.7 11001.4 69593.1 26632.4 69.03
 4980 59814.2 299071.1 8160.3 299367.2 59518.1 87.99
 4988 74205.0 371024.8 -55797.2 371375.1 73854.7 88.03

NODE Vxx Vyy

MAX Cent -5826.8 865690.3

5088 -11653.5 819050.4
 5080 -11653.5 912330.3

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4980 0.0 912330.3
 4988 0.0 819050.4
 MIN Cent -12445.0 -3024827.4
 5088 -24890.1 -2817606.0
 5080 -24890.1 -3232929.7
 4980 0.0 -3232929.7
 4988 0.0 -2817606.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1890 3 4 env SL~1 MAX Cent 5199081.2 -595457.3 351330.4 5514692.2 -680663.4 -12.62
 5080 4807845.6 -617265.6 351330.4 5144437.1 -705909.2 -13.42
 5072 4807845.6 -573648.9 351330.4 5142334.6 -663985.1 -13.34
 4972 5590410.4 -573648.9 351330.4 5887393.7 -655665.9 -11.90
 4980 5590410.4 -617265.6 351330.4 5889159.0 -697875.5 -11.97
 MIN Cent -1290206.1 -823929.7 -1410546.0 -565411.8 -1460506.9 64.14
 5080 -1201857.3 -802107.8 -1410546.0 -555907.0 -1392944.8 61.46
 5072 -1201857.3 -845751.7 -1410546.0 -538388.7 -1387899.3 62.10
 4972 -1378555.0 -845751.7 -1410546.0 -571490.1 -1531495.6 66.48
 4980 -1378555.0 -802107.8 -1410546.0 -590387.0 -1535162.5 65.97

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 309269.7 1553418.2 16518.9 1554199.7 308488.2 -88.56
 5080 158809.6 896063.2 11995.7 896238.5 157334.1 89.12
 5072 204003.3 910327.8 12384.6 910528.4 203802.7 89.03
 4972 510441.4 2552207.1 10875.0 2552414.7 510233.8 -89.42
 4980 496903.9 2484519.7 10488.5 2484912.1 496511.6 -89.20
 MIN Cent 73065.7 368008.1 -31261.9 368008.6 73065.1 89.92
 5080 7244.8 59110.3 -26849.4 59137.4 7217.7 88.69
 5072 -9361.5 -58974.8 -19566.5 -9046.3 -59290.0 4.54
 4972 49182.7 245913.5 -20781.8 246487.6 48608.5 86.91
 4980 59814.2 299071.1 -28023.5 299509.9 59375.5 87.55

NODE Vxx Vyy

MAX Cent 9472.5 959145.2
 5080 18945.1 912330.3
 5072 18945.1 1005960.1
 4972 0.0 1005960.1
 4980 0.0 912330.3
 MIN Cent -6633.0 -3380653.5
 5080 -13266.0 -3232929.7
 5072 -13266.0 -3528377.4
 4972 -0.0 -3528377.4
 4980 -0.0 -3232929.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1891	3	4	env SL~1	MAX Cent	5736509.6	-503485.5	175571.6	5820799.3	-525353.9	-6.49
				5072	5862933.7	-535209.5	175571.6	5945481.6	-556282.6	-6.36
				5064	5862933.7	-471761.5	175571.6	5945792.5	-493389.0	-6.38
				4964	5610182.3	-471761.5	175571.6	5696191.2	-494486.9	-6.63
				4972	5610182.3	-535209.5	175571.6	5695855.7	-557324.1	-6.61
				MIN Cent	-1374299.8	-735662.0	-741099.7	-691084.0	-1418877.8	75.67
				5072	-1370054.7	-741249.4	-741099.7	-696061.5	-1415242.7	75.48
				5064	-1370054.7	-730074.6	-741099.7	-685578.6	-1414550.6	75.70
				4964	-1378544.8	-730074.6	-741099.7	-686091.3	-1422528.2	75.85
				4972	-1378544.8	-741249.4	-741099.7	-696589.1	-1423205.2	75.65
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	309274.4	1536138.8	9548.0	1536185.8	309227.5	-89.65
				5072	167062.4	902939.6	9725.4	902989.1	167012.9	89.53
				5064	191703.0	895574.6	7857.9	895649.3	191628.3	89.41
				4964	511654.0	2558270.0	6347.7	2558346.3	511577.7	-89.65
				4972	510441.4	2552207.1	5093.7	2552208.8	510439.7	-89.95
				MIN Cent	57552.9	284634.1	-7620.0	284876.5	57310.5	88.13
				5072	-22949.5	-61692.4	-672.0	-20891.1	-63750.8	12.66
				5064	-17104.9	-151100.8	-11262.3	-16844.3	-151361.4	2.52
				4964	41991.0	209955.0	-12549.9	210178.9	41767.1	87.91
				4972	49182.7	245913.5	-2025.6	246032.4	49063.8	88.59
				NODE	Vxx	Vyy				
				MAX Cent	1263.0	1022624.2				
				5072	2526.0	1005960.1				
				5064	2526.0	1039288.3				
				4964	0.0	1039288.3				
				4972	0.0	1005960.1				
				MIN Cent	-4176.2	-3572849.5				
				5072	-8352.4	-3528377.4				
				5064	-8352.4	-3617321.6				
				4964	-0.0	-3617321.6				
				4972	-0.0	-3528377.4				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1892	3	4	env SL~1	MAX Cent	5225438.9	-523748.7	97678.2	5228880.1	-523779.1	-1.37
				5064	4854723.6	-504623.2	97678.2	4858379.0	-504655.4	-1.46
				5056	4854723.6	-542874.2	97678.2	4858405.1	-542905.8	-1.47
				4956	5596208.8	-542874.2	97678.2	5599444.3	-542903.0	-1.29
				4964	5596208.8	-504623.2	97678.2	5599423.6	-504652.5	-1.29
				MIN Cent	-1335973.8	-800440.2	-282788.1	-756875.9	-1352091.5	80.53
				5064	-1285936.4	-820164.2	-282788.1	-706306.5	-1302039.3	80.54

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5056 -1285936.4 -823577.8 -282788.1 -804202.5 -1305311.6 78.66
 4956 -1386011.2 -823577.8 -282788.1 -807445.3 -1402143.7 80.52
 4964 -1386011.2 -820164.2 -282788.1 -708630.2 -1399790.3 81.88

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 300605.4 1476153.1 41373.3 1477567.2 299191.3 88.01

5064 168685.4 890971.1 42468.7 890977.6 168678.9 89.83
 5056 196707.1 923123.5 14951.2 923125.4 196705.2 -89.91
 4956 484737.1 2423685.4 8154.6 2423715.1 484707.4 89.78
 4964 511654.0 2558270.0 35861.9 2558885.1 511038.9 89.01

MIN Cent 38156.6 182739.7 2830.9 185829.5 35066.8 81.77

5064 -61813.4 -160042.5 1866.3 -56949.7 -164906.1 12.25
 5056 -19602.7 -279211.2 -1172.5 -18845.3 -279968.6 3.09
 4956 41219.3 206096.7 -318.5 206096.7 41219.3 89.98
 4964 41991.0 209955.0 2340.0 209998.9 41947.1 89.07

NODE Vxx Vyy

MAX Cent -2669.1 1063171.6

5064 -5338.2 1039288.3
 5056 -5338.2 1087054.9
 4956 0.0 1087054.9
 4964 0.0 1039288.3

MIN Cent -21344.4 -3567058.0

5064 -42688.8 -3617321.6
 5056 -42688.8 -3516794.3
 4956 -0.0 -3516794.3
 4964 -0.0 -3617321.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1893 3 4 env SL~1 MAX Cent 6552973.2 -328528.3 145663.7 6622032.7 -335914.2 -5.64

5056 7454756.9 -464298.2 145663.7 7516370.3 -470660.7 -5.01
 5048 7454756.9 -192758.5 145663.7 7516320.8 -199805.0 -5.01
 4948 5653526.9 -192758.5 145663.7 5730988.2 -201558.4 -6.41
 4956 5653526.9 -464298.2 145663.7 5730987.5 -472057.7 -6.41

MIN Cent -1499256.5 -747743.9 -704248.9 -724584.1 -1523919.1 80.19

5056 -1624188.3 -856087.8 -704248.9 -833192.9 -1649539.7 80.30
 5048 -1624188.3 -639399.9 -704248.9 -621380.2 -1644227.2 82.33
 4948 -1380961.2 -639399.9 -704248.9 -615969.2 -1404969.3 80.07
 4956 -1380961.2 -856087.8 -704248.9 -823910.6 -1414361.3 76.49

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 255130.2 1241383.0 323040.0 1337094.9 159418.4 73.44

5056 176961.8 919174.5 262156.2 919936.9 176199.3 88.17
 5048 715801.8 790733.4 236704.6 991918.9 514616.3 49.52

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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4948 287472.5 1437362.7 204059.1 1472145.9 252689.3 80.28
4956 484737.1 2423685.4 229510.7 2450296.8 458125.7 83.36
MIN Cent 9029.6 45106.3 4315.3 146924.6 -92788.8 49.33
5056 -486591.3 -326916.9 18807.0 -192959.0 -572978.5 34.90
5048 116447.8 -171153.6 6001.1 183173.1 -195776.4 14.77
4948 25981.5 129907.3 -10533.5 130763.0 -10025.0 -84.84
4956 41219.3 206096.7 2272.5 206154.1 41161.9 88.93

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NODE Vxx Vyy

```

MAX Cent -2574.4 893141.4
5056 -5148.7 1087054.9
5048 -5148.7 699228.0
4948 0.0 699228.0
4956 0.0 1087054.9
MIN Cent -218111.0 -2443999.2
5056 -436222.0 -3516794.3
5048 -436222.0 -1371204.2
4948 0.0 -1371204.2
4956 0.0 -3516794.3

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1894 3 4 env SL~1 MAX Cent 5250394.1 -474670.2 185900.1 5420774.5 -566382.7 -9.31
5048 4957882.2 -270483.3 185900.1 5143963.1 -376212.6 -10.09
5040 4957882.2 -678857.0 185900.1 5127757.4 -766921.4 -9.23
4940 5543065.6 -678857.0 185900.1 5701816.6 -759733.1 -8.55
4948 5543065.6 -270483.3 185900.1 5715951.9 -366145.9 -9.30
MIN Cent -1334706.1 -1077036.0 -1055362.0 -686519.2 -1384678.7 74.88
5048 -1291234.0 -782237.1 -1055362.0 -559162.1 -1333057.9 75.74
5040 -1291234.0 -1376510.5 -1055362.0 -804763.1 -1547487.9 70.20
4940 -1378337.6 -1376510.5 -1055362.0 -813494.1 -1533467.7 72.77
4948 -1378337.6 -782237.1 -1055362.0 -564198.8 -1420267.1 77.21

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 140361.8 710586.4 207734.8 777911.8 73036.4 72.00
5048 106114.5 625569.0 154371.7 656375.2 106075.7 78.66
5040 285881.9 318532.0 165697.3 452664.6 122066.7 45.26
4940 98112.9 490564.5 130800.9 530050.4 58627.0 73.18
4948 287472.5 1437362.7 119475.3 1449540.3 275294.9 84.16
MIN Cent -47013.9 -241209.7 -3282.3 -22033.4 -266190.3 18.65
5048 -125411.3 -226268.9 -5239.7 -84302.0 -258993.2 25.65
5040 -46875.2 -617798.3 3991.7 -40633.9 -624039.7 5.94
4940 -54104.6 -270523.0 -4013.1 -47348.0 -277279.6 9.87
4948 25981.5 129907.3 -13111.9 131412.0 13729.3 -83.19

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent -1481.0 484034.0
  5048 -2962.0 699228.0
  5040 -2962.0 268840.1
  4940  0.0 268840.1
  4948  0.0 699228.0
MIN Cent -52454.3 -936047.2
  5048 -104908.7 -1371204.2
  5040 -104908.7 -627196.4
  4940  -0.0 -627196.4
  4948  -0.0 -1371204.2

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1895 3 4 env SL~1 MAX Cent 5329101.3 -776698.9 87494.7 5329496.2 -778962.8 0.44
  5040 5182720.2 -671496.8 87494.7 5183127.7 -673870.5 0.45
  5032 5182720.2 -881901.1 87494.7 5183120.3 -884082.1 0.45
  4932 5476389.5 -881901.1 87494.7 5476804.9 -884064.9 0.44
  4940 5476389.5 -671496.8 87494.7 5476812.3 -673850.1 0.45
MIN Cent -1391570.8 -1425568.3 -300071.4 -1032955.8 -1425948.2 76.71
  5040 -1342048.4 -1360749.8 -300071.4 -864033.5 -1361142.1 79.92
  5032 -1342048.4 -1490386.9 -300071.4 -1181645.9 -1490771.5 61.90
  4932 -1442000.4 -1490386.9 -300071.4 -1197541.6 -1490755.1 70.91
  4940 -1442000.4 -1360749.8 -300071.4 -866628.6 -1454437.2 81.64

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 29475.7 165596.8 94853.8 213732.1 24811.4 62.93
  5040 52309.0 314686.6 67019.7 315555.8 51439.8 86.71
  5032 114982.6 -19790.3 85617.3 143068.6 -27018.8 18.29
  4932 15273.7 76368.7 59666.9 112576.0 12055.4 58.62
  4940 98112.9 490564.5 40911.4 494689.0 93988.4 84.18
MIN Cent -131745.9 -656995.3 9003.9 -126569.0 -662172.1 5.64
  5040 -197776.6 -647978.6 14421.3 -192162.8 -653592.4 6.33
  5032 -158794.9 -1127942.4 14516.3 -155971.6 -1130765.7 3.09
  4932 -116307.4 -581537.2 815.9 -114849.7 -582995.0 3.20
  4940 -54104.6 -270523.0 828.0 -51413.4 -273214.1 6.32

```

```

NODE Vxx Vyy
-----

```

```

-----
MAX Cent -2567.0 63262.4
  5040 -5134.1 268840.1
  5032 -5134.1 -142315.2
  4932  -0.0 -142315.2
  4940  -0.0 268840.1
MIN Cent -42134.9 -797328.1
  5040 -84269.7 -627196.4
  5032 -84269.7 -967459.8
  4932  -0.0 -967459.8

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4940 -0.0 -627196.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1896 3 4 env SL~1 MAX Cent 5199862.3 -996912.2 958892.1 5333759.8 -997292.9 7.95
 5032 4958919.8 -904063.0 958892.1 5099429.0 -950543.2 8.34
 5024 4958919.8 -1043680.3 958892.1 5095566.7 -1044064.9 8.11
 4924 5441181.6 -1043680.3 958892.1 5568997.1 -1044044.1 7.59
 4932 5441181.6 -904063.0 958892.1 5572251.4 -950520.9 7.79
 MIN Cent -1469563.5 -1613667.9 -135024.5 -1266690.0 -1745955.6 -56.40
 5032 -1436699.4 -1516608.8 -135024.5 -1173436.7 -1655552.5 -62.87
 5024 -1436699.4 -1710726.9 -135024.5 -1317391.4 -1845776.4 -41.46
 4924 -1502663.6 -1710726.9 -135024.5 -1350543.8 -1836956.9 -48.45
 4932 -1502663.6 -1516608.8 -135024.5 -1185270.0 -1646243.6 -66.99

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -19957.6 -94443.7 87142.1 -3913.7 -99334.9 23.95
 5032 -24060.0 -25873.8 65464.3 -3868.2 -46065.7 43.77
 5024 31048.1 -335991.6 79094.3 44844.2 -338471.7 10.01
 4924 -15278.8 -76394.2 57694.1 -12988.9 -78684.1 10.76
 4932 15273.7 76368.7 44064.0 99036.8 11238.6 62.52
 MIN Cent -209781.1 -1039421.0 18616.7 -206269.1 -1042933.0 3.71
 5032 -299253.6 -1156034.1 20105.6 -296688.7 -1158599.0 3.13
 5024 -246984.9 -1537221.1 25378.2 -244489.8 -1539716.2 2.52
 4924 -176578.3 -882891.7 11340.6 -174943.9 -884526.2 2.75
 4932 -116307.4 -581537.2 6063.3 -115055.0 -582789.7 2.97

NODE Vxx Vyy

MAX Cent -4491.6 -292145.8
 5032 -8983.1 -142315.2
 5024 -8983.1 -205809.3
 4924 0.0 -205809.3
 4932 0.0 -142315.2
 MIN Cent -33788.6 -1059492.6
 5032 -67577.3 -967459.8
 5024 -67577.3 -1151525.4
 4924 -0.0 -1151525.4
 4932 -0.0 -967459.8

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1897 3 4 env SL~1 MAX Cent 4974984.3 -1059607.5 2386950.7 5729308.8 -1123339.8 17.55
 5024 4564567.4 -1057034.9 2386950.7 5372364.3 -1123967.1 18.71
 5016 4564567.4 -1062180.1 2386950.7 5344044.5 -1128980.4 18.10
 4916 5385401.2 -1062180.1 2386950.7 6092541.0 -1122998.3 16.51

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4924 5385401.2 -1057034.9 2386950.7 6116451.0 -1117962.9 17.04
MIN Cent -1475310.2 -1905696.2 -480429.7 -1000883.6 -2654552.3 -44.81
5024 -1422862.3 -1756548.1 -480429.7 -968767.7 -2558959.9 -43.55
5016 -1422862.3 -2054844.3 -480429.7 -978702.9 -2827966.0 -42.92
4916 -1527758.1 -2054844.3 -480429.7 -1032082.9 -2756313.2 -46.06
4924 -1527758.1 -1756548.1 -480429.7 -1020987.0 -2482490.4 -46.70

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

MAX Cent -40941.5 -194111.5 38285.5 -40589.3 -194463.7 -2.74
5024 -61884.0 -337850.7 16747.1 -61399.8 -338334.8 -2.40
5016 -659.4 -280826.9 31542.6 2762.5 -284248.9 6.27
4916 -8144.2 -40720.8 31788.5 -8097.4 -40767.5 2.17
4924 -15278.8 -76394.2 16930.1 -13756.5 -77916.5 -8.86
MIN Cent -250635.2 -1237547.0 -7600.1 -250479.3 -1237703.0 0.72
5024 -335479.8 -1554920.1 -11568.9 -335478.0 -1554921.9 0.07
5016 -299143.0 -1555677.3 -593.3 -298893.3 -1555927.1 0.81
4916 -191339.8 -956699.0 921.4 -191042.9 -956996.0 1.13
4924 -176578.3 -882891.7 -10022.4 -176576.5 -882893.6 -0.09

```

```

NODE Vxx Vyy

```

```

MAX Cent 3061.3 9666.5
5024 6122.7 -205809.3
5016 6122.7 225142.3
4916 0.0 225142.3
4924 0.0 -205809.3
MIN Cent -17881.0 -1095023.2
5024 -35761.9 -1151525.4
5016 -35761.9 -1038521.0
4916 0.0 -1038521.0
4924 0.0 -1151525.4

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

1898 3 4 env SL~1 MAX Cent 4867692.3 -482020.8 4293612.3 7107231.0 -1061066.7 27.55
5016 4213153.5 -1063851.1 4293612.3 6409828.7 -1513886.8 27.09
5008 4213153.5 142200.1 4293612.3 6816073.7 -711718.7 31.23
4908 5522489.7 142200.1 4293612.3 7805963.0 -613976.8 28.01
4916 5522489.7 -1063851.1 4293612.3 7472098.0 -1456626.8 24.42
MIN Cent -1328024.9 -1202704.5 -1026324.0 -141692.7 -3417427.1 -49.24
5016 -1220360.6 -2075483.6 -1026324.0 -311645.0 -4245146.1 -41.60
5008 -1220360.6 -590300.3 -1026324.0 168254.6 -2910299.6 -53.53
4908 -1435947.9 -590300.3 -1026324.0 96965.4 -2593722.1 -56.19
4916 -1435947.9 -2075483.6 -1026324.0 -427135.4 -4001378.1 -44.62

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent -11186.5 -36757.6 -7974.3 -8903.5 -39040.5 -15.98
5016 -47222.4 -290139.5 -17337.4 -45396.5 -291965.3 -4.94
5008 1355.6 129596.8 -4483.0 129753.3 1199.1 -88.00
4908 16140.3 80701.6 13970.1 83594.8 13247.0 78.30
4916 -8144.2 -40720.8 -5747.2 -7096.8 -41768.2 -10.01
MIN Cent -208309.9 -1055425.0 -44736.6 -205953.9 -1057781.0 -3.01
5016 -285601.0 -1552968.9 -46958.8 -283863.5 -1554706.5 -2.12
5008 -219666.0 -1028867.7 -61362.4 -215039.3 -1033494.4 -4.31
4908 -136632.9 -683164.4 -35489.3 -134338.0 -685459.3 -3.70
4916 -191339.8 -956699.0 -21085.8 -190759.3 -957279.5 -1.58

```

NODE Vxx Vyy

```

-----
MAX Cent 5614.4 224820.5
5016 11228.8 225142.3
5008 11228.8 224498.6
4908 0.0 224498.6
4916 0.0 225142.3
MIN Cent 716.9 -815210.7
5016 1433.7 -1038521.0
5008 1433.7 -591900.4
4908 0.0 -591900.4
4916 0.0 -1038521.0

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
1899 3 4 env SL~1 MAX Cent 5733779.2 -66682.0 913893.7 5874360.8 -207263.6 8.75
4996 5733779.2 1586367.6 913893.7 5926228.1 1393918.7 11.89
4988 5733779.2 -475324.4 913893.7 5844198.2 -934654.7 6.89
4888 5733779.2 -475324.4 913893.7 5844198.2 -934654.7 6.89
4896 5733779.2 1586367.6 913893.7 5926228.1 1393918.7 11.89
MIN Cent -1424588.0 -965877.7 -226419.0 -875145.8 -1515319.9 -67.88
4996 -1424588.0 -1416302.8 -226419.0 -1197612.2 -1643759.2 -45.59
4988 -1424588.0 -1759859.9 -226419.0 -463578.2 -1869352.0 -76.92
4888 -1424588.0 -1759859.9 -226419.0 -463578.2 -1869352.0 -76.92
4896 -1424588.0 -1416302.8 -226419.0 -1197612.2 -1643759.2 -45.59

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 424482.8 2122413.8 53556.2 2124064.4 422832.2 88.22
4996 767799.7 3838998.7 85830.0 3841361.2 765437.3 88.41
4988 496616.4 2483082.2 85830.0 2486730.8 492967.8 87.55
4888 165569.9 827849.5 25802.0 828809.6 164609.7 87.82
4896 267944.9 1339724.7 25802.0 1340318.5 267351.1 88.65
MIN Cent 28991.9 144959.4 -9298.2 145627.3 28324.0 -85.67
4996 25111.7 125558.4 -14680.8 127523.2 23146.9 -82.11
4988 70011.7 350058.3 -14680.8 350775.0 69295.0 -87.11
4888 19045.1 95225.4 -4657.4 95457.1 18813.4 -86.85
4896 1799.1 8995.4 -4657.4 10933.4 -138.9 -65.27

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	3586624.5
4996	0.0	4315293.3
4988	0.0	2857955.8
4888	-0.0	2857955.8
4896	-0.0	4315293.3
MIN Cent	-0.0	319459.7
4996	0.0	197134.1
4988	0.0	439999.3
4888	-0.0	439999.3
4896	-0.0	197134.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1900	3	4	env SL~1	MAX Cent	5507574.0	-590681.1	140508.3	5510506.7	-745138.7	1.20
				4988	5507574.0	-461957.4	140508.3	5510278.1	-925047.3	1.10
				4980	5507574.0	-564534.6	140508.3	5510777.5	-565236.9	1.31
				4880	5507574.0	-564534.6	140508.3	5510777.5	-565236.9	1.31
				4888	5507574.0	-461957.4	140508.3	5510278.1	-925047.3	1.10
				MIN Cent	-1357553.2	-1237730.6	-165989.1	-630680.8	-1357576.5	89.68
				4988	-1357553.2	-1805060.9	-165989.1	-502026.0	-1807609.2	89.72
				4980	-1357553.2	-759362.3	-165989.1	-759334.1	-1357581.5	89.61
				4880	-1357553.2	-759362.3	-165989.1	-759334.1	-1357581.5	89.61
				4888	-1357553.2	-1805060.9	-165989.1	-502026.0	-1807609.2	89.72

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	329939.2	1649695.8	2903.1	1649697.3	329937.7	-89.94
4988	496616.4	2483082.2	3908.5	2483082.6	496616.0	-89.97
4980	491970.1	2459850.5	3908.5	2459851.0	491969.6	-89.97
4880	165600.2	828001.1	2037.4	828005.5	165595.8	-89.85
4888	165569.9	827849.5	2037.4	827853.9	165565.5	-89.85
MIN Cent	41383.4	206916.8	-2538.4	206946.8	41353.4	89.23
4988	70011.7	350058.3	-1496.2	350097.5	69972.5	89.32
4980	60863.6	304317.9	-1496.2	304363.0	60818.5	89.22
4880	15613.2	78065.8	-3966.8	78092.6	15586.4	88.81
4888	19045.1	95225.4	-3966.8	95247.4	19023.1	89.03

NODE	Vxx	Vyy

MAX Cent	0.0	2837768.7
4988	0.0	2857955.8
4980	0.0	2817581.7
4880	0.0	2817581.7
4888	0.0	2857955.8
MIN Cent	0.0	415325.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4988 0.0 439999.3
4980 0.0 390651.0
4880 -0.0 390651.0
4888 -0.0 439999.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1901	3	4	env SL~1	MAX Cent	5605204.6	-563471.1	221676.3	5612931.9	-568663.3	2.00
				4980	5605204.6	-557294.0	221676.3	5613054.2	-562500.0	2.03
				4972	5605204.6	-569648.1	221676.3	5612813.3	-574826.7	1.97
				4872	5605204.6	-569648.1	221676.3	5612813.3	-574826.7	1.97
				4880	5605204.6	-557294.0	221676.3	5613054.2	-562500.0	2.03
				MIN Cent	-1376949.3	-749734.5	-218190.9	-726750.8	-1377883.0	87.83
				4980	-1376949.3	-763241.5	-218190.9	-762254.0	-1377936.9	87.70
				4972	-1376949.3	-848588.6	-218190.9	-691242.0	-1377834.6	87.94
				4872	-1376949.3	-848588.6	-218190.9	-691242.0	-1377834.6	87.94
				4880	-1376949.3	-763241.5	-218190.9	-762254.0	-1377936.9	87.70

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
------	-----	-----	-----	------	------	-------

MAX Cent	335177.3	1675886.5	3582.5	1675922.4	335141.4	-89.70
4980	491970.1	2459850.5	4877.8	2459893.1	491927.5	-89.73
4972	510776.8	2553884.0	4877.8	2553925.1	510735.8	-89.74
4872	172362.1	861810.3	2482.0	861847.3	172325.1	-89.58
4880	165600.2	828001.1	2482.0	828039.6	165561.7	-89.56
MIN Cent	34272.4	171362.1	-7489.4	171424.1	34210.4	88.78
4980	60863.6	304317.9	-9620.4	304393.6	60787.8	88.99
4972	49033.3	245166.4	-9620.4	245260.4	48939.3	88.75
4872	11579.7	57898.3	-5666.3	57964.1	11513.8	87.84
4880	15613.2	78065.8	-5666.3	78114.7	15564.3	88.40

NODE	Vxx	Vyy
------	-----	-----

MAX Cent	-0.0	2869573.9
4980	0.0	2817581.7
4972	0.0	2921566.1
4872	0.0	2921566.1
4880	0.0	2817581.7
MIN Cent	-0.0	356995.9
4980	-0.0	390651.0
4972	-0.0	323340.7
4872	0.0	323340.7
4880	0.0	390651.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1902	3	4	env SL~1	MAX Cent	5586889.7	-538591.5	212858.1	5593879.2	-552943.4	1.89

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4972 5586889.7 -568652.9 212858.1 5593867.6 -582822.9 1.89
4964 5586889.7 -508530.0 212858.1 5593890.7 -523068.6 1.90
4864 5586889.7 -508530.0 212858.1 5593890.7 -523068.6 1.90
4872 5586889.7 -568652.9 212858.1 5593867.6 -582822.9 1.89
MIN Cent -1371319.0 -844146.1 -269745.8 -688996.1 -1382977.7 82.92
4972 -1371319.0 -852365.1 -269745.8 -680592.5 -1382838.4 83.00
4964 -1371319.0 -835927.2 -269745.8 -697396.5 -1383120.2 82.83
4864 -1371319.0 -835927.2 -269745.8 -697396.5 -1383120.2 82.83
4872 -1371319.0 -852365.1 -269745.8 -680592.5 -1382838.4 83.00

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 342284.8 1711424.1 2492.1 1711432.5 342276.5 -89.86
4972 510776.8 2553884.0 3202.4 2553890.5 510770.4 -89.90
4964 512850.6 2564253.2 3202.4 2564259.6 512844.2 -89.90
4864 173149.8 865749.0 1888.4 865763.5 173135.3 -89.74
4872 172362.1 861810.3 1888.4 861824.9 172347.5 -89.74
MIN Cent 28031.3 140156.7 -3923.2 140186.3 28001.8 89.07
4972 49033.3 245166.4 -4087.2 245201.2 48998.5 89.24
4964 42237.2 211186.2 -4087.2 211226.6 42196.9 89.11
4864 9275.2 46376.0 -4489.9 46411.7 9239.5 88.22
4872 11579.7 57898.3 -4489.9 57926.9 11551.0 88.58

```

NODE Vxx Vyy

```

MAX Cent 0.0 2927117.6
4972 0.0 2921566.1
4964 0.0 2932669.0
4864 0.0 2932669.0
4872 0.0 2921566.1
MIN Cent 0.0 303952.6
4972 -0.0 323340.7
4964 -0.0 284564.4
4864 0.0 284564.4
4872 0.0 323340.7

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1903 3 4 env SL~1 MAX Cent 5616442.8 -494265.1 284071.8 5621667.5 -529170.6 1.65
4964 5616442.8 -506756.9 284071.8 5621560.5 -541477.7 1.62
4956 5616442.8 -481773.2 284071.8 5621779.0 -516865.6 1.69
4856 5616442.8 -481773.2 284071.8 5621779.0 -516865.6 1.69
4864 5616442.8 -506756.9 284071.8 5621560.5 -541477.7 1.62
MIN Cent -1384105.7 -763466.3 -308300.6 -732920.9 -1417364.8 77.78
4964 -1384105.7 -830077.4 -308300.6 -682280.7 -1414910.1 78.64
4956 -1384105.7 -816310.5 -308300.6 -783208.9 -1420211.0 76.79
4856 -1384105.7 -816310.5 -308300.6 -783208.9 -1420211.0 76.79
4864 -1384105.7 -830077.4 -308300.6 -682280.7 -1414910.1 78.64

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	330456.7	1652283.7	5855.9	1652304.8	330435.6	89.77
4964	512850.6	2564253.2	10219.0	2564298.6	512805.2	89.73
4956	475320.7	2376603.6	10219.0	2376652.6	475271.7	89.71
4856	160505.8	802528.8	2159.0	802532.7	160501.8	89.86
4864	173149.8	865749.0	2159.0	865752.7	173146.1	89.87
MIN Cent	25435.1	127175.5	-406.0	127180.4	25430.2	89.60
4964	42237.2	211186.2	337.9	211190.3	42233.2	89.72
4956	41035.8	205179.2	337.9	205183.4	41031.7	89.71
4856	9192.1	45960.4	-2913.7	45970.7	9181.8	89.04
4864	9275.2	46376.0	-2913.7	46386.3	9265.0	89.05

NODE	Vxx	Vyy

MAX Cent	0.0	2825248.1
4964	0.0	2932669.0
4956	0.0	2717827.1
4856	0.0	2717827.1
4864	0.0	2932669.0
MIN Cent	0.0	279737.3
4964	0.0	284564.4
4956	0.0	274910.2
4856	-0.0	274910.2
4864	-0.0	284564.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1904	3	4	env SL~1	MAX Cent	5640885.9	-338331.8	392578.3	5659768.1	-407704.8	3.16
				4956	5640885.9	-475535.9	392578.3	5659806.3	-535948.0	3.17
				4948	5640885.9	-201127.7	392578.3	5659730.0	-274911.0	3.15
				4848	5640885.9	-201127.7	392578.3	5659730.0	-274911.0	3.15
				4856	5640885.9	-475535.9	392578.3	5659806.3	-535948.0	3.17
				MIN Cent	-1375711.5	-721495.1	-273305.7	-702458.1	-1397038.5	80.45
				4956	-1375711.5	-814631.7	-273305.7	-792650.0	-1400457.0	79.01
				4948	-1375711.5	-628358.4	-273305.7	-611585.5	-1394408.1	81.57
				4848	-1375711.5	-628358.4	-273305.7	-611585.5	-1394408.1	81.57
				4856	-1375711.5	-814631.7	-273305.7	-792650.0	-1400457.0	79.01

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	255024.8	1275123.9	50396.9	1277554.0	252594.7	87.21
4956	475320.7	2376603.6	80526.7	2379957.2	471967.2	87.60
4948	291938.7	1459693.3	80526.7	1465137.7	286494.3	86.10
4848	92334.0	461670.0	24540.6	463228.4	90775.6	86.29
4856	160505.8	802528.8	24540.6	803427.8	159606.7	87.86
MIN Cent	20115.9	100579.4	4043.2	100840.6	19854.7	86.74
4956	41035.8	205179.2	6378.0	205475.9	40739.2	87.57

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4948 26394.5 131972.7 6378.0 132432.8 25934.5 86.23
4848 -14702.1 -73510.5 2044.2 -14362.6 -73850.1 4.33
4856 9192.1 45960.4 2044.2 46135.5 9017.0 86.06

```

```

NODE Vxx Vyy

```

```

MAX Cent -0.0 2220516.5

```

```

4956 0.0 2717827.1
4948 0.0 1723205.8
4848 -0.0 1723205.8
4856 -0.0 2717827.1

```

```

MIN Cent -0.0 234808.2

```

```

4956 0.0 274910.2
4948 0.0 194706.2
4848 -0.0 194706.2
4856 -0.0 274910.2

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

1905 3 4 env SL~1 MAX Cent 5550608.8 -469570.4 674119.6 5617356.3 -478018.4 5.74

```

```

4948 5550608.8 -206377.3 674119.6 5621794.7 -215930.4 6.12
4940 5550608.8 -732763.5 674119.6 5613434.2 -740334.9 5.41
4840 5550608.8 -732763.5 674119.6 5613434.2 -740334.9 5.41
4848 5550608.8 -206377.3 674119.6 5621794.7 -215930.4 6.12

```

```

MIN Cent -1378801.5 -1037847.5 -26839.5 -733398.4 -1385433.6 85.80

```

```

4948 -1378801.5 -628976.5 -26839.5 -623283.9 -1384494.1 85.04
4940 -1378801.5 -1464344.7 -26839.5 -845558.1 -1525248.2 84.92
4840 -1378801.5 -1464344.7 -26839.5 -845558.1 -1525248.2 84.92
4848 -1378801.5 -628976.5 -26839.5 -623283.9 -1384494.1 85.04

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

MAX Cent 126522.8 632614.0 29395.3 634258.4 124878.4 86.74

```

```

4948 291938.7 1459693.3 47207.2 1461556.1 290075.9 87.71
4940 99314.7 496573.6 47207.2 501984.4 93903.9 83.39
4840 22503.8 112519.1 14160.2 114553.6 20469.3 81.54
4848 92334.0 461670.0 14160.2 462176.3 91827.6 87.88

```

```

MIN Cent -20261.9 -101309.4 1184.6 -19458.8 -102112.4 5.66

```

```

4948 26394.5 131972.7 1831.9 132025.6 26341.7 88.72
4940 -54075.1 -270375.4 1831.9 -52907.1 -271543.3 4.19
4840 -44025.6 -220128.2 642.2 -44013.5 -220140.3 0.48
4848 -14702.1 -73510.5 642.2 -14665.8 -73546.8 1.42

```

```

NODE Vxx Vyy

```

```

MAX Cent 0.0 1193160.7

```

```

4948 0.0 1723205.8
4940 0.0 663115.7

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4840  -0.0 663115.7
4848  -0.0 1723205.8
MIN Cent  -0.0 157156.8
4948  0.0 194706.2
4940  0.0 -86757.6
4840  -0.0 -86757.6
4848  -0.0 194706.2

```

```

ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
1906   3    4  env SL~1 MAX Cent 5460996.6 -817417.8 441766.5 5489199.4 -851716.2 3.65
      4940 5460996.6 -746677.4 441766.5 5489257.2 -781933.1 3.66
      4932 5460996.6 -888158.3 441766.5 5489141.8 -921549.2 3.65
      4832 5460996.6 -888158.3 441766.5 5489141.8 -921549.2 3.65
      4840 5460996.6 -746677.4 441766.5 5489257.2 -781933.1 3.66
MIN Cent -1436369.5 -1502281.0 -36265.7 -926690.2 -1544088.4 66.31
      4940 -1436369.5 -1482924.6 -36265.7 -784582.1 -1521150.1 71.07
      4932 -1436369.5 -1521637.3 -36265.7 -1056622.2 -1579194.3 59.51
      4832 -1436369.5 -1521637.3 -36265.7 -1056622.2 -1579194.3 59.51
      4840 -1436369.5 -1482924.6 -36265.7 -784582.1 -1521150.1 71.07

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent 32118.8 160594.0 15420.4 162295.0 30417.8 83.48
      4940 99314.7 496573.6 25437.4 498121.5 97766.8 86.44
      4932 14816.5 74082.5 25437.4 83120.3 10607.4 70.01
      4832 -309.0 -1544.8 6870.7 2008.6 -3862.4 38.92
      4840 22503.8 112519.1 6870.7 112965.7 22057.3 85.98
MIN Cent -70009.3 -350046.5 4258.6 -69831.7 -350224.2 1.44
      4940 -54075.1 -270375.4 6665.0 -53129.2 -271321.2 3.78
      4932 -116525.9 -582629.6 6665.0 -116085.5 -583070.1 1.76
      4832 -65410.6 -327052.9 874.6 -65407.7 -327055.8 0.19
      4840 -44025.6 -220128.2 874.6 -44021.3 -220132.6 0.28

```

```

NODE   Vxx   Vyy
-----
MAX Cent 0.0 430736.4
      4940 0.0 663115.7
      4932 0.0 198357.2
      4832 -0.0 198357.2
      4840 -0.0 663115.7
MIN Cent -0.0 -264020.6
      4940 -0.0 -86757.6
      4932 -0.0 -441283.6
      4832 -0.0 -441283.6
      4840 -0.0 -86757.6

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1907	3	4	env SL~1	MAX Cent	5434128.3	-995834.4	370814.8	5449383.6	-996779.4	2.68
				4932	5434128.3	-895825.3	370814.8	5449640.4	-942910.0	2.73
				4924	5434128.3	-1049723.1	370814.8	5449135.0	-1050649.5	2.64
				4824	5434128.3	-1049723.1	370814.8	5449135.0	-1050649.5	2.64
				4832	5434128.3	-895825.3	370814.8	5449640.4	-942910.0	2.73
				MIN Cent	-1494657.5	-1649666.8	-50318.2	-1159163.4	-1663359.0	55.62
				4932	-1494657.5	-1527532.7	-50318.2	-1074519.7	-1623313.9	61.35
				4924	-1494657.5	-1771800.8	-50318.2	-1231940.9	-1785261.3	48.85
				4824	-1494657.5	-1771800.8	-50318.2	-1231940.9	-1785261.3	48.85
				4832	-1494657.5	-1527532.7	-50318.2	-1074519.7	-1623313.9	61.35
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	-3237.2	-16185.9	13266.7	-790.3	-18632.8	21.74
				4932	14816.5	74082.5	22125.5	81055.7	9956.9	72.02
				4924	-14505.6	-72528.0	22125.5	-13072.4	-73961.1	8.83
				4824	-9844.6	-49222.8	5695.4	-9537.5	-49529.8	5.03
				4832	-309.0	-1544.8	5695.4	2618.1	-4471.9	39.98
				MIN Cent	-110957.2	-554786.1	5457.4	-110863.7	-554879.6	0.83
				4932	-116525.9	-582629.6	8556.3	-116141.8	-583013.8	1.64
				4924	-176113.4	-880567.0	8556.3	-175859.1	-880821.3	1.09
				4824	-85779.0	-428895.0	549.5	-85778.1	-428895.8	0.09
				4832	-65410.6	-327052.9	549.5	-65409.4	-327054.0	0.12
				NODE	Vxx	Vyy				
				MAX Cent	0.0	31762.4				
				4932	0.0	198357.2				
				4924	0.0	-40239.2				
				4824	0.0	-40239.2				
				4832	0.0	198357.2				
				MIN Cent	-0.0	-610574.5				
				4932	-0.0	-441283.6				
				4924	-0.0	-779865.5				
				4824	-0.0	-779865.5				
				4832	-0.0	-441283.6				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1908	3	4	env SL~1	MAX Cent	5357530.5	-1095632.9	297982.0	5357885.1	-1101443.8	0.40
				4924	5357530.5	-1053715.1	297982.0	5357897.8	-1059615.2	0.41
				4916	5357530.5	-1137550.8	297982.0	5357873.3	-1143275.0	0.39
				4816	5357530.5	-1137550.8	297982.0	5357873.3	-1143275.0	0.39
				4824	5357530.5	-1053715.1	297982.0	5357897.8	-1059615.2	0.41
				MIN Cent	-1510109.4	-2043322.9	-126729.1	-1312747.4	-2043461.4	57.40
				4924	-1510109.4	-1787547.1	-126729.1	-1341241.6	-1787690.6	53.22

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4916 -1510109.4 -2299098.7 -126729.1 -1281626.7 -2299232.6 61.08
 4816 -1510109.4 -2299098.7 -126729.1 -1281626.7 -2299232.6 61.08
 4824 -1510109.4 -1787547.1 -126729.1 -1341241.6 -1787690.6 53.22

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -10004.6 -50022.9 2474.2 -9994.5 -50033.0 -0.91
 4924 -14505.6 -72528.0 5188.6 -14472.6 -72560.9 -1.36
 4916 -8280.6 -41402.9 5188.6 -8222.9 -41460.5 -2.39
 4816 -7387.6 -36938.2 571.5 -7387.6 -36938.2 0.02
 4824 -9844.6 -49222.8 571.5 -9844.5 -49222.8 0.02
 MIN Cent -135065.8 -675329.2 -3445.0 -135043.9 -675351.2 -0.37
 4924 -176113.4 -880567.0 -1996.8 -176107.7 -880572.7 -0.16
 4916 -189036.2 -945180.8 -1996.8 -189030.9 -945186.0 -0.15
 4816 -89334.8 -446674.1 -4642.5 -89274.5 -446734.4 -0.74
 4824 -85779.0 -428895.0 -4642.5 -85716.2 -428957.8 -0.78

NODE Vxx Vyy

MAX Cent 0.0 -23974.0
 4924 0.0 -40239.2
 4916 0.0 -7708.9
 4816 0.0 -7708.9
 4824 0.0 -40239.2
 MIN Cent 0.0 -820298.2
 4924 -0.0 -779865.5
 4916 -0.0 -860731.0
 4816 -0.0 -860731.0
 4824 -0.0 -779865.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1909 3 4 env SL~1 MAX Cent 5547609.0 -467716.3 193861.1 5614320.0 -484255.9 -5.87
 4916 5547609.0 -1115972.1 193861.1 5603978.1 -1142716.7 -5.01
 4908 5547609.0 229120.2 193861.1 5628925.2 205373.5 -7.08
 4808 5547609.0 229120.2 193861.1 5628925.2 205373.5 -7.08
 4816 5547609.0 -1115972.1 193861.1 5603978.1 -1142716.7 -5.01
 MIN Cent -1438722.3 -1076580.1 -691512.8 -1031252.5 -1444019.2 83.50
 4916 -1438722.3 -2260429.0 -691512.8 -1319053.9 -2319898.7 68.78
 4908 -1438722.3 -739929.2 -691512.8 -737837.3 -1441780.4 86.87
 4808 -1438722.3 -739929.2 -691512.8 -737837.3 -1441780.4 86.87
 4816 -1438722.3 -2260429.0 -691512.8 -1319053.9 -2319898.7 68.78

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 367.7 1838.6 -3996.2 5436.6 -3230.2 -49.89
 4916 -8280.6 -41402.9 -6935.8 -6822.2 -42861.2 -11.60
 4908 15493.5 77467.3 -6935.8 78270.6 14690.1 -83.55

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4808 1645.6 8228.1 -1426.0 8704.7 1169.1 -75.44
4816 -7387.6 -36938.2 -1426.0 -7274.2 -37051.6 -3.54
MIN Cent -121903.2 -609516.0 -15954.7 -121381.7 -610037.5 -1.87
4916 -189036.2 -945180.8 -21884.1 -188403.3 -945813.6 -1.66
4908 -140272.4 -701362.0 -21884.1 -139420.2 -702214.3 -2.23
4808 -68969.4 -344847.1 -10785.1 -68548.4 -345268.1 -2.24
4816 -89334.8 -446674.1 -10785.1 -89009.6 -446999.3 -1.73

```

NODE Vxx Vyy

```

MAX Cent 0.0 55920.4
4916 0.0 -7708.9
4908 0.0 119549.6
4808 0.0 119549.6
4816 0.0 -7708.9
MIN Cent 0.0 -738148.1
4916 0.0 -860731.0
4908 0.0 -615565.3
4808 -0.0 -615565.3
4816 -0.0 -860731.0

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1910 3 4 env SL~1 MAX Cent 5713925.9 -165948.1 715787.8 5799808.1 -251830.3 6.84
4896 5713925.9 1057275.7 715787.8 5821468.2 949733.4 8.54
4888 5713925.9 -540678.3 715787.8 5785338.8 -828953.8 5.70
4788 5713925.9 -540678.3 715787.8 5785338.8 -828953.8 5.70
4796 5713925.9 1057275.7 715787.8 5821468.2 949733.4 8.54
MIN Cent -1415465.2 -920263.6 -174516.3 -866501.2 -1469227.6 -72.62
4896 -1415465.2 -1259901.3 -174516.3 -1149457.3 -1526266.6 -57.29
4888 -1415465.2 -1429119.5 -174516.3 -546655.7 -1499898.9 -78.81
4788 -1415465.2 -1429119.5 -174516.3 -546655.7 -1499898.9 -78.81
4796 -1415465.2 -1259901.3 -174516.3 -1149457.3 -1526266.6 -57.29

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 145237.2 726185.9 17559.7 726681.9 144741.1 88.33
4896 263616.3 1318081.6 28902.0 1318841.5 262856.4 88.46
4888 168326.0 841629.8 28902.0 842818.7 167137.1 87.60
4788 56643.5 283217.7 7802.5 283477.2 56384.0 88.06
4796 92731.3 463656.4 7802.5 463815.0 92572.6 88.82
MIN Cent 8112.2 40561.1 -3009.5 40762.1 7911.2 -85.51
4896 2543.5 12717.6 -4906.3 14389.3 871.8 -69.41
4888 18515.5 92577.5 -4906.3 92844.0 18249.1 -86.57
4788 -4727.6 -23637.8 -1382.7 -4723.0 -23642.3 -0.89
4796 2546.0 12729.9 -1382.7 12914.3 2361.6 -82.40

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  0.0 1221305.9
  4896  -0.0 1477156.2
  4888  -0.0 965455.6
  4788   0.0 965455.6
  4796   0.0 1477156.2
MIN Cent  -0.0 41737.4
  4896  -0.0 -1911.0
  4888  -0.0 85385.9
  4788   0.0 85385.9
  4796   0.0 -1911.0

```

```

ELEM  MAT  SEC  LC  NODE  Fxx  Fyy  Fxy  Fmax  Fmin  ANGLE
-----
1911   3    4  env SL~1 MAX Cent 5534124.8 -606297.1 196853.4 5539977.6 -703482.4 1.71
      4888 5534124.8 -529741.4 196853.4 5539675.2 -825036.5 1.62
      4880 5534124.8 -580389.5 196853.4 5540314.9 -581935.7 1.80
      4780 5534124.8 -580389.5 196853.4 5540314.9 -581935.7 1.80
      4788 5534124.8 -529741.4 196853.4 5539675.2 -825036.5 1.62
      MIN Cent -1360628.2 -1104735.8 -141047.3 -645910.2 -1360797.0 -89.12
      4888 -1360628.2 -1465049.3 -141047.3 -569506.1 -1470377.4 -89.20
      4880 -1360628.2 -744422.2 -141047.3 -722310.3 -1360817.2 -89.01
      4780 -1360628.2 -744422.2 -141047.3 -722310.3 -1360817.2 -89.01
      4788 -1360628.2 -1465049.3 -141047.3 -569506.1 -1470377.4 -89.20

```

```

      NODE  Mxx  Myy  Mxy  Mmax  Mmin  ANGLE
-----
      MAX Cent 111389.8 556949.1 2011.2 556956.9 111382.1 -89.76
      4888 168326.0 841629.8 2336.3 841633.1 168322.6 -89.87
      4880 165090.2 825451.1 2336.3 825454.5 165086.8 -89.87
      4780 55794.6 278973.2 1722.2 278986.2 55781.7 -89.56
      4788 56643.5 283217.7 1722.2 283230.5 56630.7 -89.57
      MIN Cent 10300.9 51504.7 -3308.0 51768.5 10037.0 -85.44
      4888 18515.5 92577.5 -2775.4 92613.5 18479.5 88.74
      4880 15726.9 78634.5 -2775.4 78676.9 15684.5 88.51
      4780 -5763.2 -28816.1 -3735.9 -5172.9 -29406.5 -8.98
      4788 -4727.6 -23637.8 -3735.9 -4016.2 -24349.1 -10.78

```

```

      NODE  Vxx  Vyy
-----

```

```

-----
MAX Cent  0.0 955135.4
  4888   0.0 965455.6
  4880   0.0 944815.3
  4780  -0.0 944815.3
  4788  -0.0 965455.6
MIN Cent  -0.0 78881.8
  4888   0.0 85385.9
  4880   0.0 72377.7
  4780  -0.0 72377.7

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4788 -0.0 85385.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1912	3	4	env SL~1	MAX Cent	5601245.8	-565967.3	206867.1	5607955.3	-571134.0	1.86
				4880	5601245.8	-574947.6	206867.1	5607995.7	-580094.6	1.87
				4872	5601245.8	-556987.0	206867.1	5607915.3	-562173.5	1.85
				4772	5601245.8	-556987.0	206867.1	5607915.3	-562173.5	1.85
				4780	5601245.8	-574947.6	206867.1	5607995.7	-580094.6	1.87
				MIN Cent	-1372737.0	-769339.9	-215207.2	-705541.0	-1373835.2	87.69
				4880	-1372737.0	-731006.3	-215207.2	-723808.6	-1373880.6	87.63
				4872	-1372737.0	-807673.4	-215207.2	-687271.8	-1373792.2	87.76
				4772	-1372737.0	-807673.4	-215207.2	-687271.8	-1373792.2	87.76
				4780	-1372737.0	-731006.3	-215207.2	-723808.6	-1373880.6	87.63
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	112786.7	563933.4	2330.8	563973.5	112746.6	-89.46
				4880	165090.2	825451.1	2809.9	825490.3	165050.9	-89.56
				4872	172341.4	861706.9	2809.9	861744.6	172303.8	-89.58
				4772	58189.3	290946.3	1913.7	290987.3	58148.2	-89.24
				4780	55794.6	278973.2	1913.7	279016.0	55751.8	-89.21
				MIN Cent	8422.0	42109.8	-4835.9	42592.8	7938.9	-83.22
				4880	15726.9	78634.5	-5656.4	78705.6	15655.8	88.08
				4872	11563.5	57817.7	-5656.4	57914.3	11466.9	87.39
				4772	-5713.6	-28568.2	-4163.9	-4978.6	-29303.2	-10.01
				4780	-5763.2	-28816.1	-4163.9	-5034.2	-29545.2	-9.93
				NODE	Vxx	Vyy				
				MAX Cent	0.0	965682.5				
				4880	0.0	944815.3				
				4872	0.0	986549.6				
				4772	-0.0	986549.6				
				4780	-0.0	944815.3				
				MIN Cent	-0.0	61597.7				
				4880	0.0	72377.7				
				4872	0.0	50817.7				
				4772	-0.0	50817.7				
				4780	-0.0	72377.7				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1913	3	4	env SL~1	MAX Cent	5594273.2	-532568.1	207977.8	5600988.3	-547445.3	1.86
				4872	5594273.2	-555651.0	207977.8	5600983.5	-570382.7	1.86
				4864	5594273.2	-509485.1	207977.8	5600993.2	-524510.8	1.86
				4764	5594273.2	-509485.1	207977.8	5600993.2	-524510.8	1.86

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4772 5594273.2 -555651.0 207977.8 5600983.5 -570382.7 1.86
MIN Cent -1370331.7 -806670.3 -264335.6 -684694.8 -1381310.2 83.15
4872 -1370331.7 -809166.7 -264335.6 -678037.3 -1381208.5 83.21
4864 -1370331.7 -804174.0 -264335.6 -691350.4 -1381413.7 83.08
4764 -1370331.7 -804174.0 -264335.6 -691350.4 -1381413.7 83.08
4772 -1370331.7 -809166.7 -264335.6 -678037.3 -1381208.5 83.21

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 115488.2 577441.2 1911.5 577459.7 115469.7 -89.64
4872 172341.4 861706.9 2162.2 861720.2 172328.1 -89.75
4864 173324.2 866621.0 2162.2 866634.2 173311.0 -89.75
4764 58321.5 291607.4 1689.0 291632.0 58296.9 -89.41
4772 58189.3 290946.3 1689.0 290970.9 58164.6 -89.41
MIN Cent 7042.6 35212.8 -3684.8 35686.8 6568.6 -82.67
4872 11563.5 57817.7 -3588.3 57864.1 11517.2 88.19
4864 9356.3 46781.4 -3588.3 46838.7 9299.0 87.76
4764 -6318.8 -31594.1 -3967.5 -5710.7 -32202.2 -8.71
4772 -5713.6 -28568.2 -3967.5 -5044.5 -29237.3 -9.57

```

NODE Vxx Vyy

```

MAX Cent 0.0 990121.7
4872 0.0 986549.6
4864 0.0 993693.8
4764 0.0 993693.8
4772 0.0 986549.6
MIN Cent 0.0 45531.4
4872 -0.0 50817.7
4864 -0.0 40245.2
4764 -0.0 40245.2
4772 -0.0 50817.7

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1914 3 4 env SL~1 MAX Cent 5616707.6 -495420.9 285336.2 5622525.1 -530619.3 1.74
4864 5616707.6 -507999.3 285336.2 5622431.2 -543010.1 1.72
4856 5616707.6 -482842.5 285336.2 5622622.2 -518230.5 1.77
4756 5616707.6 -482842.5 285336.2 5622622.2 -518230.5 1.77
4764 5616707.6 -507999.3 285336.2 5622431.2 -543010.1 1.72
MIN Cent -1380193.4 -743904.7 -298820.8 -717064.7 -1409382.3 78.62
4864 -1380193.4 -799754.3 -298820.8 -677975.5 -1407718.0 79.24
4856 -1380193.4 -784488.0 -298820.8 -755974.8 -1411245.3 77.94
4756 -1380193.4 -784488.0 -298820.8 -755974.8 -1411245.3 77.94
4764 -1380193.4 -799754.3 -298820.8 -677975.5 -1407718.0 79.24

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 110851.0 554255.1 1549.5 554255.5 110850.5 89.94
  4864 173324.2 866621.0 2740.5 866627.7 173317.5 89.82
  4856 158791.2 793956.1 2740.5 793963.4 158783.9 89.80
  4756 53135.9 265679.6 1516.5 265681.0 53134.5 -89.85
  4764 58321.5 291607.4 1516.5 291608.7 58320.2 -89.87
MIN Cent 3327.3 16636.7 -2565.5 17114.1 2849.9 -79.46
  4864 9356.3 46781.4 -1610.0 46801.6 9336.1 88.67
  4856 9008.9 45044.7 -1610.0 45065.7 8987.9 88.62
  4756 -8681.1 -43405.6 -3356.4 -8359.7 -43727.1 -5.47
  4764 -6318.8 -31594.1 -3356.4 -5880.7 -32032.2 -7.44

```

NODE Vxx Vyy

```

-----
MAX Cent 0.0 953209.1
  4864 -0.0 993693.8
  4856 -0.0 912724.4
  4756 0.0 912724.4
  4764 0.0 993693.8
MIN Cent 0.0 39803.7
  4864 -0.0 40245.2
  4856 -0.0 39362.3
  4756 0.0 39362.3
  4764 0.0 40245.2

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
1915 3 4 env SL~1 MAX Cent 5640452.8 -352883.4 416365.5 5658717.1 -430234.9 3.11
  4856 5640452.8 -477141.0 416365.5 5658681.0 -550551.5 3.10
  4848 5640452.8 -228625.9 416365.5 5658753.4 -310348.9 3.11
  4748 5640452.8 -228625.9 416365.5 5658753.4 -310348.9 3.11
  4756 5640452.8 -477141.0 416365.5 5658681.0 -550551.5 3.10
MIN Cent -1372775.7 -706816.4 -263021.9 -683237.5 -1399164.6 79.52
  4856 -1372775.7 -783004.4 -263021.9 -756617.4 -1402302.0 78.31
  4848 -1372775.7 -630628.4 -263021.9 -609332.0 -1396602.9 80.52
  4748 -1372775.7 -630628.4 -263021.9 -609332.0 -1396602.9 80.52
  4756 -1372775.7 -783004.4 -263021.9 -756617.4 -1402302.0 78.31

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 83398.4 416992.2 16654.2 417773.9 82616.7 87.23
  4856 158791.2 793956.1 27445.8 795096.4 157650.8 87.58
  4848 93199.0 465995.0 27445.8 467931.4 91262.6 85.89
  4748 28546.5 142732.6 7406.2 143208.3 28118.5 86.31
  4756 53135.9 265679.6 7406.2 265935.9 52879.6 88.01
MIN Cent -7610.5 -38052.6 1679.6 -7388.3 -38274.8 4.87
  4856 9008.9 45044.7 2494.2 45293.2 8760.5 85.27
  4848 -14410.2 -72050.9 2494.2 -13674.6 -72786.5 6.40
  4748 -17248.0 -86240.1 -749.6 -17239.9 -86248.3 -0.62
  4756 -8681.1 -43405.6 -749.6 -8665.0 -43421.8 -1.24

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	-0.0	735482.0
4856	-0.0	912724.4
4848	-0.0	558239.6
4748	0.0	558239.6
4756	0.0	912724.4
MIN Cent	-0.0	26376.7
4856	-0.0	39362.3
4848	-0.0	13391.1
4748	0.0	13391.1
4756	0.0	39362.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1916	3	4	env SL~1	MAX Cent	5558873.2	-484823.6	625193.4	5616660.1	-490240.5	5.36
				4848	5558873.2	-233903.5	625193.4	5620396.3	-239990.1	5.71
				4840	5558873.2	-735743.6	625193.4	5613348.4	-740623.5	5.06
				4740	5558873.2	-735743.6	625193.4	5613348.4	-740623.5	5.06
				4748	5558873.2	-233903.5	625193.4	5620396.3	-239990.1	5.71
				MIN Cent	-1380453.8	-995393.8	-42436.0	-743405.9	-1384550.4	86.96
				4848	-1380453.8	-632116.5	-42436.0	-628727.8	-1383908.9	87.42
				4840	-1380453.8	-1407028.0	-42436.0	-857963.9	-1459498.6	86.29
				4740	-1380453.8	-1407028.0	-42436.0	-857963.9	-1459498.6	86.29
				4748	-1380453.8	-632116.5	-42436.0	-628727.8	-1383908.9	87.42

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	36755.0	183774.8	9439.4	184316.6	36213.2	86.53
4848	93199.0	465995.0	15953.9	466636.0	92558.0	87.63
4840	22625.8	113129.2	15953.9	115701.1	20054.0	80.56
4740	3570.7	17853.4	3886.0	17949.2	3474.8	85.33
4748	28546.5	142732.6	3886.0	142859.4	28438.2	88.09
MIN Cent	-25737.6	-128688.2	507.1	-25735.1	-128690.7	0.28
4848	-14410.2	-72050.9	940.2	-14232.6	-72228.6	3.17
4840	-44079.9	-220399.4	940.2	-44021.6	-220457.6	1.04
4740	-27212.5	-136062.5	-1777.6	-27183.5	-136091.5	-0.94
4748	-17248.0	-86240.1	-1777.6	-17202.3	-86285.9	-1.47

NODE	Vxx	Vyy

MAX Cent	0.0	365308.7
4848	-0.0	558239.6
4840	-0.0	172377.9
4740	0.0	172377.9
4748	0.0	558239.6
MIN Cent	-0.0	-60559.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

4848 -0.0 13391.1
4840 -0.0 -145617.6
4740 -0.0 -145617.6
4748 -0.0 13391.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1917	3	4	env SL~1	MAX Cent 5470401.1	-816147.4	433917.2	5497680.5	-848294.8	3.61	
				4840 5470401.1	-748996.6	433917.2	5497772.1	-781996.3	3.62	
				4832 5470401.1	-883298.3	433917.2	5497589.4	-914635.7	3.60	
				4732 5470401.1	-883298.3	433917.2	5497589.4	-914635.7	3.60	
				4740 5470401.1	-748996.6	433917.2	5497772.1	-781996.3	3.62	
				MIN Cent -1435414.3	-1454810.0	-39468.2	-938608.3	-1526026.4	67.96	
				4840 -1435414.3	-1425404.6	-39468.2	-806817.4	-1507569.4	72.26	
				4832 -1435414.3	-1484215.3	-39468.2	-1060888.8	-1553939.5	61.77	
				4732 -1435414.3	-1484215.3	-39468.2	-1060888.8	-1553939.5	61.77	
				4740 -1435414.3	-1425404.6	-39468.2	-806817.4	-1507569.4	72.26	

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	2694.1	13470.3	4326.3	13987.9	2176.5	77.92
4840	22625.8	113129.2	7953.0	113734.8	22020.3	85.34
4832	-362.0	-1809.9	7953.0	2273.1	-4444.9	38.78
4732	742.2	3710.9	2236.3	4462.3	-9.2	65.80
4740	3570.7	17853.4	2236.3	18046.5	3377.6	83.41
MIN Cent	-42769.0	-213844.8	89.7	-42768.9	-213844.9	0.03
4840	-44079.9	-220399.4	2566.4	-44042.5	-220436.7	0.83
4832	-65409.5	-327047.6	2566.4	-65384.4	-327072.8	0.56
4732	-34374.0	-171869.9	-2008.0	-34344.7	-171899.2	-0.84
4740	-27212.5	-136062.5	-2008.0	-27175.5	-136099.5	-1.06

NODE Vxx Vyy

MAX Cent	0.0	88584.7
4840	-0.0	172377.9
4832	-0.0	4791.4
4732	0.0	4791.4
4740	0.0	172377.9
MIN Cent	0.0	-206775.2
4840	-0.0	-145617.6
4832	-0.0	-267932.8
4732	0.0	-267932.8
4740	0.0	-145617.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1918	3	4	env SL~1	MAX Cent 5440374.3	-977594.1	355664.5	5453715.3	-978718.9	2.52	

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4832 5440374.3 -890555.9 355664.5 5453954.1 -922047.5 2.56
4824 5440374.3 -1034289.9 355664.5 5453484.7 -1035391.3 2.48
4724 5440374.3 -1034289.9 355664.5 5453484.7 -1035391.3 2.48
4732 5440374.3 -890555.9 355664.5 5453954.1 -922047.5 2.56
MIN Cent -1488978.8 -1619135.5 -54748.4 -1152925.0 -1630969.9 57.64
4832 -1488978.8 -1490788.4 -54748.4 -1071091.1 -1600490.8 63.00
4824 -1488978.8 -1747482.7 -54748.4 -1224601.9 -1759105.9 51.15
4724 -1488978.8 -1747482.7 -54748.4 -1224601.9 -1759105.9 51.15
4732 -1488978.8 -1490788.4 -54748.4 -1071091.1 -1600490.8 63.00

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -3046.1 -15230.5 3493.6 -2411.9 -15864.7 12.54
4832 -362.0 -1809.9 6669.9 2945.8 -5117.7 39.83
4824 -9668.2 -48341.0 6669.9 -9265.6 -48743.6 5.80
4724 -2896.4 -14481.9 2453.9 -2575.2 -14781.8 9.42
4732 742.2 3710.9 2453.9 4628.1 -175.0 64.09
MIN Cent -56645.8 -283229.0 -138.7 -56645.7 -283229.1 -0.04
4832 -65409.5 -327047.6 2210.5 -65390.9 -327066.3 0.48
4824 -85657.0 -428285.1 2210.5 -85642.8 -428299.3 0.37
4724 -41142.7 -205713.3 -2127.1 -41115.2 -205740.8 -0.74
4732 -34374.0 -171869.9 -2127.1 -34341.1 -171902.8 -0.89

```

```

NODE Vxx Vyy
-----
MAX Cent -0.0 -33997.0
4832 -0.0 4791.4
4824 -0.0 -58461.8
4724 0.0 -58461.8
4732 0.0 4791.4
MIN Cent -0.0 -326114.7
4832 -0.0 -267932.8
4824 -0.0 -384296.6
4724 0.0 -384296.6
4732 0.0 -267932.8

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1919 3 4 env SL~1 MAX Cent 5384694.5 -1042104.6 295611.6 5384712.0 -1048024.1 0.15
4824 5384694.5 -1036870.4 295611.6 5384713.0 -1042801.2 0.15
4816 5384694.5 -1047338.9 295611.6 5384711.0 -1053247.0 0.15
4716 5384694.5 -1047338.9 295611.6 5384711.0 -1053247.0 0.15
4724 5384694.5 -1036870.4 295611.6 5384713.0 -1042801.2 0.15
MIN Cent -1502684.1 -1905947.6 -126915.8 -1280100.2 -1905947.6 59.66
4824 -1502684.1 -1758955.2 -126915.8 -1310503.2 -1758955.2 55.87
4816 -1502684.1 -2052940.0 -126915.8 -1247401.1 -2052940.0 62.96
4716 -1502684.1 -2052940.0 -126915.8 -1247401.1 -2052940.0 62.96
4724 -1502684.1 -1758955.2 -126915.8 -1310503.2 -1758955.2 55.87

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-5502.1	-27510.6	989.4	-5494.5	-27518.3	1.07
4824	-9668.2	-48341.0	711.8	-9667.7	-48341.5	0.20
4816	-7256.1	-36280.4	711.8	-7255.4	-36281.1	0.27
4716	-2187.8	-10939.2	1220.6	-2141.7	-10985.3	4.14
4724	-2896.4	-14481.9	1220.6	-2856.0	-14516.9	3.68
MIN Cent	-64302.8	-321514.1	-3806.3	-64246.5	-321570.4	-0.85
4824	-85657.0	-428285.1	-3484.1	-85621.6	-428320.5	-0.58
4816	-88666.3	-443331.6	-3484.1	-88632.1	-443365.8	-0.56
4716	-41745.3	-208726.4	-4064.0	-41646.4	-208825.3	-1.39
4724	-41142.7	-205713.3	-4064.0	-41042.4	-205813.6	-1.41

NODE	Vxx	Vyy
MAX Cent	-0.0	-51108.2
4824	0.0	-58461.8
4816	0.0	-43754.7
4716	0.0	-43754.7
4724	0.0	-58461.8
MIN Cent	-0.0	-394685.1
4824	-0.0	-384296.6
4816	-0.0	-405073.6
4716	-0.0	-405073.6
4724	-0.0	-384296.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1920	3	4	env SL~1	MAX Cent	5543564.3	-526444.0	277127.6	5586278.5	-559326.5	-4.75
				4816	5543564.3	-1029234.9	277127.6	5580838.0	-1044830.6	-4.18
				4808	5543564.3	27566.5	277127.6	5593408.2	-15301.1	-5.48
				4708	5543564.3	27566.5	277127.6	5593408.2	-15301.1	-5.48
				4716	5543564.3	-1029234.9	277127.6	5580838.0	-1044830.6	-4.18
				MIN Cent	-1435987.2	-1095574.6	-556663.3	-1006622.4	-1452658.5	78.99
				4816	-1435987.2	-2020525.1	-556663.3	-1260736.3	-2060090.4	64.52
				4808	-1435987.2	-745195.3	-556663.3	-735681.9	-1445944.7	83.89
				4708	-1435987.2	-745195.3	-556663.3	-735681.9	-1445944.7	83.89
				4716	-1435987.2	-2020525.1	-556663.3	-1260736.3	-2060090.4	64.52

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-1819.7	-9098.6	-424.3	-1712.5	-9205.9	-6.87
4816	-7256.1	-36280.4	-1487.7	-7132.6	-36403.9	-3.72
4808	1361.7	6808.4	-1487.7	7404.1	766.0	-72.57
4708	803.3	4016.7	478.6	4017.1	803.0	-89.41
4716	-2187.8	-10939.2	478.6	-2187.7	-10939.3	-0.22
MIN Cent	-58649.2	-293246.1	-8049.9	-58373.3	-293522.0	-1.96
4816	-88666.3	-443331.6	-10294.5	-88367.8	-443630.1	-1.66

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4808 -70351.1 -351755.3 -10294.5 -69975.0 -352131.4 -2.09
4708 -33834.3 -169171.3 -6083.7 -33561.3 -169444.2 -2.57
4716 -41745.3 -208726.4 -6083.7 -41523.9 -208947.8 -2.08

NODE Vxx Vyy

MAX Cent 0.0 -19467.3

4816 0.0 -43754.7
4808 0.0 4820.2
4708 -0.0 4820.2
4716 -0.0 -43754.7

MIN Cent 0.0 -360163.3

4816 -0.0 -405073.6
4808 -0.0 -315252.9
4708 -0.0 -315252.9
4716 -0.0 -405073.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1921 3 4 env SL~1 MAX Cent 5697782.4 -246665.8 564298.0 5750876.2 -299759.6 5.38

4796 5697782.4 659474.8 564298.0 5760211.1 597046.2 6.31
4788 5697782.4 -581708.9 564298.0 5743953.7 -750924.3 4.68
4688 5697782.4 -581708.9 564298.0 5743953.7 -750924.3 4.68
4696 5697782.4 659474.8 564298.0 5760211.1 597046.2 6.31

MIN Cent -1407234.9 -879112.2 -137927.6 -846326.8 -1440020.3 -76.41

4796 -1407234.9 -1136800.9 -137927.6 -1080839.4 -1463520.5 -67.60
4788 -1407234.9 -1192521.0 -137927.6 -598679.7 -1429978.7 -80.48
4688 -1407234.9 -1192521.0 -137927.6 -598679.7 -1429978.7 -80.48
4696 -1407234.9 -1136800.9 -137927.6 -1080839.4 -1463520.5 -67.60

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 52588.5 262942.4 4774.6 263044.6 52486.2 88.74

4796 91345.0 456725.2 8804.4 456930.8 91139.4 88.64
4788 57565.6 287828.2 8804.4 288154.2 57239.6 87.85
4688 24242.2 121211.1 1301.2 121225.1 24228.2 89.31
4696 37201.0 186005.0 1301.2 186014.1 37191.9 89.55

MIN Cent 677.5 3387.7 -919.4 3634.5 430.7 -73.88

4796 2802.1 14010.4 -1546.6 14219.9 2592.6 -82.29
4788 -4465.7 -22328.4 -1546.6 -4442.5 -22351.6 2.06
4688 -2819.8 -14098.8 -2131.0 -2430.6 -14488.0 -10.35
4696 1686.9 8434.6 -2131.0 9051.2 1070.3 -73.86

NODE Vxx Vyy

MAX Cent 0.0 381366.3

4796 0.0 471462.9
4788 0.0 291269.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4688 0.0 291269.7
4696 0.0 471462.9
MIN Cent 0.0 -36878.7
4796 0.0 -53521.2
4788 0.0 -20236.2
4688 0.0 -20236.2
4696 0.0 -53521.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1922	3	4	env SL~1	MAX Cent	5555002.4	-614524.0	226621.9	5562862.7	-669033.6	1.99
				4788	5555002.4	-572729.5	226621.9	5562605.6	-750563.5	1.92
				4780	5555002.4	-585383.0	226621.9	5563137.7	-587508.4	2.06
				4680	5555002.4	-585383.0	226621.9	5563137.7	-587508.4	2.06
				4688	5555002.4	-572729.5	226621.9	5562605.6	-750563.5	1.92
				MIN Cent	-1362221.6	-1000087.7	-126350.7	-653321.9	-1362945.4	-88.17
				4788	-1362221.6	-1221053.8	-126350.7	-611737.1	-1362905.3	-88.27
				4780	-1362221.6	-779121.7	-126350.7	-694901.8	-1362990.5	-88.06
				4680	-1362221.6	-779121.7	-126350.7	-694901.8	-1362990.5	-88.06
				4688	-1362221.6	-1221053.8	-126350.7	-611737.1	-1362905.3	-88.27

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	40180.8	200903.8	1571.2	200927.2	40157.3	-89.31
4788	57565.6	287828.2	1728.3	287840.7	57553.2	-89.58
4780	55641.1	278205.5	1728.3	278218.4	55628.2	-89.56
4680	23274.0	116370.2	1418.8	116420.3	23224.0	-88.67
4688	24242.2	121211.1	1418.8	121259.1	24194.1	-88.72
MIN Cent	-4095.8	-20479.0	-3306.2	-3453.7	-21121.1	-10.99
4788	-4465.7	-22328.4	-3149.2	-3926.7	-22867.3	-9.71
4780	-5804.6	-29023.2	-3149.2	-5385.1	-29442.8	-7.59
4680	-3293.1	-16465.7	-3440.2	-2448.8	-17310.0	-13.79
4688	-2819.8	-14098.8	-3440.2	-1853.3	-15065.3	-15.69

NODE	Vxx	Vyy
MAX Cent	-0.0	287116.9
4788	0.0	291269.7
4780	0.0	282964.0
4680	0.0	282964.0
4688	0.0	291269.7
MIN Cent	-0.0	-21136.7
4788	-0.0	-20236.2
4780	-0.0	-22037.2
4680	-0.0	-22037.2
4688	-0.0	-20236.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1923	3	4	env SL~1	MAX Cent	5600351.0	-564441.2	195003.0	5606312.4	-569485.2	1.76
				4780	5600351.0	-581281.5	195003.0	5606315.4	-586289.4	1.76
				4772	5600351.0	-547601.0	195003.0	5606309.5	-552681.4	1.76
				4672	5600351.0	-547601.0	195003.0	5606309.5	-552681.4	1.76
				4680	5600351.0	-581281.5	195003.0	5606315.4	-586289.4	1.76
				MIN Cent	-1369254.3	-773599.3	-213446.1	-688302.7	-1370185.0	87.91
				4780	-1369254.3	-770062.2	-213446.1	-696160.1	-1370201.6	87.89
				4772	-1369254.3	-777136.4	-213446.1	-680445.0	-1370168.8	87.93
				4672	-1369254.3	-777136.4	-213446.1	-680445.0	-1370168.8	87.93
				4680	-1369254.3	-770062.2	-213446.1	-696160.1	-1370201.6	87.89
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	40219.7	201098.5	1706.9	201151.7	40166.5	-88.96
				4780	55641.1	278205.5	1934.7	278251.4	55595.2	-89.18
				4772	58175.6	290877.9	1934.7	290921.8	58131.6	-89.21
				4672	23788.1	118940.4	1494.9	119017.5	23711.0	-88.37
				4680	23274.0	116370.2	1494.9	116449.0	23195.3	-88.33
				MIN Cent	-4512.8	-22564.2	-3935.1	-3820.6	-23256.5	-10.88
				4780	-5804.6	-29023.2	-4209.5	-5255.1	-29572.8	-8.65
				4772	-5718.6	-28592.9	-4209.5	-5161.1	-29150.3	-8.77
				4672	-3235.0	-16175.2	-3713.0	-2305.3	-17105.0	-14.52
				4680	-3293.1	-16465.7	-3713.0	-2377.8	-17381.0	-14.30
				NODE	Vxx	Vyy				
				MAX Cent	0.0	291616.1				
				4780	-0.0	282964.0				
				4772	-0.0	300268.2				
				4672	0.0	300268.2				
				4680	0.0	282964.0				
				MIN Cent	-0.0	-24814.4				
				4780	-0.0	-22037.2				
				4772	-0.0	-27591.5				
				4672	-0.0	-27591.5				
				4680	-0.0	-22037.2				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1924	3	4	env SL~1	MAX Cent	5600142.6	-528233.3	199147.0	5606336.3	-543080.2	1.79
				4772	5600142.6	-546152.7	199147.0	5606334.0	-560886.5	1.79
				4764	5600142.6	-510313.9	199147.0	5606338.6	-525275.7	1.79
				4664	5600142.6	-510313.9	199147.0	5606338.6	-525275.7	1.79
				4672	5600142.6	-546152.7	199147.0	5606334.0	-560886.5	1.79
				MIN Cent	-1368925.0	-776808.2	-262192.7	-678803.6	-1378699.8	83.57
				4772	-1368925.0	-777264.7	-262192.7	-672594.0	-1378616.8	83.63

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4764 -1368925.0 -776351.7 -262192.7 -685011.8 -1378784.2 83.51
 4664 -1368925.0 -776351.7 -262192.7 -685011.8 -1378784.2 83.51
 4672 -1368925.0 -777264.7 -262192.7 -672594.0 -1378616.8 83.63

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 40945.9 204729.3 1548.8 204765.5 40909.6 -89.15
 4772 58175.6 290877.9 1688.9 290903.3 58150.2 -89.40
 4764 58374.2 291871.2 1688.9 291896.6 58348.9 -89.40
 4664 23445.5 117227.7 1411.6 117291.9 23381.3 -88.50
 4672 23788.1 118940.4 1411.6 119003.7 23724.8 -88.52
 MIN Cent -4672.6 -23363.2 -3466.2 -4050.5 -23985.3 -10.18
 4772 -5718.6 -28592.9 -3445.0 -5224.4 -29087.0 -8.27
 4764 -6301.5 -31507.6 -3445.0 -5851.4 -31957.7 -7.55
 4664 -3435.4 -17177.0 -3524.0 -2584.4 -18028.0 -13.58
 4672 -3235.0 -16175.2 -3524.0 -2337.6 -17072.7 -14.29

NODE Vxx Vyy

MAX Cent 0.0 302558.7
 4772 -0.0 300268.2
 4764 -0.0 304849.2
 4664 0.0 304849.2
 4672 0.0 300268.2
 MIN Cent -0.0 -28282.4
 4772 -0.0 -27591.5
 4764 -0.0 -28973.3
 4664 0.0 -28973.3
 4672 0.0 -27591.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1925 3 4 env SL~1 MAX Cent 5617908.4 -494415.5 284078.5 5623940.2 -529320.9 1.78
 4764 5617908.4 -508961.2 284078.5 5623861.6 -543651.5 1.75
 4756 5617908.4 -479869.9 284078.5 5624021.0 -514993.0 1.80
 4656 5617908.4 -479869.9 284078.5 5624021.0 -514993.0 1.80
 4664 5617908.4 -508961.2 284078.5 5623861.6 -543651.5 1.75
 MIN Cent -1376410.0 -724987.9 -293251.6 -701847.0 -1401611.2 79.51
 4764 -1376410.0 -772869.1 -293251.6 -673151.1 -1400555.4 79.93
 4756 -1376410.0 -754628.0 -293251.6 -730461.9 -1402757.0 79.05
 4656 -1376410.0 -754628.0 -293251.6 -730461.9 -1402757.0 79.05
 4664 -1376410.0 -772869.1 -293251.6 -673151.1 -1400555.4 79.93

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 38844.3 194221.3 1428.9 194229.5 38836.1 -89.59
 4764 58374.2 291871.2 1496.8 291872.0 58373.5 -89.90
 4756 52534.6 262672.9 1496.8 262673.7 52533.8 -89.89

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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4656 21022.7 105113.4 1354.2 105149.5 20986.6 -88.81
4664 23445.5 117227.7 1354.2 117260.1 23413.2 -88.94
MIN Cent -5734.1 -28670.5 -3032.4 -5340.0 -29064.6 -7.41
4764 -6301.5 -31507.6 -2731.8 -6008.8 -31800.2 -6.12
4756 -8879.0 -44394.8 -2731.8 -8670.1 -44603.7 -4.37
4656 -4320.5 -21602.7 -3287.7 -3716.2 -22207.0 -10.42
4664 -3435.4 -17177.0 -3287.7 -2689.3 -17923.1 -12.79

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NODE Vxx Vyy
-----
MAX Cent -0.0 290077.4
4764 0.0 304849.2
4756 0.0 275305.5
4656 -0.0 275305.5
4664 -0.0 304849.2
MIN Cent -0.0 -32048.4
4764 0.0 -28973.3
4756 0.0 -39353.4
4656 -0.0 -39353.4
4664 -0.0 -28973.3

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1926 3 4 env SL~1 MAX Cent 5637487.0 -388211.0 432884.5 5655006.2 -470598.0 3.04
4756 5637487.0 -475621.7 432884.5 5654970.9 -555058.9 3.04
4748 5637487.0 -300800.3 432884.5 5655041.6 -386356.0 3.05
4648 5637487.0 -300800.3 432884.5 5655041.6 -386356.0 3.05
4656 5637487.0 -475621.7 432884.5 5654970.9 -555058.9 3.04
MIN Cent -1371724.1 -701558.5 -256240.2 -675156.3 -1401239.6 78.98
4756 -1371724.1 -753690.8 -256240.2 -725243.1 -1403430.9 78.15
4748 -1371724.1 -650064.3 -256240.2 -624803.9 -1399319.5 79.71
4648 -1371724.1 -650064.3 -256240.2 -624803.9 -1399319.5 79.71
4656 -1371724.1 -753690.8 -256240.2 -725243.1 -1403430.9 78.15

```

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 28577.7 142888.7 4484.4 143059.7 28406.8 87.79
4756 52534.6 262672.9 8351.1 263003.2 52204.3 87.73
4748 28843.7 144218.7 8351.1 144818.0 28297.8 85.89
4648 11910.0 59549.9 1603.1 59573.0 11886.8 88.74
4656 21022.7 105113.4 1603.1 105126.5 21009.6 89.28
MIN Cent -9435.1 -47175.5 -1210.0 -9396.3 -47214.2 -1.83
4756 -8879.0 -44394.8 146.0 -8878.4 -44395.4 0.24
4748 -17149.5 -85747.6 146.0 -17149.2 -85747.9 0.12
4648 -7391.4 -36956.8 -2373.4 -7202.1 -37146.2 -4.56
4656 -4320.5 -21602.7 -2373.4 -4000.5 -21922.7 -7.68

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NODE Vxx Vyy

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  0.0 212453.9
  4756  0.0 275305.5
  4748  0.0 149602.2
  4648 -0.0 149602.2
  4656 -0.0 275305.5
MIN Cent  0.0 -61798.2
  4756  0.0 -39353.4
  4748  0.0 -84243.1
  4648 -0.0 -84243.1
  4656 -0.0 -39353.4

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1927 3 4 env SL~1 MAX Cent 5563621.1 -517816.0 575113.6 5612755.4 -520863.3 4.96
  4748 5563621.1 -305984.5 575113.6 5615663.4 -309340.6 5.25
  4740 5563621.1 -729647.6 575113.6 5610153.2 -732438.0 4.70
  4640 5563621.1 -729647.6 575113.6 5610153.2 -732438.0 4.70
  4648 5563621.1 -305984.5 575113.6 5615663.4 -309340.6 5.25
MIN Cent -1383052.2 -970285.1 -59934.1 -757655.6 -1384840.8 88.31
  4748 -1383052.2 -652379.4 -59934.1 -651914.7 -1384522.0 88.56
  4740 -1383052.2 -1347400.2 -59934.1 -863364.6 -1391904.9 87.97
  4640 -1383052.2 -1347400.2 -59934.1 -863364.6 -1391904.9 87.97
  4648 -1383052.2 -652379.4 -59934.1 -651914.7 -1384522.0 88.56

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
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```

MAX Cent 11317.4 56587.0 2029.4 56668.9 11235.4 87.57
  4748 28843.7 144218.7 4453.6 144384.3 28699.7 87.83
  4740 3534.0 17670.1 4453.6 17767.8 3436.3 85.26
  4640 6598.1 32990.5 1422.8 33054.7 6534.0 87.18
  4648 11910.0 59549.9 1422.8 59550.5 11909.3 -89.78
MIN Cent -15702.2 -78510.8 -1924.5 -15643.3 -78569.8 -1.75
  4748 -17149.5 -85747.6 -994.3 -17135.1 -85762.0 -0.83
  4740 -27229.6 -136148.0 -994.3 -27220.5 -136157.1 -0.52
  4640 -11038.2 -55190.9 -2719.9 -10871.3 -55357.8 -3.51
  4648 -7391.4 -36956.8 -2719.9 -7143.2 -37205.0 -5.21

```

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NODE Vxx Vyy
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```

MAX Cent  0.0 79981.8
  4748  0.0 149602.2
  4740  0.0 10361.4
  4640  0.0 10361.4
  4648  0.0 149602.2
MIN Cent -0.0 -112012.6
  4748 -0.0 -84243.1
  4740 -0.0 -139782.0
  4640 -0.0 -139782.0

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4648 -0.0 -84243.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1928	3	4	env SL~1	MAX Cent	5479986.0	-810887.9	421219.4	5505703.3	-840437.6	3.52
				4740	5479986.0	-741370.5	421219.4	5505834.9	-771735.1	3.54
				4732	5479986.0	-880405.4	421219.4	5505573.1	-898409.4	3.51
				4632	5479986.0	-880405.4	421219.4	5505573.1	-898409.4	3.51
				4640	5479986.0	-741370.5	421219.4	5505834.9	-771735.1	3.54
				MIN Cent	-1433980.6	-1406841.3	-45592.6	-947693.3	-1507778.7	69.90
				4740	-1433980.6	-1364862.5	-45592.6	-822403.0	-1493140.6	73.77
				4732	-1433980.6	-1448820.0	-45592.6	-1065501.4	-1529862.3	64.22
				4632	-1433980.6	-1448820.0	-45592.6	-1065501.4	-1529862.3	64.22
				4640	-1433980.6	-1364862.5	-45592.6	-822403.0	-1493140.6	73.77

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	3934.7	19673.5	1932.8	19880.9	3727.3	83.49
4740	3534.0	17670.1	2290.2	17878.4	3325.7	83.13
4732	722.1	3610.6	2290.2	4418.8	-86.1	64.94
4632	5066.1	25330.7	1609.3	25438.5	4958.3	85.84
4640	6598.1	32990.5	1609.3	33073.5	6515.2	86.80
MIN Cent	-21569.1	-107845.5	-2087.9	-21518.6	-107896.0	-1.39
4740	-27229.6	-136148.0	-1245.1	-27215.4	-136162.2	-0.65
4732	-34371.8	-171859.2	-1245.1	-34360.6	-171870.4	-0.52
4632	-13636.8	-68184.1	-2809.1	-13492.5	-68328.4	-2.94
4640	-11038.2	-55190.9	-2809.1	-10860.2	-55368.9	-3.63

NODE Vxx Vyy

MAX Cent	0.0	-19408.4
4740	0.0	10361.4
4732	0.0	-34924.6
4632	-0.0	-34924.6
4640	-0.0	10361.4
MIN Cent	-0.0	-159394.7
4740	0.0	-139782.0
4732	0.0	-179007.3
4632	-0.0	-179007.3
4640	-0.0	-139782.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1929	3	4	env SL~1	MAX Cent	5448126.1	-957775.6	338862.4	5459365.3	-959235.3	2.33
				4732	5448126.1	-887393.9	338862.4	5459563.6	-903408.4	2.37
				4724	5448126.1	-1013633.9	338862.4	5459173.7	-1015063.4	2.29
				4624	5448126.1	-1013633.9	338862.4	5459173.7	-1015063.4	2.29

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4632 5448126.1 -887393.9 338862.4 5459563.6 -903408.4 2.37
MIN Cent -1483887.5 -1581031.3 -62184.8 -1148825.9 -1599697.1 59.79
4732 -1483887.5 -1455787.6 -62184.8 -1069619.5 -1578431.3 64.79
4724 -1483887.5 -1706274.9 -62184.8 -1219428.2 -1715942.9 53.59
4624 -1483887.5 -1706274.9 -62184.8 -1219428.2 -1715942.9 53.59
4632 -1483887.5 -1455787.6 -62184.8 -1069619.5 -1578431.3 64.79

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 1478.3 7391.5 2083.9 7939.3 1035.4 73.76
4732 722.1 3610.6 2530.9 4606.8 -274.1 63.14
4724 -2828.9 -14144.5 2530.9 -2476.6 -14476.7 9.96
4624 3243.8 16219.2 1683.1 16386.4 3078.4 83.25
4632 5066.1 25330.7 1683.1 25449.5 4947.3 85.63
MIN Cent -26298.4 -131492.2 -2170.2 -26253.7 -131537.0 -1.18
4732 -34371.8 -171859.2 -1376.1 -34358.1 -171872.9 -0.57
4724 -41107.6 -205538.0 -1376.1 -41096.1 -205549.5 -0.48
4624 -16077.5 -80387.6 -2849.4 -15951.5 -80513.6 -2.53
4632 -13636.8 -68184.1 -2849.4 -13488.4 -68332.6 -2.98

```

```

NODE Vxx Vyy
-----
MAX Cent -0.0 -42635.9
4732 -0.0 -34924.6
4724 -0.0 -50347.1
4624 0.0 -50347.1
4632 0.0 -34924.6
MIN Cent -0.0 -197547.1
4732 -0.0 -179007.3
4724 -0.0 -216087.0
4624 0.0 -216087.0
4632 0.0 -179007.3

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1930 3 4 env SL~1 MAX Cent 5407609.8 -998179.8 294352.3 5407641.3 -1004093.3 -0.12
4724 5407609.8 -1015250.1 294352.3 5407641.7 -1021126.3 -0.12
4716 5407609.8 -981109.6 294352.3 5407641.0 -987060.8 -0.12
4616 5407609.8 -981109.6 294352.3 5407641.0 -987060.8 -0.12
4624 5407609.8 -1015250.1 294352.3 5407641.7 -1021126.3 -0.12
MIN Cent -1495890.0 -1790487.2 -126030.8 -1251061.9 -1790571.8 61.64
4724 -1495890.0 -1714653.2 -126030.8 -1283480.4 -1714738.7 58.11
4716 -1495890.0 -1866321.2 -126030.8 -1216566.1 -1866404.9 64.68
4616 -1495890.0 -1866321.2 -126030.8 -1216566.1 -1866404.9 64.68
4624 -1495890.0 -1714653.2 -126030.8 -1283480.4 -1714738.7 58.11

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent  249.0  1245.0  1221.9  1872.1  -137.5  58.14
  4724 -2828.9 -14144.5  1172.4 -2794.5 -14175.2  3.51
  4716 -2155.7 -10778.3  1172.4 -2115.5 -10818.5  3.90
  4616  3038.9  15194.3  1247.9  15294.0  2948.1  84.85
  4624  3243.8  16219.2  1247.9  16301.0  3162.1  85.48
MIN Cent -28730.7 -143653.5 -3544.6 -28621.5 -143762.7 -1.76
  4724 -41107.6 -205538.0 -3498.3 -41033.2 -205612.4 -1.22
  4716 -41456.9 -207284.3 -3498.3 -41383.1 -207358.1 -1.21
  4616 -16280.8 -81403.9 -3587.0 -16083.8 -81600.9 -3.14
  4624 -16077.5 -80387.6 -3587.0 -15878.1 -80587.1 -3.18

```

NODE Vxx Vyy

```

-----
MAX Cent  0.0 -46646.0
  4724  0.0 -50347.1
  4716  0.0 -42945.0
  4616  0.0 -42945.0
  4624  0.0 -50347.1
MIN Cent -0.0 -216717.2
  4724 -0.0 -216087.0
  4716 -0.0 -217347.5
  4616 -0.0 -217347.5
  4624 -0.0 -216087.0

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
1931  3  4 env SL~1 MAX Cent 5541447.7 -588253.2 339935.8 5569809.9 -629146.7 -3.90
  4716 5541447.7 -965937.5 339935.8 5566831.9 -974906.8 -3.52
  4708 5541447.7 -157476.3 339935.8 5573501.4 -215845.8 -4.36
  4608 5541447.7 -157476.3 339935.8 5573501.4 -215845.8 -4.36
  4616 5541447.7 -965937.5 339935.8 5566831.9 -974906.8 -3.52
MIN Cent -1435073.5 -1104540.9 -455165.6 -988744.3 -1467701.6 75.57
  4716 -1435073.5 -1838883.3 -455165.6 -1208649.1 -1865796.9 63.10
  4708 -1435073.5 -769690.7 -455165.6 -750419.6 -1454344.6 80.48
  4608 -1435073.5 -769690.7 -455165.6 -750419.6 -1454344.6 80.48
  4616 -1435073.5 -1838883.3 -455165.6 -1208649.1 -1865796.9 63.10

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent  1265.0  6324.9  691.5  6374.0  1226.8  84.40
  4716 -2155.7 -10778.3  359.0 -2153.1 -10780.8 -0.98
  4708  758.0  3790.0  359.0  3797.1  750.9 -87.23
  4608  3664.6  18322.9  957.7  18369.2  3618.3  86.79
  4616  3038.9  15194.3  957.7  15250.1  2988.1  86.13
MIN Cent -26408.3 -132041.6 -4907.5 -26180.8 -132269.1 -2.65
  4716 -41456.9 -207284.3 -5750.7 -41257.7 -207483.5 -1.98
  4708 -34551.7 -172758.5 -5750.7 -34312.8 -172997.3 -2.38
  4608 -13343.9 -66719.6 -4170.5 -13020.0 -67043.5 -4.44
  4616 -16280.8 -81403.9 -4170.5 -16014.8 -81669.9 -3.65

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	-33077.9
4716	0.0	-42945.0
4708	0.0	-23210.9
4608	-0.0	-23210.9
4616	-0.0	-42945.0
MIN Cent	0.0	-200218.1
4716	0.0	-217347.5
4708	0.0	-183088.7
4608	-0.0	-183088.7
4616	-0.0	-217347.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1932	3	4	env SL~1	MAX Cent	5684656.2	-312297.0	450345.8	5718286.6	-345927.5	4.27
				4696	5684656.2	359355.6	450345.8	5722472.1	321539.6	4.80
				4688	5684656.2	-605546.3	450345.8	5714931.6	-692965.4	3.85
				4588	5684656.2	-605546.3	450345.8	5714931.6	-692965.4	3.85
				4596	5684656.2	359355.6	450345.8	5722472.1	321539.6	4.80
				MIN Cent	-1399634.6	-841110.8	-111914.2	-820262.7	-1420482.7	-79.26
				4696	-1399634.6	-1037211.5	-111914.2	-1006887.1	-1430358.1	-74.52
				4688	-1399634.6	-1023413.4	-111914.2	-629329.6	-1415315.2	-81.88
				4588	-1399634.6	-1023413.4	-111914.2	-629329.6	-1415315.2	-81.88
				4596	-1399634.6	-1037211.5	-111914.2	-1006887.1	-1430358.1	-74.52

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	25534.7	127673.7	600.8	127673.8	25534.6	-89.93
4696	36880.3	184401.4	1510.0	184414.2	36867.5	89.47
4688	24521.3	122606.6	1510.0	122625.9	24502.1	89.20
4588	17902.6	89512.8	696.5	89535.5	17879.9	-88.98
4596	22900.5	114502.6	696.5	114520.3	22882.8	-89.20
MIN Cent	4627.7	23138.6	-2382.3	23440.3	4326.1	-82.78
4696	1818.9	9094.5	-1824.9	9526.6	1386.8	-76.68
4688	-2779.7	-13898.6	-1824.9	-2487.9	-14190.5	-9.09
4588	8789.4	43947.1	-2867.2	44179.4	8557.1	-85.37
4596	10682.3	53411.4	-2867.2	53603.0	10490.8	-86.18

NODE	Vxx	Vyy

MAX Cent	-0.0	91622.1
4696	0.0	123706.9
4688	0.0	59537.2
4588	-0.0	59537.2
4596	-0.0	123706.9
MIN Cent	-0.0	-88198.0

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

4696 0.0 -76518.4
4688 0.0 -99877.6
4588 -0.0 -99877.6
4596 -0.0 -76518.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1933	3	4	env SL~1	MAX Cent	5571567.0	-617186.6	241560.6	5580592.3	-640090.0	2.14
				4688	5571567.0	-598176.5	241560.6	5580416.1	-694622.6	2.10
				4680	5571567.0	-583110.8	241560.6	5580775.8	-585560.0	2.18
				4580	5571567.0	-583110.8	241560.6	5580775.8	-585560.0	2.18
				4588	5571567.0	-598176.5	241560.6	5580416.1	-694622.6	2.10
				MIN Cent	-1362699.9	-916993.7	-115896.0	-655048.8	-1364088.6	-87.46
				4688	-1362699.9	-1046014.1	-115896.0	-636270.4	-1364052.7	-87.53
				4680	-1362699.9	-787973.4	-115896.0	-673825.2	-1364126.5	-87.39
				4580	-1362699.9	-787973.4	-115896.0	-673825.2	-1364126.5	-87.39
				4588	-1362699.9	-1046014.1	-115896.0	-636270.4	-1364052.7	-87.53

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	20614.7	103073.7	1101.3	103148.4	20540.1	-88.28
4688	24521.3	122606.6	1244.5	122660.1	24467.8	-88.66
4680	23236.0	116180.0	1244.5	116236.4	23179.5	-88.59
4580	16847.3	84236.6	954.5	84331.2	16752.7	-87.86
4588	17902.6	89512.8	954.5	89601.9	17813.5	-87.98
MIN Cent	2693.2	13466.2	-3460.2	14423.6	1735.9	-74.06
4688	-2779.7	-13898.6	-3279.1	-1897.5	-14780.9	-15.17
4680	-3293.5	-16467.4	-3279.1	-2533.6	-17227.3	-13.14
4580	8056.8	40283.9	-3635.6	40649.9	7690.7	-83.95
4588	8789.4	43947.1	-3635.6	44283.2	8453.3	-84.44

NODE Vxx Vyy

MAX Cent	-0.0	58525.9
4688	0.0	59537.2
4680	0.0	57514.6
4580	-0.0	57514.6
4588	-0.0	59537.2
MIN Cent	-0.0	-98932.7
4688	-0.0	-99877.6
4680	-0.0	-97987.9
4580	-0.0	-97987.9
4588	-0.0	-99877.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
------	-----	-----	----	------	-----	-----	-----	------	------	-------

1934	3	4	env SL~1	MAX Cent	5601563.9	-560140.6	187323.0	5607073.2	-565061.4	1.69
------	---	---	----------	----------	-----------	-----------	----------	-----------	-----------	------

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4680 5601563.9 -580008.6 187323.0 5607060.1 -584888.0 1.69
4672 5601563.9 -540272.6 187323.0 5607086.4 -545235.6 1.69
4572 5601563.9 -540272.6 187323.0 5607086.4 -545235.6 1.69
4580 5601563.9 -580008.6 187323.0 5607060.1 -584888.0 1.69
MIN Cent -1366262.8 -767296.1 -210123.9 -673625.0 -1366897.9 88.28
4680 -1366262.8 -781985.5 -210123.9 -675336.2 -1366901.0 88.27
4672 -1366262.8 -752606.8 -210123.9 -671913.9 -1366894.9 88.28
4572 -1366262.8 -752606.8 -210123.9 -671913.9 -1366894.9 88.28
4580 -1366262.8 -781985.5 -210123.9 -675336.2 -1366901.0 88.27

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 20072.4 100361.9 1155.6 100463.9 19970.4 -87.96
4680 23236.0 116180.0 1327.1 116269.7 23146.3 -88.22
4672 23779.5 118897.4 1327.1 118985.1 23691.8 -88.26
4572 16465.1 82325.7 984.9 82438.1 16352.7 -87.64
4580 16847.3 84236.6 984.9 84346.5 16737.5 -87.69
MIN Cent 2281.7 11408.3 -3829.1 12563.5 1126.5 -71.47
4680 -3293.5 -16467.4 -3863.6 -2458.1 -17302.8 -13.72
4672 -3240.2 -16200.8 -3863.6 -2392.6 -17048.4 -13.91
4572 7603.5 38017.7 -3818.7 38411.9 7209.3 -83.55
4580 8056.8 40283.9 -3818.7 40656.5 7684.2 -83.90

```

NODE Vxx Vyy

```

MAX Cent -0.0 61412.5
4680 -0.0 57514.6
4672 -0.0 65310.4
4572 0.0 65310.4
4580 0.0 57514.6
MIN Cent -0.0 -95801.2
4680 -0.0 -97987.9
4672 -0.0 -93614.6
4572 -0.0 -93614.6
4580 -0.0 -97987.9

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1935 3 4 env SL~1 MAX Cent 5605056.9 -524713.3 190808.1 5610773.1 -539304.7 1.72
4672 5605056.9 -538855.5 190808.1 5610771.3 -553358.8 1.72
4664 5605056.9 -510571.2 190808.1 5610774.9 -525251.6 1.72
4564 5605056.9 -510571.2 190808.1 5610774.9 -525251.6 1.72
4572 5605056.9 -538855.5 190808.1 5610771.3 -553358.8 1.72
MIN Cent -1367209.2 -751747.5 -259573.1 -671479.0 -1375651.5 84.07
4672 -1367209.2 -751984.9 -259573.1 -665289.8 -1375581.2 84.12
4664 -1367209.2 -751510.2 -259573.1 -677667.1 -1375722.8 84.02
4564 -1367209.2 -751510.2 -259573.1 -677667.1 -1375722.8 84.02
4572 -1367209.2 -751984.9 -259573.1 -665289.8 -1375581.2 84.12

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	19858.8	99293.9	1097.1	99384.7	19768.0	-88.06
4672	23779.5	118897.4	1235.8	118969.0	23707.9	-88.43
4664	23461.2	117306.2	1235.8	117378.7	23388.7	-88.41
4564	15752.6	78762.8	954.4	78872.8	15642.6	-87.61
4572	16465.1	82325.7	954.4	82431.0	16359.9	-87.71
MIN Cent	1993.7	9968.4	-3655.2	11222.5	739.6	-69.76
4672	-3240.2	-16200.8	-3586.8	-2427.0	-17013.9	-13.66
4664	-3429.9	-17149.3	-3586.8	-2657.1	-17922.1	-13.00
4564	7041.2	35206.2	-3733.5	35626.8	6620.7	-83.08
4572	7603.5	38017.7	-3733.5	38407.9	7213.3	-83.58

NODE	Vxx	Vyy

MAX Cent	0.0	66930.7
4672	0.0	65310.4
4664	0.0	68551.1
4564	0.0	68551.1
4572	0.0	65310.4
MIN Cent	0.0	-92006.4
4672	0.0	-93614.6
4664	0.0	-90398.1
4564	0.0	-90398.1
4572	0.0	-93614.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1936	3	4	env SL~1	MAX Cent	5619564.5	-492949.9	282274.5	5625707.7	-527437.1	1.79
				4664	5619564.5	-509300.6	282274.5	5625642.1	-543549.0	1.77
				4656	5619564.5	-476599.1	282274.5	5625774.6	-511328.5	1.81
				4556	5619564.5	-476599.1	282274.5	5625774.6	-511328.5	1.81
				4564	5619564.5	-509300.6	282274.5	5625642.1	-543549.0	1.77
				MIN Cent	-1372841.7	-707146.3	-287659.4	-687210.1	-1394585.2	80.32
				4664	-1372841.7	-748682.1	-287659.4	-667000.2	-1393945.0	80.60
				4656	-1372841.7	-727927.0	-287659.4	-707386.3	-1395262.7	80.04
				4556	-1372841.7	-727927.0	-287659.4	-707386.3	-1395262.7	80.04
				4564	-1372841.7	-748682.1	-287659.4	-667000.2	-1393945.0	80.60

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	18563.2	92816.2	1057.2	92880.3	18499.2	-88.32
4664	23461.2	117306.2	1171.9	117342.0	23425.4	-88.88
4656	20812.4	104062.2	1171.9	104102.6	20772.1	-88.74
4556	14238.9	71194.4	935.3	71292.2	14141.0	-87.63
4564	15752.6	78762.8	935.3	78851.2	15664.1	-87.86
MIN Cent	1359.7	6798.7	-3233.8	8304.5	-146.1	-65.03
4664	-3429.9	-17149.3	-3088.8	-2766.5	-17812.7	-12.12

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4656 -4389.3 -21946.3 -3088.8 -3861.7 -22473.9 -9.69
4556 6216.8 31084.1 -3462.2 31534.1 5766.8 -82.41
4564 7041.2 35206.2 -3462.2 35605.1 6642.4 -83.26

```

```

NODE Vxx Vyy

```

```

-----
MAX Cent -0.0 63594.3

```

```

4664 -0.0 68551.1
4656 -0.0 58637.5
4556 0.0 58637.5
4564 0.0 68551.1

```

```

MIN Cent -0.0 -90980.7

```

```

4664 -0.0 -90398.1
4656 -0.0 -91563.2
4556 0.0 -91563.2
4564 0.0 -90398.1

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

-----
1937 3 4 env SL~1 MAX Cent 5633646.7 -433508.2 440872.2 5650216.9 -517562.8 2.97

```

```

4656 5633646.7 -474221.5 440872.2 5650214.8 -545616.1 2.97
4648 5633646.7 -392794.9 440872.2 5650219.0 -478301.3 2.97
4548 5633646.7 -392794.9 440872.2 5650219.0 -478301.3 2.97
4556 5633646.7 -474221.5 440872.2 5650214.8 -545616.1 2.97

```

```

MIN Cent -1371432.0 -700097.8 -251008.5 -672709.8 -1401986.6 78.80

```

```

4656 -1371432.0 -727645.0 -251008.5 -699178.7 -1403043.9 78.37
4648 -1371432.0 -675312.6 -251008.5 -646165.0 -1400995.0 79.20
4548 -1371432.0 -675312.6 -251008.5 -646165.0 -1400995.0 79.20
4556 -1371432.0 -727645.0 -251008.5 -699178.7 -1403043.9 78.37

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

-----
MAX Cent 14391.2 71955.9 1224.8 71956.9 14390.2 -89.77

```

```

4656 20812.4 104062.2 1448.3 104081.0 20793.6 89.14
4648 12011.2 60056.1 1448.3 60088.7 11978.7 88.51
4548 11733.5 58667.5 1007.6 58689.1 11711.9 88.77
4556 14238.9 71194.4 1007.6 71229.1 14204.2 -88.59

```

```

MIN Cent -201.8 -1009.2 -2601.3 2027.0 -3238.0 -40.59

```

```

4656 -4389.3 -21946.3 -2078.4 -4146.6 -22189.0 -6.66
4648 -7359.3 -36796.5 -2078.4 -7213.3 -36942.6 -4.02
4548 4724.4 23622.2 -3069.6 24108.3 4238.3 -81.00
4556 6216.8 31084.1 -3069.6 31457.4 5843.5 -83.07

```

```

NODE Vxx Vyy

```

```

-----
MAX Cent 0.0 36745.9

```

```

4656 0.0 58637.5
4648 0.0 14854.4

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4548  0.0 14854.4
4556  0.0 58637.5
MIN Cent  0.0 -97941.7
4656  0.0 -91563.2
4648  0.0 -104320.1
4548  -0.0 -104320.1
4556  -0.0 -91563.2

```

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1938	3	4	env SL~1	MAX Cent	5566395.3	-559321.2	529504.1	5608214.4	-560880.0	4.58
				4648	5566395.3	-397827.4	529504.1	5610391.8	-399502.1	4.82
				4640	5566395.3	-720815.0	529504.1	5606241.1	-722272.8	4.37
				4540	5566395.3	-720815.0	529504.1	5606241.1	-722272.8	4.37
				4548	5566395.3	-397827.4	529504.1	5610391.8	-399502.1	4.82
				MIN Cent	-1385730.7	-955058.9	-74787.2	-771574.1	-1385918.7	89.70
				4648	-1385730.7	-678183.8	-74787.2	-678168.8	-1385810.4	89.74
				4640	-1385730.7	-1290429.7	-74787.2	-864978.5	-1386065.3	89.64
				4540	-1385730.7	-1290429.7	-74787.2	-864978.5	-1386065.3	89.64
				4548	-1385730.7	-678183.8	-74787.2	-678168.8	-1385810.4	89.74

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	9114.3	45571.5	1103.1	45597.7	9088.1	88.47
4648	12011.2	60056.1	1247.8	60056.4	12011.0	-89.87
4640	6585.7	32928.4	1247.8	32976.8	6537.3	87.55
4540	10483.5	52417.4	954.8	52439.1	10461.8	88.70
4548	11733.5	58667.5	954.8	58686.9	11714.1	88.84
MIN Cent	-2734.5	-13672.6	-2837.6	-2042.2	-14365.0	-13.71
4648	-7359.3	-36796.5	-2463.5	-7154.6	-37001.3	-4.75
4640	-11043.6	-55217.9	-2463.5	-10906.6	-55354.9	-3.18
4540	2740.3	13701.7	-3176.1	14555.5	1886.6	-74.95
4548	4724.4	23622.2	-3176.1	24141.7	4204.9	-80.71

NODE	Vxx	Vyy
MAX Cent	0.0	-9638.6
4648	0.0	14854.4
4640	0.0	-31287.7
4540	-0.0	-31287.7
4548	-0.0	14854.4
MIN Cent	-0.0	-111659.0
4648	0.0	-104320.1
4640	0.0	-118998.0
4540	-0.0	-118998.0
4548	-0.0	-104320.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1939	3	4	env SL~1	MAX Cent	5489421.8	-804112.6	407669.5	5513515.2	-830268.8	3.43
				4640	5489421.8	-730606.7	407669.5	5513677.0	-758211.3	3.45
				4632	5489421.8	-877618.4	407669.5	5513355.5	-880108.4	3.41
				4532	5489421.8	-877618.4	407669.5	5513355.5	-880108.4	3.41
				4540	5489421.8	-730606.7	407669.5	5513677.0	-758211.3	3.45
				MIN Cent	-1432371.2	-1359662.9	-51241.1	-954372.7	-1490809.6	72.01
				4640	-1432371.2	-1306613.9	-51241.1	-834045.9	-1479443.6	75.45
				4632	-1432371.2	-1412711.9	-51241.1	-1068944.2	-1507953.2	66.87
				4532	-1432371.2	-1412711.9	-51241.1	-1068944.2	-1507953.2	66.87
				4540	-1432371.2	-1306613.9	-51241.1	-834045.9	-1479443.6	75.45
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	7813.3	39066.7	1233.0	39105.5	7774.5	87.98
				4640	6585.7	32928.4	1453.5	32995.1	6519.0	87.12
				4632	5057.7	25288.3	1453.5	25375.0	4970.9	86.26
				4532	9261.8	46309.0	1019.5	46337.0	9233.8	88.42
				4540	10483.5	52417.4	1019.5	52442.2	10458.7	88.61
				MIN Cent	-5161.2	-25806.0	-2900.3	-4761.5	-26205.7	-7.85
				4640	-11043.6	-55217.9	-2560.9	-10895.6	-55365.9	-3.31
				4632	-13633.7	-68168.3	-2560.9	-13513.7	-68288.3	-2.68
				4532	1292.1	6460.4	-3272.0	7996.6	-244.1	-64.42
				4540	2740.3	13701.7	-3272.0	14572.2	1869.9	-74.82
				NODE	Vxx	Vyy				
				MAX Cent	-0.0	-32551.7				
				4640	0.0	-31287.7				
				4632	0.0	-33815.7				
				4532	0.0	-33815.7				
				4540	0.0	-31287.7				
				MIN Cent	-0.0	-123926.7				
				4640	-0.0	-118998.0				
				4632	-0.0	-128855.5				
				4532	0.0	-128855.5				
				4540	0.0	-118998.0				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1940	3	4	env SL~1	MAX Cent	5456933.6	-936908.4	322480.8	5466328.5	-938697.8	2.14
				4632	5456933.6	-883403.7	322480.8	5466486.1	-885230.3	2.18
				4624	5456933.6	-990413.0	322480.8	5466176.0	-992166.8	2.11
				4524	5456933.6	-990413.0	322480.8	5466176.0	-992166.8	2.11
				4532	5456933.6	-883403.7	322480.8	5466486.1	-885230.3	2.18
				MIN Cent	-1479215.6	-1537650.3	-68639.9	-1145011.9	-1575281.3	62.06
				4632	-1479215.6	-1419831.4	-68639.9	-1068194.4	-1558011.1	66.67

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4624 -1479215.6 -1655469.1 -68639.9 -1214653.4 -1663452.1 56.18
 4524 -1479215.6 -1655469.1 -68639.9 -1214653.4 -1663452.1 56.18
 4532 -1479215.6 -1419831.4 -68639.9 -1068194.4 -1558011.1 66.67

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 6341.6 31708.0 1283.6 31770.6 6289.3 87.11
 4632 5057.7 25288.3 1535.4 25386.1 4959.8 86.03
 4624 3272.0 16360.2 1535.4 16498.3 3138.7 83.92
 4524 7934.5 39672.3 1042.9 39706.5 7900.2 88.12
 4532 9261.8 46309.0 1042.9 46338.3 9232.5 88.39
 MIN Cent -7126.2 -35630.9 -2926.7 -6828.8 -35928.3 -5.80
 4632 -13633.7 -68168.3 -2605.7 -13509.4 -68292.6 -2.73
 4624 -16075.5 -80377.6 -2605.7 -15970.1 -80483.0 -2.32
 4524 -87.6 -438.0 -3329.7 2961.2 -3486.9 -43.44
 4532 1292.1 6460.4 -3329.7 8004.4 -251.9 -64.38

NODE Vxx Vyy

MAX Cent 0.0 -35755.3
 4632 0.0 -33815.7
 4624 0.0 -37694.9
 4524 -0.0 -37694.9
 4532 -0.0 -33815.7
 MIN Cent -0.0 -133440.3
 4632 0.0 -128855.5
 4624 0.0 -138025.1
 4524 -0.0 -138025.1
 4532 -0.0 -128855.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1941 3 4 env SL~1 MAX Cent 5427185.3 -962200.6 294566.2 5427317.8 -967809.3 -0.25
 4624 5427185.3 -991424.7 294566.2 5427318.4 -996972.4 -0.25
 4616 5427185.3 -932976.6 294566.2 5427317.2 -938647.5 -0.25
 4516 5427185.3 -932976.6 294566.2 5427317.2 -938647.5 -0.25
 4524 5427185.3 -991424.7 294566.2 5427318.4 -996972.4 -0.25
 MIN Cent -1489944.7 -1692152.1 -122072.7 -1225578.8 -1692380.2 63.26
 4624 -1489944.7 -1661649.2 -122072.7 -1258818.0 -1661878.2 60.05
 4616 -1489944.7 -1722655.1 -122072.7 -1190542.3 -1722882.2 66.02
 4516 -1489944.7 -1722655.1 -122072.7 -1190542.3 -1722882.2 66.02
 4524 -1489944.7 -1661649.2 -122072.7 -1258818.0 -1661878.2 60.05

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 5330.0 26649.9 983.0 26695.1 5285.7 87.37
 4624 3272.0 16360.2 1054.8 16413.9 3218.3 86.34
 4616 3032.9 15164.4 1054.8 15232.6 2973.0 85.72

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4516 7198.7 35993.4 898.0 36021.4 7170.7 88.22
4524 7934.5 39672.3 898.0 39697.7 7909.1 88.38
MIN Cent -8242.2 -41210.9 -3456.0 -7883.8 -41569.2 -5.92
4624 -16075.5 -80377.6 -3411.6 -15895.0 -80558.1 -3.03
4616 -16128.9 -80644.7 -3411.6 -15949.0 -80824.6 -3.02
4516 -676.6 -3383.1 -3632.2 1736.3 -5796.1 -34.47
4524 -87.6 -438.0 -3632.2 3256.2 -3781.9 -43.57

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 -35610.2
4624 0.0 -37694.9
4616 0.0 -33525.4
4516 0.0 -33525.4
4524 0.0 -37694.9
MIN Cent 0.0 -135713.2
4624 -0.0 -138025.1
4616 -0.0 -133401.3
4516 0.0 -133401.3
4524 0.0 -138025.1

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1942 3 4 env SL~1 MAX Cent 5540526.6 -644228.2 386722.0 5559859.2 -649639.1 -3.23
4616 5540526.6 -920257.7 386722.0 5558185.0 -925112.0 -2.97
4608 5540526.6 -322892.5 386722.0 5561849.4 -374310.0 -3.53
4508 5540526.6 -322892.5 386722.0 5561849.4 -374310.0 -3.53
4516 5540526.6 -920257.7 386722.0 5558185.0 -925112.0 -2.97
MIN Cent -1434870.5 -1107300.7 -375140.8 -973819.2 -1482992.7 72.93
4616 -1434870.5 -1699261.0 -375140.8 -1164602.5 -1717732.4 62.35
4608 -1434870.5 -795820.5 -375140.8 -765862.2 -1466837.0 78.05
4508 -1434870.5 -795820.5 -375140.8 -765862.2 -1466837.0 78.05
4516 -1434870.5 -1699261.0 -375140.8 -1164602.5 -1717732.4 62.35

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 5158.2 25790.8 776.8 25820.0 5129.5 87.85
4616 3032.9 15164.4 738.5 15194.6 3006.8 87.15
4608 3720.8 18604.0 738.5 18628.6 3696.2 87.67
4508 6785.0 33925.1 785.1 33947.8 6762.3 88.34
4516 7198.7 35993.4 785.1 36014.8 7177.3 88.44
MIN Cent -7646.2 -38231.0 -3811.9 -7178.3 -38698.9 -7.00
4616 -16128.9 -80644.7 -4076.4 -15872.4 -80901.3 -3.60
4608 -13810.7 -69053.7 -4076.4 -13511.6 -69352.9 -4.20
4508 -448.4 -2242.2 -3638.9 2402.5 -5093.1 -38.08
4516 -676.6 -3383.1 -3638.9 1807.1 -5866.9 -34.67

```

```

NODE Vxx Vyy

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  0.0 -29229.6
  4616  0.0 -33525.4
  4608  0.0 -24932.1
  4508  0.0 -24932.1
  4516  0.0 -33525.4
MIN Cent  0.0 -126451.5
  4616 -0.0 -133401.3
  4608 -0.0 -119501.8
  4508  0.0 -119501.8
  4516  0.0 -133401.3

```

```

ELEM MAT SEC  LC  NODE  Fxx  Fyy  Fxy  Fmax  Fmin  ANGLE
-----
1943  3  4 env SL~1 MAX Cent 5673923.8 -365958.8 364872.9 5695886.1 -387921.2  3.44
      4596 5673923.8 131470.8 364872.9 5697840.5 107669.6  3.75
      4588 5673923.8 -617265.8 364872.9 5694226.1 -649484.4  3.18
      4488 5673923.8 -617265.8 364872.9 5694226.1 -649484.4  3.18
      4496 5673923.8 131470.8 364872.9 5697840.5 107669.6  3.75
MIN Cent -1392481.6 -805346.0 -93665.6 -791307.8 -1406519.8 -81.31
      4596 -1392481.6 -954364.2 -93665.6 -936307.2 -1410959.0 -78.75
      4588 -1392481.6 -902479.7 -93665.6 -645180.9 -1403774.8 -82.99
      4488 -1392481.6 -902479.7 -93665.6 -645180.9 -1403774.8 -82.99
      4496 -1392481.6 -954364.2 -93665.6 -936307.2 -1410959.0 -78.75

```

```

      NODE  Mxx  Myy  Mxy  Mmax  Mmin  ANGLE
-----
MAX Cent 20882.7 104413.6  321.0 104462.8 20833.5 -88.61
      4596 22970.9 114854.5  377.8 114875.9 22949.5 -89.13
      4588 17955.2  89775.9  377.8  89803.3 17927.8 -88.88
      4488 22455.3 112276.6  244.9 112413.5 22318.5 -87.77
      4496 23801.1 119005.6  244.9 119134.8 23672.0 -87.89
MIN Cent 16490.2 82451.0 -3235.3 82609.3 16331.9 -87.20
      4596 10955.2 54775.8 -2938.6 54972.0 10759.0 -86.18
      4588  8749.2 43745.8 -2938.6 43990.8  8504.1 -85.23
      4488 17725.1 88625.4 -3586.8 88730.9 17619.7 -87.79
      4496 18983.2 94916.0 -3586.8 95014.4 18884.7 -87.94

```

```

      NODE  Vxx  Vyy
-----

```

```

MAX Cent  0.0 -3816.0
  4596  0.0  8111.2
  4588  0.0 -15743.2
  4488  0.0 -15743.2
  4496  0.0  8111.2
MIN Cent  0.0 -114613.5
  4596 -0.0 -110900.4
  4588 -0.0 -118326.6
  4488 -0.0 -118326.6

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4496 -0.0 -110900.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1944	3	4	env SL~1	MAX Cent	5584869.1	-612863.4	247549.7	5594428.1	-615391.5	2.21
				4588	5584869.1	-611248.9	247549.7	5594325.1	-652191.6	2.19
				4580	5584869.1	-576024.7	247549.7	5594533.3	-578592.6	2.24
				4480	5584869.1	-576024.7	247549.7	5594533.3	-578592.6	2.24
				4488	5584869.1	-611248.9	247549.7	5594325.1	-652191.6	2.19
				MIN Cent	-1362338.6	-850203.4	-107053.6	-652604.0	-1364365.4	-86.94
				4588	-1362338.6	-920278.9	-107053.6	-648430.5	-1364353.5	-86.96
				4580	-1362338.6	-780127.8	-107053.6	-656777.3	-1364377.3	-86.92
				4480	-1362338.6	-780127.8	-107053.6	-656777.3	-1364377.3	-86.92
				4488	-1362338.6	-920278.9	-107053.6	-648430.5	-1364353.5	-86.96

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	18468.9	92344.3	493.5	92462.3	18350.8	-87.71
4588	17955.2	89775.9	662.3	89882.6	17848.5	-87.79
4580	16846.5	84232.7	662.3	84346.4	16732.9	-87.65
4480	21193.9	105969.6	319.4	106146.5	21017.0	-87.39
4488	22455.3	112276.6	319.4	112443.6	22288.3	-87.53
MIN Cent	15117.1	75585.7	-4025.3	75812.9	14890.0	-86.50
4588	8749.2	43745.8	-3851.9	44105.3	8389.7	-84.24
4580	8070.1	40350.7	-3851.9	40739.8	7681.1	-83.77
4480	16667.6	83337.8	-4202.2	83476.6	16528.7	-87.39
4488	17725.1	88625.4	-4202.2	88756.0	17594.5	-87.54

NODE Vxx Vyy

MAX Cent	-0.0	-15331.5
4588	-0.0	-15743.2
4580	-0.0	-14919.7
4480	-0.0	-14919.7
4488	-0.0	-15743.2
MIN Cent	-0.0	-115812.7
4588	-0.0	-118326.6
4580	-0.0	-113298.8
4480	-0.0	-113298.8
4488	-0.0	-118326.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1945	3	4	env SL~1	MAX Cent	5604213.3	-553895.0	182524.8	5609456.8	-558672.9	1.65
				4580	5604213.3	-573665.9	182524.8	5609437.8	-578403.8	1.64
				4572	5604213.3	-534124.0	182524.8	5609475.9	-538942.7	1.66
				4472	5604213.3	-534124.0	182524.8	5609475.9	-538942.7	1.66

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4480 5604213.3 -573665.9 182524.8 5609437.8 -578403.8 1.64
MIN Cent -1363590.5 -753788.8 -204847.8 -660536.0 -1363945.0 88.71
4580 -1363590.5 -776271.3 -204847.8 -658712.9 -1363944.0 88.72
4572 -1363590.5 -731306.4 -204847.8 -662359.1 -1363945.9 88.71
4472 -1363590.5 -731306.4 -204847.8 -662359.1 -1363945.9 88.71
4480 -1363590.5 -776271.3 -204847.8 -658712.9 -1363944.0 88.72

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

MAX Cent 17573.8 87869.1 518.2 88004.0 17439.0 -87.49
4580 16846.5 84232.7 695.1 84364.9 16714.4 -87.47
4572 16459.2 82296.1 695.1 82431.4 16324.0 -87.41
4472 20120.9 100604.3 338.1 100788.2 19937.0 -87.27
4480 21193.9 105969.6 338.1 106144.3 21019.3 -87.40
MIN Cent 14245.9 71229.4 -4139.3 71471.2 14004.1 -86.28
4580 8070.1 40350.7 -4055.6 40748.1 7672.8 -83.71
4572 7598.6 37993.1 -4055.6 38414.5 7177.2 -83.33
4472 15798.7 78993.3 -4235.8 79139.3 15652.6 -87.25
4480 16667.6 83337.8 -4235.8 83476.2 16529.1 -87.39

```

```

NODE Vxx Vyy

```

```

MAX Cent -0.0 -12920.2
4580 0.0 -14919.7
4572 0.0 -10920.7
4472 -0.0 -10920.7
4480 -0.0 -14919.7
MIN Cent -0.0 -110702.3
4580 -0.0 -113298.8
4572 -0.0 -108105.7
4472 -0.0 -108105.7
4480 -0.0 -113298.8

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

1946 3 4 env SL~1 MAX Cent 5609404.6 -521606.8 183632.0 5614713.4 -535799.9 1.66
4572 5609404.6 -532832.4 183632.0 5614711.8 -546957.5 1.66
4564 5609404.6 -510381.1 183632.0 5614715.0 -524643.0 1.66
4464 5609404.6 -510381.1 183632.0 5614715.0 -524643.0 1.66
4472 5609404.6 -532832.4 183632.0 5614711.8 -546957.5 1.66
MIN Cent -1365277.9 -729704.2 -255470.7 -663052.5 -1372401.3 84.60
4572 -1365277.9 -730343.0 -255470.7 -656832.4 -1372342.9 84.65
4564 -1365277.9 -729065.4 -255470.7 -669271.6 -1372460.7 84.55
4464 -1365277.9 -729065.4 -255470.7 -669271.6 -1372460.7 84.55
4472 -1365277.9 -730343.0 -255470.7 -656832.4 -1372342.9 84.65

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 16831.0 84155.2 496.4 84290.7 16695.6 -87.43
  4572 16459.2 82296.1 661.7 82422.7 16332.7 -87.49
  4564 15757.0 78784.8 661.7 78916.9 15624.8 -87.38
  4464 18991.3 94956.6 326.0 95151.6 18796.4 -87.10
  4472 20120.9 100604.3 326.0 100788.4 19936.8 -87.27
MIN Cent 13438.5 67192.4 -4082.8 67447.3 13183.6 -86.07
  4572 7598.6 37993.1 -3960.9 38409.7 7182.0 -83.37
  4564 7043.1 35215.5 -3960.9 35664.0 6594.6 -82.86
  4464 14877.9 74389.4 -4212.9 74544.4 14722.8 -87.08
  4472 15798.7 78993.3 -4212.9 79139.3 15652.6 -87.25

```

```

NODE   Vxx   Vyy
-----
MAX Cent  0.0 -9675.6
  4572   0.0 -10920.7
  4564   0.0 -8430.6
  4464   0.0 -8430.6
  4472   0.0 -10920.7
MIN Cent  0.0 -105627.9
  4572   0.0 -108105.7
  4564   0.0 -103150.2
  4464  -0.0 -103150.2
  4472  -0.0 -108105.7

```

```

ELEM MAT SEC  LC  NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
1947  3   4 env SL~1 MAX Cent 5621420.5 -491642.0 280206.2 5627632.3 -525648.1 1.80
      4564 5621420.5 -509182.5 280206.2 5627577.8 -542935.9 1.79
      4556 5621420.5 -474101.5 280206.2 5627687.8 -508364.1 1.82
      4456 5621420.5 -474101.5 280206.2 5627687.8 -508364.1 1.82
      4464 5621420.5 -509182.5 280206.2 5627577.8 -542935.9 1.79
MIN Cent -1369491.5 -690395.5 -280964.0 -673160.6 -1388300.7 81.06
      4564 -1369491.5 -726733.1 -280964.0 -659540.7 -1387930.8 81.23
      4556 -1369491.5 -704346.0 -280964.0 -686767.6 -1388684.7 80.88
      4456 -1369491.5 -704346.0 -280964.0 -686767.6 -1388684.7 80.88
      4464 -1369491.5 -726733.1 -280964.0 -659540.7 -1387930.8 81.23

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent 15678.2 78390.9 483.7 78518.2 15550.8 -87.42
  4564 15757.0 78784.8 640.4 78891.2 15650.5 -87.65
  4556 14167.5 70837.3 640.4 70955.6 14049.1 -87.39
  4456 17769.5 88847.5 320.9 89051.7 17565.3 -86.94
  4464 18991.3 94956.6 320.9 95147.7 18800.2 -87.13
MIN Cent 12499.5 62497.6 -3889.6 62761.8 12235.4 -85.85
  4564 7043.1 35215.5 -3664.8 35639.6 6619.0 -83.06
  4556 6194.2 30970.8 -3664.8 31451.0 5714.0 -82.15
  4456 13849.2 69245.9 -4106.9 69407.9 13687.2 -86.91
  4464 14877.9 74389.4 -4106.9 74540.3 14727.0 -87.12

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	-9716.4
4564	0.0	-8430.6
4556	0.0	-11002.1
4456	0.0	-11002.1
4464	0.0	-8430.6
MIN Cent	0.0	-101540.6
4564	0.0	-103150.2
4556	0.0	-99931.1
4456	-0.0	-99931.1
4464	-0.0	-103150.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1948	3	4	env SL~1	MAX Cent	5629893.6	-481154.2	439613.3	5645274.3	-531449.1	2.85
				4556	5629893.6	-473682.0	439613.3	5645311.5	-531890.1	2.86
				4548	5629893.6	-488626.4	439613.3	5645237.3	-531008.2	2.84
				4448	5629893.6	-488626.4	439613.3	5645237.3	-531008.2	2.84
				4456	5629893.6	-473682.0	439613.3	5645311.5	-531890.1	2.86
				MIN Cent	-1371248.8	-699181.9	-246899.9	-672200.9	-1400768.0	78.96
				4556	-1371248.8	-704682.7	-246899.9	-677853.1	-1400845.3	78.87
				4548	-1371248.8	-697272.1	-246899.9	-667829.8	-1400691.1	78.44
				4448	-1371248.8	-697272.1	-246899.9	-667829.8	-1400691.1	78.44
				4456	-1371248.8	-704682.7	-246899.9	-677853.1	-1400845.3	78.87

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	14089.3	70446.7	515.8	70451.4	14084.6	89.48
4556	14167.5	70837.3	723.6	70878.7	14126.0	-88.45
4548	11737.9	58689.4	723.6	58700.5	11726.7	89.12
4448	16457.3	82286.7	304.4	82500.4	16243.6	-86.74
4456	17769.5	88847.5	304.4	89045.6	17571.4	-86.98
MIN Cent	11288.5	56442.7	-3452.0	56705.1	11026.2	-85.65
4556	6194.2	30970.8	-3141.3	31362.8	5802.1	-82.89
4548	4733.2	23665.9	-3141.3	24173.5	4225.6	-80.82
4448	12619.1	63095.4	-3824.2	63261.2	12453.3	-86.73
4456	13849.2	69245.9	-3824.2	69397.1	13698.0	-87.01

NODE	Vxx	Vyy

MAX Cent	0.0	-18060.3
4556	0.0	-11002.1
4548	0.0	-24482.8
4448	-0.0	-24482.8
4456	0.0	-11002.1
MIN Cent	-0.0	-100573.4

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4556 -0.0 -99931.1
4548 0.0 -101215.7
4448 -0.0 -101215.7
4456 0.0 -99931.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1949	3	4	env SL~1	MAX Cent	5568328.4	-603046.4	489296.1	5604205.1	-603783.1	4.25
				4548	5568328.4	-493502.1	489296.1	5605828.1	-494274.6	4.44
				4540	5568328.4	-712590.7	489296.1	5602716.0	-713294.8	4.07
				4440	5568328.4	-712590.7	489296.1	5602716.0	-713294.8	4.07
				4448	5568328.4	-493502.1	489296.1	5605828.1	-494274.6	4.44
				MIN Cent	-1387985.5	-944703.1	-85845.5	-782662.0	-1388188.7	-88.95
				4548	-1387985.5	-700619.4	-85845.5	-700440.5	-1388164.4	-89.08
				4540	-1387985.5	-1238616.5	-85845.5	-864875.9	-1388220.6	-88.79
				4440	-1387985.5	-1238616.5	-85845.5	-864875.9	-1388220.6	-88.79
				4448	-1387985.5	-700619.4	-85845.5	-700440.5	-1388164.4	-89.08

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
------	-----	-----	-----	------	------	-------

MAX Cent	12922.8	64614.0	491.0	64618.7	12918.1	89.46
4548	11737.9	58689.4	663.0	58698.7	11728.5	89.19
4540	10479.8	52398.9	663.0	52409.4	10469.3	89.09
4440	14498.7	72493.6	313.6	72736.2	14256.1	-86.31
4448	16457.3	82286.7	313.6	82500.6	16243.4	-86.74
MIN Cent	9329.5	46647.3	-3518.1	46976.1	9000.7	-84.66
4548	4733.2	23665.9	-3262.0	24212.2	4186.9	-80.49
4540	2738.6	13692.9	-3262.0	14590.7	1840.8	-74.61
4440	10175.4	50877.2	-3935.2	51158.3	9816.7	-85.27
4448	12619.1	63095.4	-3935.2	63264.4	12450.1	-86.69

NODE	Vxx	Vyy
------	-----	-----

MAX Cent	0.0	-27929.1
4548	-0.0	-24482.8
4540	-0.0	-28012.3
4440	0.0	-28012.3
4448	0.0	-24482.8
MIN Cent	-0.0	-101371.0
4548	-0.0	-101215.7
4540	-0.0	-101526.3
4440	0.0	-101526.3
4448	0.0	-101215.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
------	-----	-----	----	------	-----	-----	-----	------	------	-------

1950	3	4	env SL~1	MAX Cent	5498559.6	-797256.1	394097.0	5521064.6	-810206.1	3.33
------	---	---	----------	----------	-----------	-----------	----------	-----------	-----------	------

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4540 5498559.6 -720359.1 394097.0 5521241.0 -745125.7 3.36
4532 5498559.6 -860330.9 394097.0 5520890.9 -861521.2 3.31
4432 5498559.6 -860330.9 394097.0 5520890.9 -861521.2 3.31
4440 5498559.6 -720359.1 394097.0 5521241.0 -745125.7 3.36
MIN Cent -1430754.2 -1314021.3 -55431.0 -959123.4 -1475648.8 74.24
4540 -1430754.2 -1253389.3 -55431.0 -843480.5 -1467081.6 77.23
4532 -1430754.2 -1374653.3 -55431.0 -1070541.7 -1488540.4 69.71
4432 -1430754.2 -1374653.3 -55431.0 -1070541.7 -1488540.4 69.71
4440 -1430754.2 -1253389.3 -55431.0 -843480.5 -1467081.6 77.23

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 11597.8 57989.1 533.4 57995.2 11591.7 89.34
4540 10479.8 52398.9 734.7 52411.8 10466.9 89.00
4532 9258.4 46291.9 734.7 46306.5 9243.8 88.86
4432 13019.0 65094.9 330.0 65366.1 12747.8 -85.88
4440 14498.7 72493.6 330.0 72737.3 14255.0 -86.30
MIN Cent 6650.4 33251.9 -3765.1 33774.6 6127.7 -82.10
4540 2738.6 13692.9 -3452.8 14609.5 1822.0 -74.47
4532 1296.2 6481.1 -3452.8 8084.0 -306.7 -64.08
4432 8618.2 43090.9 -4059.9 43446.9 8158.3 -84.23
4440 10175.4 50877.2 -4059.9 51179.6 9792.7 -85.09

```

```

NODE   Vxx   Vyy
-----
MAX Cent 0.0 -27745.8
4540 0.0 -28012.3
4532 0.0 -27479.4
4432 0.0 -27479.4
4440 0.0 -28012.3
MIN Cent 0.0 -101365.0
4540 0.0 -101526.3
4532 0.0 -101203.7
4432 -0.0 -101203.7
4440 -0.0 -101526.3

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1951 3 4 env SL~1 MAX Cent 5466485.6 -915390.2 306862.6 5474331.9 -917429.5 1.98
4532 5466485.6 -864586.8 306862.6 5474455.0 -866666.5 2.01
4524 5466485.6 -966193.6 306862.6 5474212.5 -968194.1 1.95
4424 5466485.6 -966193.6 306862.6 5474212.5 -968194.1 1.95
4432 5466485.6 -864586.8 306862.6 5474455.0 -866666.5 2.01
MIN Cent -1474867.6 -1490581.8 -73037.8 -1140788.0 -1553189.8 64.43
4532 -1474867.6 -1381715.8 -73037.8 -1066068.0 -1539370.3 68.64
4524 -1474867.6 -1599447.8 -73037.8 -1209634.4 -1606038.0 58.92
4424 -1474867.6 -1599447.8 -73037.8 -1209634.4 -1606038.0 58.92
4432 -1474867.6 -1381715.8 -73037.8 -1066068.0 -1539370.3 68.64

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	10303.2	51516.0	548.1	51523.3	10295.9	89.24
4532	9258.4	46291.9	761.0	46307.6	9242.8	88.82
4524	7946.3	39731.5	761.0	39749.7	7928.1	88.63
4424	11569.3	57846.5	334.3	58151.1	11328.8	-85.38
4432	13019.0	65094.9	334.3	65366.0	12747.9	-85.88
MIN Cent	4835.0	24175.0	-3803.4	24896.1	4113.9	-79.26
4532	1296.2	6481.1	-3516.9	8093.3	-315.9	-64.03
4524	-99.8	-499.0	-3516.9	3016.9	-3615.7	-43.27
4424	7152.0	35759.9	-4075.6	36191.0	6590.1	-83.05
4432	8618.2	43090.9	-4075.6	43450.3	8154.7	-84.20

NODE	Vxx	Vyy

MAX Cent	-0.0	-27438.8
4532	0.0	-27479.4
4524	0.0	-27398.2
4424	-0.0	-27398.2
4432	-0.0	-27479.4
MIN Cent	-0.0	-100972.0
4532	-0.0	-101203.7
4524	-0.0	-100740.3
4424	-0.0	-100740.3
4432	-0.0	-101203.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1952	3	4	env SL~1	MAX Cent	5444070.7	-932930.1	295455.6	5444303.1	-937976.2	-0.33
				4524	5444070.7	-966895.2	295455.6	5444303.3	-971877.2	-0.33
				4516	5444070.7	-898964.9	295455.6	5444302.9	-904076.9	-0.33
				4416	5444070.7	-898964.9	295455.6	5444302.9	-904076.9	-0.33
				4424	5444070.7	-966895.2	295455.6	5444303.3	-971877.2	-0.33
				MIN Cent	-1484935.8	-1607675.4	-115265.4	-1204071.4	-1608028.8	64.56
				4524	-1484935.8	-1604131.6	-115265.4	-1236228.5	-1604485.1	61.76
				4516	-1484935.8	-1611219.3	-115265.4	-1170485.3	-1611572.5	66.98
				4416	-1484935.8	-1611219.3	-115265.4	-1170485.3	-1611572.5	66.98
				4424	-1484935.8	-1604131.6	-115265.4	-1236228.5	-1604485.1	61.76

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	9182.3	45911.3	456.8	45917.0	9176.6	89.29
4524	7946.3	39731.5	599.2	39742.8	7935.0	88.92
4516	7188.0	35939.8	599.2	35952.3	7175.5	88.81
4416	10397.7	51988.5	306.0	52350.0	10261.3	-84.70
4424	11569.3	57846.5	306.0	58171.9	11329.2	-85.22
MIN Cent	3416.1	17080.3	-4020.8	18175.6	2320.7	-74.76
4524	-99.8	-499.0	-3846.1	3337.1	-3935.9	-43.43

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4516 -567.9 -2839.3 -3846.1 2100.9 -5508.1 -36.32
4416 6002.2 30010.8 -4198.6 30566.0 5289.1 -81.54
4424 7152.0 35759.9 -4198.6 36218.8 6555.9 -82.84

```

```

NODE Vxx Vyy

```

```

MAX Cent 0.0 -26122.4

```

```

4524 0.0 -27398.2
4516 0.0 -24846.7
4416 -0.0 -24846.7
4424 -0.0 -27398.2

```

```

MIN Cent 0.0 -97703.5

```

```

4524 0.0 -100740.3
4516 0.0 -94666.7
4416 -0.0 -94666.7
4424 -0.0 -100740.3

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

1953 3 4 env SL~1 MAX Cent 5540522.2 -665282.8 420315.7 5554056.0 -667803.9 -2.69

```

```

4516 5540522.2 -888259.0 420315.7 5553091.9 -890567.4 -2.52
4508 5540522.2 -442306.5 420315.7 5555166.6 -445083.6 -2.90
4408 5540522.2 -442306.5 420315.7 5555166.6 -445083.6 -2.90
4416 5540522.2 -888259.0 420315.7 5553091.9 -890567.4 -2.52

```

```

MIN Cent -1434722.2 -1105337.5 -310484.4 -959493.1 -1497245.9 70.89

```

```

4516 -1434722.2 -1591125.8 -310484.4 -1128620.5 -1603834.4 61.72
4508 -1434722.2 -815896.9 -310484.4 -774809.0 -1479602.1 75.99
4408 -1434722.2 -815896.9 -310484.4 -774809.0 -1479602.1 75.99
4416 -1434722.2 -1591125.8 -310484.4 -1128620.5 -1603834.4 61.72

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

MAX Cent 8420.0 42099.8 384.4 42104.2 8415.6 89.35

```

```

4516 7188.0 35939.8 475.5 35947.6 7180.1 89.05
4508 6840.3 34201.4 475.5 34209.7 6832.0 89.00
4408 9908.7 49543.5 279.1 49901.1 9551.1 -84.60
4416 10397.7 51988.5 279.1 52329.6 10261.7 -84.85

```

```

MIN Cent 2593.4 12966.8 -3964.1 14308.2 1252.0 -71.30

```

```

4516 -567.9 -2839.3 -3875.5 2201.1 -5608.2 -36.55
4508 -842.2 -4211.1 -3875.5 1699.1 -6752.4 -33.25
4408 5443.3 27216.7 -4051.3 27774.5 4756.9 -81.02
4416 6002.2 30010.8 -4051.3 30530.8 5337.0 -81.81

```

```

NODE Vxx Vyy

```

```

MAX Cent 0.0 -22925.2

```

```

4516 0.0 -24846.7
4508 0.0 -21003.7

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4408 -0.0 -21003.7
4416 0.0 -24846.7
MIN Cent -0.0 -91678.5
4516 0.0 -94666.7
4508 0.0 -88690.2
4408 -0.0 -88690.2
4416 -0.0 -94666.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1954	3	4	env SL~1	MAX Cent	5665082.1	-410167.4	300553.9	5679914.8	-424972.9	2.83
				4496	5665082.1	-43025.0	300553.9	5680862.7	-58717.8	3.01
				4488	5665082.1	-614419.4	300553.9	5679074.1	-616601.0	2.67
				4388	5665082.1	-614419.4	300553.9	5679074.1	-616601.0	2.67
				4396	5665082.1	-43025.0	300553.9	5680862.7	-58717.8	3.01
				MIN Cent	-1385634.7	-771111.5	-81391.7	-761133.6	-1395808.2	-82.82
				4496	-1385634.7	-883177.2	-81391.7	-871151.2	-1397968.8	-81.31
				4488	-1385634.7	-815886.0	-81391.7	-650871.3	-1394284.2	-83.81
				4388	-1385634.7	-815886.0	-81391.7	-650871.3	-1394284.2	-83.81
				4396	-1385634.7	-883177.2	-81391.7	-871151.2	-1397968.8	-81.31

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	30319.5	151597.4	-283.5	151736.9	30180.0	-88.06
4496	24168.6	120843.1	-139.0	120996.2	24015.5	-87.72
4488	22376.7	111883.6	-139.0	112049.0	22211.4	-87.54
4388	36645.2	183226.2	-435.9	183356.3	36515.1	-88.29
4396	38087.4	190436.8	-435.9	190562.0	37962.1	-88.36
MIN Cent	20126.1	100630.6	-4195.1	100759.0	19997.7	-87.71
4496	19266.6	96332.8	-3860.6	96449.8	19149.5	-87.77
4488	17665.8	88329.2	-3860.6	88456.8	17538.2	-87.57
4388	21322.3	106611.7	-4495.9	106747.9	21186.1	-87.71
4396	22249.8	111248.8	-4495.9	111379.3	22119.2	-87.81

NODE	Vxx	Vyy
MAX Cent	0.0	-28660.6
4496	0.0	-25754.2
4488	0.0	-31567.0
4388	0.0	-31567.0
4396	0.0	-25754.2
MIN Cent	-0.0	-121671.6
4496	-0.0	-120161.7
4488	-0.0	-123181.4
4388	0.0	-123181.4
4396	0.0	-120161.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1955	3	4	env SL~1	MAX Cent	5595709.9	-591515.8	247949.9	5605366.4	-594019.3	2.23
				4488	5595709.9	-615715.1	247949.9	5605315.5	-619784.6	2.22
				4480	5595709.9	-565723.4	247949.9	5605417.9	-568254.6	2.24
				4380	5595709.9	-565723.4	247949.9	5605417.9	-568254.6	2.24
				4388	5595709.9	-615715.1	247949.9	5605315.5	-619784.6	2.22
				MIN Cent	-1361350.8	-795711.9	-98498.5	-647084.8	-1363958.0	-86.54
				4488	-1361350.8	-829753.1	-98498.5	-652038.7	-1363976.2	-86.52
				4480	-1361350.8	-761670.8	-98498.5	-642130.6	-1363940.0	-86.57
				4380	-1361350.8	-761670.8	-98498.5	-642130.6	-1363940.0	-86.57
				4388	-1361350.8	-829753.1	-98498.5	-652038.7	-1363976.2	-86.52
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	28754.8	143774.0	-253.5	143946.8	28581.9	-87.78
				4488	22376.7	111883.6	-53.1	112083.0	22177.4	-87.30
				4480	21214.0	106069.9	-53.1	106280.1	21003.8	-87.15
				4380	34783.2	173916.1	-459.4	174075.7	34623.7	-88.06
				4388	36645.2	183226.2	-459.4	183377.7	36493.8	-88.16
				MIN Cent	18960.9	94804.6	-4705.1	94965.4	18800.1	-87.37
				4488	17665.8	88329.2	-4513.9	88485.5	17509.5	-87.31
				4480	16683.6	83418.1	-4513.9	83583.6	16518.1	-87.15
				4380	20171.9	100859.3	-4903.8	101025.8	20005.3	-87.40
				4388	21322.3	106611.7	-4903.8	106769.3	21164.7	-87.54
				NODE	Vxx	Vyy				
				MAX Cent	-0.0	-30840.6				
				4488	-0.0	-31567.0				
				4480	-0.0	-30114.2				
				4380	-0.0	-30114.2				
				4388	-0.0	-31567.0				
				MIN Cent	-0.0	-120163.0				
				4488	-0.0	-123181.4				
				4480	-0.0	-117144.6				
				4380	-0.0	-117144.6				
				4388	-0.0	-123181.4				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1956	3	4	env SL~1	MAX Cent	5607835.1	-546236.6	179103.8	5612899.8	-550817.3	1.62
				4480	5607835.1	-563912.2	179103.8	5612880.2	-568458.5	1.62
				4472	5607835.1	-528561.0	179103.8	5612919.4	-533176.7	1.63
				4372	5607835.1	-528561.0	179103.8	5612919.4	-533176.7	1.63
				4380	5607835.1	-563912.2	179103.8	5612880.2	-568458.5	1.62
				MIN Cent	-1361113.4	-735398.2	-197837.1	-648360.7	-1361257.3	89.19
				4480	-1361113.4	-759258.2	-197837.1	-644529.2	-1361256.5	89.19

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4472 -1361113.4 -711538.1 -197837.1 -652192.3 -1361258.1 89.18
 4372 -1361113.4 -711538.1 -197837.1 -652192.3 -1361258.1 89.18
 4380 -1361113.4 -759258.2 -197837.1 -644529.2 -1361256.5 89.19

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 27304.8 136523.8 -231.7 136702.6 27126.0 -87.69
 4480 21214.0 106069.9 -34.1 106278.0 21005.9 -87.17
 4472 20115.8 100578.9 -34.1 100798.3 19896.4 -87.01
 4372 33106.1 165530.5 -432.9 165693.8 32942.8 -87.99
 4380 34783.2 173916.1 -432.9 174071.6 34627.8 -88.09
 MIN Cent 17955.1 89775.7 -4708.0 89943.7 17787.2 -87.23
 4480 16683.6 83418.1 -4556.5 83583.6 16518.2 -87.15
 4472 15794.3 78971.5 -4556.5 79146.2 15619.6 -86.99
 4372 19170.8 95853.9 -4867.2 96025.4 18999.3 -87.30
 4380 20171.9 100859.3 -4867.2 101022.3 20008.8 -87.43

NODE Vxx Vyy

MAX Cent 0.0 -29631.9
 4480 -0.0 -30114.2
 4472 -0.0 -29149.5
 4372 0.0 -29149.5
 4380 0.0 -30114.2
 MIN Cent 0.0 -114645.6
 4480 -0.0 -117144.6
 4472 -0.0 -112146.6
 4372 -0.0 -112146.6
 4380 -0.0 -117144.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1957 3 4 env SL~1 MAX Cent 5613395.7 -518780.9 177673.9 5618361.7 -532445.3 1.61
 4472 5613395.7 -527462.7 177673.9 5618359.9 -541076.3 1.61
 4464 5613395.7 -510099.0 177673.9 5618363.5 -523814.7 1.61
 4364 5613395.7 -510099.0 177673.9 5618363.5 -523814.7 1.61
 4372 5613395.7 -527462.7 177673.9 5618359.9 -541076.3 1.61
 MIN Cent -1363206.8 -709570.1 -249731.9 -653851.6 -1369080.5 85.14
 4472 -1363206.8 -710505.0 -249731.9 -647679.9 -1369033.7 85.19
 4464 -1363206.8 -708635.1 -249731.9 -660022.6 -1369128.0 85.10
 4364 -1363206.8 -708635.1 -249731.9 -660022.6 -1369128.0 85.10
 4372 -1363206.8 -710505.0 -249731.9 -647679.9 -1369033.7 85.19

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 25899.6 129497.8 -241.5 129686.8 25710.6 -87.56
 4472 20115.8 100578.9 -47.1 100798.4 19896.3 -87.01
 4464 18991.5 94957.5 -47.1 95189.9 18759.1 -86.84

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4364 31384.9 156924.3 -440.5 157097.4 31211.8 -87.87
4372 33106.1 165530.5 -440.5 165694.6 32942.0 -87.99
MIN Cent 16994.1 84970.5 -4696.0 85148.3 16816.3 -87.08
4472 15794.3 78971.5 -4530.0 79146.1 15619.7 -86.99
4464 14878.8 74393.8 -4530.0 74579.1 14693.5 -86.81
4364 18132.5 90662.7 -4868.7 90844.9 17950.4 -87.13
4372 19170.8 95853.9 -4868.7 96026.3 18998.4 -87.29

```

NODE Vxx Vyy

```

MAX Cent -0.0 -28619.8
4472 0.0 -29149.5
4464 0.0 -28090.1
4364 -0.0 -28090.1
4372 -0.0 -29149.5
MIN Cent -0.0 -109569.9
4472 0.0 -112146.6
4464 0.0 -106993.1
4364 -0.0 -106993.1
4372 -0.0 -112146.6

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1958 3 4 env SL~1 MAX Cent 5623355.0 -490542.9 277766.5 5629591.1 -523980.4 1.81
4464 5623355.0 -508969.5 277766.5 5629545.9 -542145.8 1.80
4456 5623355.0 -472116.4 277766.5 5629636.9 -505819.2 1.82
4356 5623355.0 -472116.4 277766.5 5629636.9 -505819.2 1.82
4364 5623355.0 -508969.5 277766.5 5629545.9 -542145.8 1.80
MIN Cent -1366325.9 -674567.2 -272964.4 -659627.2 -1382618.4 81.73
4464 -1366325.9 -706709.6 -272964.4 -651050.5 -1382421.8 81.83
4456 -1366325.9 -683323.0 -272964.4 -668199.6 -1382819.6 81.63
4356 -1366325.9 -683323.0 -272964.4 -668199.6 -1382819.6 81.63
4364 -1366325.9 -706709.6 -272964.4 -651050.5 -1382421.8 81.83

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 24449.5 122247.4 -242.4 122444.7 24252.2 -87.43
4464 18991.5 94957.5 -53.2 95185.4 18763.6 -86.87
4456 17765.5 88827.5 -53.2 89071.0 17522.0 -86.66
4356 29656.1 148280.3 -436.2 148461.6 29474.8 -87.76
4364 31384.9 156924.3 -436.2 157095.7 31213.5 -87.89
MIN Cent 15979.6 79898.2 -4618.0 80083.9 15794.0 -86.92
4464 14878.8 74393.8 -4414.8 74574.2 14698.4 -86.85
4456 13841.0 69205.2 -4414.8 69399.0 13647.2 -86.62
4356 17066.2 85331.1 -4821.6 85522.4 16874.9 -86.97
4364 18132.5 90662.7 -4821.6 90842.8 17952.4 -87.15

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent    0.0 -27966.7
  4464    0.0 -28090.1
  4456    0.0 -27843.2
  4356    0.0 -27843.2
  4364    0.0 -28090.1
MIN Cent   -0.0 -104822.7
  4464    0.0 -106993.1
  4456    0.0 -102652.3
  4356    0.0 -102652.3
  4364    0.0 -106993.1

```

```

ELEM MAT SEC  LC  NODE  Fxx  Fyy  Fxy  Fmax  Fmin  ANGLE
-----
1959  3  4 env SL~1 MAX Cent 5626743.5 -505390.9 429255.5 5641018.4 -531072.1  2.75
      4456 5626743.5 -473518.7 429255.5 5641087.0 -518018.7  2.76
      4448 5626743.5 -518590.2 429255.5 5640950.4 -544127.1  2.73
      4348 5626743.5 -518590.2 429255.5 5640950.4 -544127.1  2.73
      4356 5626743.5 -473518.7 429255.5 5641087.0 -518018.7  2.76
      MIN Cent -1370630.9 -696092.4 -243645.1 -671021.8 -1397474.0  79.42
      4456 -1370630.9 -684156.8 -243645.1 -660141.8 -1396901.3  79.58
      4448 -1370630.9 -711955.5 -243645.1 -684515.2 -1398071.2  78.69
      4348 -1370630.9 -711955.5 -243645.1 -684515.2 -1398071.2  78.69
      4356 -1370630.9 -684156.8 -243645.1 -660141.8 -1396901.3  79.58

```

```

      NODE  Mxx  Myy  Mxy  Mmax  Mmin  ANGLE
-----
MAX Cent  22952.5 114762.5 -307.1 114974.9 22740.1 -87.25
  4456  17765.5 88827.5 -61.9 89062.3 17530.7 -86.72
  4448  16456.4 82282.2 -61.9 82535.6 16203.1 -86.46
  4348  27932.0 139660.0 -562.1 139862.9 27729.1 -87.56
  4356  29656.1 148280.3 -562.1 148471.4 29464.9 -87.70
      MIN Cent  14851.8 74259.2 -4484.9 74456.2 14654.8 -86.71
  4456  13841.0 69205.2 -4091.6 69384.9 13661.3 -86.74
  4448  12623.1 63115.5 -4091.6 63312.4 12426.2 -86.43
  4348  15877.0 79385.0 -4868.2 79599.1 15662.8 -86.68
  4356  17066.2 85331.1 -4868.2 85530.4 16866.9 -86.91

```

```

      NODE  Vxx  Vyy
-----
MAX Cent    0.0 -27967.2
  4456    0.0 -27843.2
  4448    0.0 -28091.2
  4348    0.0 -28091.2
  4356    0.0 -27843.2
      MIN Cent    0.0 -100860.9
  4456   -0.0 -102652.3
  4448   -0.0 -99069.5
  4348   -0.0 -99069.5

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

4356 -0.0 -102652.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1960	3	4	env SL~1	MAX Cent	5569922.5	-627766.8	454453.4	5600976.5	-631403.6	3.99
				4448	5569922.5	-523485.2	454453.4	5602217.6	-527287.9	4.14
				4440	5569922.5	-706692.5	454453.4	5599834.6	-707009.1	3.81
				4340	5569922.5	-706692.5	454453.4	5599834.6	-707009.1	3.81
				4348	5569922.5	-523485.2	454453.4	5602217.6	-527287.9	4.14
				MIN Cent	-1389532.7	-935930.1	-93180.3	-789582.1	-1390551.7	-87.64
				4448	-1389532.7	-715735.8	-93180.3	-714829.7	-1390438.8	-87.90
				4440	-1389532.7	-1193040.3	-93180.3	-864302.5	-1390696.7	-87.30
				4340	-1389532.7	-1193040.3	-93180.3	-864302.5	-1390696.7	-87.30
				4348	-1389532.7	-715735.8	-93180.3	-714829.7	-1390438.8	-87.90

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	21073.6	105368.0	-265.1	105594.7	20846.9	-87.04
4448	16456.4	82282.2	-58.1	82536.8	16201.9	-86.45
4440	14498.2	72490.9	-58.1	72779.5	14209.5	-85.97
4340	25407.8	127038.9	-478.6	127252.6	25194.1	-87.38
4348	27932.0	139660.0	-478.6	139854.4	27737.6	-87.61
MIN Cent	13398.0	66990.0	-4527.2	67206.3	13181.7	-86.37
4448	12623.1	63115.5	-4220.3	63317.0	12421.6	-86.39
4440	10178.1	50890.3	-4220.3	51220.1	9763.3	-84.88
4340	14228.5	71142.7	-4827.2	71372.6	13998.6	-86.37
4348	15877.0	79385.0	-4827.2	79591.2	15670.8	-86.74

NODE Vxx Vyy

MAX Cent	0.0	-27349.5
4448	-0.0	-28091.2
4440	-0.0	-26052.1
4340	0.0	-26052.1
4348	0.0	-28091.2
MIN Cent	-0.0	-96626.6
4448	-0.0	-99069.5
4440	-0.0	-94183.6
4340	-0.0	-94183.6
4348	-0.0	-99069.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1961	3	4	env SL~1	MAX Cent	5507322.5	-789752.0	380647.3	5528288.3	-791083.1	3.24
				4440	5507322.5	-712556.4	380647.3	5528463.1	-734445.7	3.26
				4432	5507322.5	-840976.1	380647.3	5528116.4	-842280.7	3.21
				4332	5507322.5	-840976.1	380647.3	5528116.4	-842280.7	3.21

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4340 5507322.5 -712556.4 380647.3 5528463.1 -734445.7 3.26
MIN Cent -1429223.2 -1270301.2 -57857.2 -962300.7 -1462481.9 76.54
4440 -1429223.2 -1206415.1 -57857.2 -851772.4 -1456269.9 79.05
4432 -1429223.2 -1334187.3 -57857.2 -1069935.1 -1471760.5 72.72
4332 -1429223.2 -1334187.3 -57857.2 -1069935.1 -1471760.5 72.72
4340 -1429223.2 -1206415.1 -57857.2 -851772.4 -1456269.9 79.05

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 19104.6 95523.1 -262.6 95773.2 18854.6 -86.73
4440 14498.2 72490.9 -38.5 72781.0 14208.1 -85.96
4432 13024.5 65122.7 -38.5 65445.2 12702.0 -85.51
4332 23488.0 117440.1 -493.0 117670.3 23257.8 -87.17
4340 25407.8 127038.9 -493.0 127251.8 25194.9 -87.38
MIN Cent 11771.5 58857.4 -4607.9 59206.2 11422.7 -85.10
4440 10178.1 50890.3 -4358.5 51245.6 9734.8 -84.69
4432 8623.4 43117.0 -4358.5 43534.9 8093.9 -83.76
4332 12992.7 64963.6 -4856.9 65218.1 12738.2 -86.01
4340 14228.5 71142.7 -4856.9 71375.3 13995.9 -86.35

```

NODE Vxx Vyy

```

MAX Cent 0.0 -25085.5
4440 0.0 -26052.1
4432 0.0 -24118.9
4332 0.0 -24118.9
4340 0.0 -26052.1
MIN Cent -0.0 -92257.9
4440 -0.0 -94183.6
4432 -0.0 -90332.2
4332 0.0 -90332.2
4340 0.0 -94183.6

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1962 3 4 env SL~1 MAX Cent 5476569.2 -893487.0 291873.0 5483109.2 -895665.4 1.83
4432 5476569.2 -845125.5 291873.0 5483204.7 -847345.2 1.85
4424 5476569.2 -941848.5 291873.0 5483016.2 -943987.1 1.80
4324 5476569.2 -941848.5 291873.0 5483016.2 -943987.1 1.80
4332 5476569.2 -845125.5 291873.0 5483204.7 -847345.2 1.85
MIN Cent -1470778.9 -1440911.8 -75236.7 -1135857.0 -1533315.8 66.89
4432 -1470778.9 -1341011.7 -75236.7 -1062940.3 -1522444.7 70.69
4424 -1470778.9 -1540811.9 -75236.7 -1204078.2 -1548342.7 61.82
4324 -1470778.9 -1540811.9 -75236.7 -1204078.2 -1548342.7 61.82
4332 -1470778.9 -1341011.7 -75236.7 -1062940.3 -1522444.7 70.69

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 17406.1 87030.5 -264.3 87304.8 17131.8 -86.42
  4432 13024.5 65122.7 -32.8 65445.2 12702.0 -85.51
  4424 11547.9 57739.7 -32.8 58102.9 11333.0 -84.95
  4324 21563.9 107819.6 -502.1 108070.4 21313.1 -86.92
  4332 23488.0 117440.1 -502.1 117670.4 23257.7 -87.17
MIN Cent 10253.6 51268.1 -4618.1 51669.8 9851.9 -84.38
  4432 8623.4 43117.0 -4376.4 43539.1 8089.5 -83.73
  4424 7132.7 35663.6 -4376.4 36171.1 6480.6 -82.47
  4324 11766.7 58833.4 -4860.1 59114.5 11485.6 -85.59
  4332 12992.7 64963.6 -4860.1 65218.4 12737.9 -86.00

```

```

NODE Vxx Vyy
-----
MAX Cent -0.0 -23206.7
  4432 -0.0 -24118.9
  4424 -0.0 -22293.6
  4324 0.0 -22293.6
  4332 0.0 -24118.9
MIN Cent -0.0 -88400.6
  4432 -0.0 -90332.2
  4424 -0.0 -86469.0
  4324 0.0 -86469.0
  4332 0.0 -90332.2

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1963 3 4 env SL~1 MAX Cent 5458736.4 -909423.4 296100.8 5459050.2 -913750.9 -0.39
  4424 5458736.4 -942486.0 296100.8 5459049.8 -946759.5 -0.39
  4416 5458736.4 -876360.8 296100.8 5459050.5 -880743.7 -0.39
  4316 5458736.4 -876360.8 296100.8 5459050.5 -880743.7 -0.39
  4324 5458736.4 -942486.0 296100.8 5459049.8 -946759.5 -0.39
MIN Cent -1480891.4 -1534701.8 -106346.2 -1186983.7 -1541302.4 65.61
  4424 -1480891.4 -1544563.5 -106346.2 -1215716.3 -1547848.1 63.32
  4416 -1480891.4 -1524840.0 -106346.2 -1157254.8 -1535753.1 67.62
  4316 -1480891.4 -1524840.0 -106346.2 -1157254.8 -1535753.1 67.62
  4324 -1480891.4 -1544563.5 -106346.2 -1215716.3 -1547848.1 63.32

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 15857.6 79288.1 -254.8 79600.7 15545.0 -85.99
  4424 11547.9 57739.7 -69.2 58127.4 11333.0 -84.79
  4416 10504.0 52519.9 -69.2 52945.4 10263.8 -84.28
  4316 19814.6 99073.1 -446.0 99350.6 19537.1 -86.62
  4324 21563.9 107819.6 -446.0 108074.7 21308.8 -86.89
MIN Cent 8939.3 44696.5 -4691.6 45170.4 8465.3 -83.48
  4424 7132.7 35663.6 -4511.1 36204.2 6440.6 -82.23
  4416 6100.4 30501.8 -4511.1 31129.8 5305.1 -81.00
  4316 10643.9 53219.4 -4878.4 53655.1 10208.2 -84.25
  4324 11766.7 58833.4 -4878.4 59115.9 11484.2 -85.58

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	-0.0	-21477.0
4424	0.0	-22293.6
4416	0.0	-20652.3
4316	-0.0	-20652.3
4324	-0.0	-22293.6
MIN Cent	-0.0	-83424.3
4424	-0.0	-86469.0
4416	-0.0	-80379.6
4316	-0.0	-80379.6
4324	-0.0	-86469.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1964	3	4	env SL~1	MAX Cent	5541352.7	-681890.7	443108.6	5551090.0	-682773.5	-2.25
				4416	5541352.7	-867259.5	443108.6	5550520.4	-868079.8	-2.13
				4408	5541352.7	-496521.8	443108.6	5551731.3	-497477.6	-2.40
				4308	5541352.7	-496521.8	443108.6	5551731.3	-497477.6	-2.40
				4316	5541352.7	-867259.5	443108.6	5550520.4	-868079.8	-2.13
				MIN Cent	-1434256.3	-1099337.6	-259091.9	-944162.2	-1510001.1	69.29
				4416	-1434256.3	-1507425.5	-259091.9	-1100053.5	-1540035.1	60.99
				4408	-1434256.3	-825649.3	-259091.9	-773673.1	-1491128.6	74.33
				4308	-1434256.3	-825649.3	-259091.9	-773673.1	-1491128.6	74.33
				4316	-1434256.3	-1507425.5	-259091.9	-1100053.5	-1540035.1	60.99

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	14576.9	72884.7	-256.2	73204.5	14257.1	-85.78
4416	10504.0	52519.9	-101.9	52925.4	10263.7	-84.42
4408	9489.8	47449.2	-101.9	47897.0	9390.9	-83.84
4308	18499.3	92496.4	-416.2	92771.6	18224.0	-86.52
4316	19814.6	99073.1	-416.2	99330.2	19557.5	-86.75
MIN Cent	7908.7	39543.5	-4526.0	40041.9	7410.3	-82.90
4416	6100.4	30501.8	-4372.6	31094.9	5352.4	-81.24
4408	5045.8	25229.2	-4372.6	26013.9	4139.3	-79.59
4308	9829.2	49146.2	-4672.4	49579.0	9396.4	-84.04
4316	10643.9	53219.4	-4672.4	53619.8	10243.6	-84.49

NODE	Vxx	Vyy

MAX Cent	-0.0	-20019.0
4416	0.0	-20652.3
4408	0.0	-19385.8
4308	-0.0	-19385.8
4316	-0.0	-20652.3
MIN Cent	-0.0	-79079.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4416 -0.0 -80379.6
4408 -0.0 -77779.4
4308 -0.0 -77779.4
4316 -0.0 -80379.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1965	3	4	env SL~1	MAX Cent	5657781.4	-446670.7	251853.5	5668111.0	-456979.5	2.36
				4396	5657781.4	-178082.8	251853.5	5668585.9	-188864.5	2.47
				4388	5657781.4	-590454.3	251853.5	5667675.9	-591751.2	2.26
				4288	5657781.4	-590454.3	251853.5	5667675.9	-591751.2	2.26
				4296	5657781.4	-178082.8	251853.5	5668585.9	-188864.5	2.47
				MIN Cent	-1379030.2	-738089.0	-73962.2	-730236.0	-1387040.7	-83.72
				4396	-1379030.2	-819475.9	-73962.2	-810514.0	-1388170.1	-82.84
				4388	-1379030.2	-753786.7	-73962.2	-649757.2	-1386156.0	-84.33
				4288	-1379030.2	-753786.7	-73962.2	-649757.2	-1386156.0	-84.33
				4296	-1379030.2	-819475.9	-73962.2	-810514.0	-1388170.1	-82.84

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
------	-----	-----	-----	------	------	-------

MAX Cent	45342.5	226712.6	-1063.4	226863.6	45191.5	-88.35
4396	38558.3	192791.3	-875.0	192949.2	38400.4	-88.17
4388	36537.3	182686.7	-875.0	182853.3	36370.7	-88.07
4288	52320.2	261600.8	-1252.9	261746.5	52174.4	-88.49
4296	53954.3	269771.5	-1252.9	269912.8	53813.0	-88.53
MIN Cent	24264.7	121323.3	-5236.0	121482.0	24105.9	-87.69
4396	22610.4	113051.9	-4937.4	113206.8	22455.5	-87.63
4388	21239.3	106196.6	-4937.4	106361.5	21074.4	-87.48
4288	26202.0	131010.1	-5524.3	131169.9	26042.2	-87.77
4296	27006.9	135034.4	-5524.3	135189.5	26851.8	-87.83

NODE	Vxx	Vyy
------	-----	-----

MAX Cent	-0.0	-40399.5
4396	0.0	-37955.5
4388	0.0	-42843.4
4288	-0.0	-42843.4
4296	-0.0	-37955.5
MIN Cent	-0.0	-134585.0
4396	0.0	-132915.4
4388	0.0	-136254.6
4288	-0.0	-136254.6
4296	-0.0	-132915.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1966	3	4	env SL~1	MAX Cent	5604699.6	-572960.0	244879.8	5614173.4	-575323.8	2.22

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4388 5604699.6 -592746.6 244879.8 5614153.1 -595090.5 2.21
4380 5604699.6 -553173.5 244879.8 5614193.8 -555557.4 2.22
4280 5604699.6 -553173.5 244879.8 5614193.8 -555557.4 2.22
4288 5604699.6 -592746.6 244879.8 5614153.1 -595090.5 2.21
MIN Cent -1359907.2 -750468.6 -89468.7 -639378.2 -1363054.4 -86.47
4388 -1359907.2 -764390.4 -89468.7 -650084.9 -1363101.4 -86.42
4380 -1359907.2 -736546.8 -89468.7 -628722.3 -1363008.8 -86.27
4280 -1359907.2 -736546.8 -89468.7 -628722.3 -1363008.8 -86.27
4288 -1359907.2 -764390.4 -89468.7 -650084.9 -1363101.4 -86.42

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 43381.3 216906.7 -1122.1 217087.7 43200.4 -88.15
4388 36537.3 182686.7 -891.3 182877.2 36346.8 -87.93
4380 34808.8 174044.1 -891.3 174244.0 34608.9 -87.83
4280 49859.1 249295.3 -1358.7 249472.8 49681.5 -88.29
4288 52320.2 261600.8 -1358.7 261770.0 52151.0 -88.37
MIN Cent 23142.1 115710.4 -5606.8 115899.6 22952.9 -87.41
4388 21239.3 106196.6 -5299.9 106385.1 21050.8 -87.31
4380 20192.1 100960.3 -5299.9 101158.6 19993.8 -87.17
4280 24934.9 124674.6 -5952.9 124866.3 24743.1 -87.49
4288 26202.0 131010.1 -5952.9 131192.7 26019.5 -87.61

```

```

NODE Vxx Vyy
-----
MAX Cent -0.0 -41894.4
4388 -0.0 -42843.4
4380 -0.0 -40945.4
4280 0.0 -40945.4
4288 0.0 -42843.4
MIN Cent -0.0 -133092.4
4388 -0.0 -136254.6
4380 -0.0 -129930.2
4280 -0.0 -129930.2
4288 -0.0 -136254.6

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1967 3 4 env SL~1 MAX Cent 5612113.7 -537487.2 175894.8 5617016.5 -541790.9 1.60
4380 5612113.7 -551754.6 175894.8 5616999.5 -556032.0 1.59
4372 5612113.7 -523219.9 175894.8 5617033.7 -527550.2 1.60
4272 5612113.7 -523219.9 175894.8 5617033.7 -527550.2 1.60
4280 5612113.7 -551754.6 175894.8 5616999.5 -556032.0 1.59
MIN Cent -1358741.1 -713702.5 -189400.2 -636620.9 -1358763.5 89.68
4380 -1358741.1 -735076.2 -189400.2 -631568.5 -1358763.3 89.68
4372 -1358741.1 -692328.9 -189400.2 -641673.2 -1358763.6 89.68
4272 -1358741.1 -692328.9 -189400.2 -641673.2 -1358763.6 89.68
4280 -1358741.1 -735076.2 -189400.2 -631568.5 -1358763.3 89.68

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	41355.2	206776.0	-1083.8	206960.6	41170.6	-88.09
4380	34808.8	174044.1	-866.2	174239.6	34613.2	-87.86
4372	33100.8	165504.1	-866.2	165709.7	32895.2	-87.74
4272	47652.1	238260.6	-1304.2	238440.0	47472.7	-88.24
4280	49859.1	249295.3	-1304.2	249466.8	49687.6	-88.32
MIN Cent	22033.4	110167.2	-5529.4	110361.1	21839.5	-87.32
4380	20192.1	100960.3	-5268.1	101155.0	19997.4	-87.19
4372	19166.4	95832.2	-5268.1	96037.2	18961.4	-87.04
4272	23840.3	119201.5	-5850.4	119396.0	23645.9	-87.42
4280	24934.9	124674.6	-5850.4	124860.5	24749.0	-87.53

NODE	Vxx	Vyy

MAX Cent	0.0	-40647.7
4380	-0.0	-40945.4
4372	-0.0	-40349.9
4272	0.0	-40349.9
4280	0.0	-40945.4
MIN Cent	0.0	-127776.5
4380	-0.0	-129930.2
4372	-0.0	-125622.8
4272	0.0	-125622.8
4280	0.0	-129930.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1968	3	4	env SL~1	MAX Cent	5617138.2	-516238.1	173203.5	5621787.8	-529238.7	1.56
				4372	5617138.2	-522369.9	173203.5	5621786.2	-535336.3	1.56
				4364	5617138.2	-510106.2	173203.5	5621789.4	-523141.3	1.56
				4264	5617138.2	-510106.2	173203.5	5621789.4	-523141.3	1.56
				4272	5617138.2	-522369.9	173203.5	5621786.2	-535336.3	1.56
				MIN Cent	-1361054.3	-690668.1	-242448.8	-644152.3	-1365766.4	85.70
				4372	-1361054.3	-691407.5	-242448.8	-638135.2	-1365730.7	85.73
				4364	-1361054.3	-689928.7	-242448.8	-650168.8	-1365802.6	85.66
				4264	-1361054.3	-689928.7	-242448.8	-650168.8	-1365802.6	85.66
				4272	-1361054.3	-691407.5	-242448.8	-638135.2	-1365730.7	85.73

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	39380.5	196902.6	-1093.1	197097.6	39185.5	-87.99
4372	33100.8	165504.1	-873.8	165710.6	32894.3	-87.74
4364	31382.4	156912.2	-873.8	157129.9	31164.7	-87.62
4264	45386.7	226933.6	-1315.8	227123.3	45197.0	-88.15
4272	47652.1	238260.6	-1315.8	238441.4	47471.4	-88.24
MIN Cent	20959.3	104796.4	-5545.4	105001.5	20754.2	-87.17
4372	19166.4	95832.2	-5268.0	96038.1	18960.6	-87.04

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4364 18131.2 90655.8 -5268.0 90873.3 17913.6 -86.87
4264 22699.2 113496.2 -5872.5 113702.0 22493.5 -87.28
4272 23840.3 119201.5 -5872.5 119397.5 23644.3 -87.41
    
```

```

NODE   Vxx   Vyy
    
```

```

MAX Cent  -0.0 -39893.3
    
```

```

4372  -0.0 -40349.9
4364  -0.0 -39436.7
4264   0.0 -39436.7
4272   0.0 -40349.9
    
```

```

MIN Cent  -0.0 -123261.6
    
```

```

4372  -0.0 -125622.8
4364  -0.0 -120900.3
4264  -0.0 -120900.3
4272  -0.0 -125622.8
    
```

```

ELEM MAT SEC  LC  NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
    
```

```

1969  3  4 env SL~1 MAX Cent 5625323.5 -489507.4 274844.2 5631518.9 -522266.4 1.81
    
```

```

4364 5625323.5 -509037.0 274844.2 5631481.7 -541524.7 1.80
4356 5625323.5 -469977.7 274844.2 5631556.4 -503012.6 1.82
4256 5625323.5 -469977.7 274844.2 5631556.4 -503012.6 1.82
4264 5625323.5 -509037.0 274844.2 5631481.7 -541524.7 1.80
    
```

```

MIN Cent -1363302.7 -659451.3 -263698.1 -646504.1 -1377386.7 82.35
    
```

```

4364 -1363302.7 -688359.2 -263698.1 -641846.3 -1377301.8 82.39
4356 -1363302.7 -664192.6 -263698.1 -651160.8 -1377472.5 82.30
4256 -1363302.7 -664192.6 -263698.1 -651160.8 -1377472.5 82.30
4264 -1363302.7 -688359.2 -263698.1 -641846.3 -1377301.8 82.39
    
```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
    
```

```

MAX Cent 37412.3 187061.5 -1079.8 187264.5 37209.3 -87.89
    
```

```

4364 31382.4 156912.2 -870.7 157127.9 31166.6 -87.63
4356 29665.9 148329.5 -870.7 148557.7 29437.7 -87.49
4256 43214.2 216070.8 -1291.2 216267.4 43017.5 -88.07
4264 45386.7 226933.6 -1291.2 227120.8 45199.5 -88.16
    
```

```

MIN Cent 19875.3 99376.3 -5515.2 99590.3 19661.3 -87.03
    
```

```

4364 18131.2 90655.8 -5218.2 90871.0 17915.9 -86.89
4356 17071.6 85357.8 -5218.2 85586.4 16843.1 -86.69
4256 21599.1 107995.5 -5833.5 108209.3 21385.3 -87.16
4264 22699.2 113496.2 -5833.5 113699.7 22495.7 -87.29
    
```

```

NODE   Vxx   Vyy
    
```

```

MAX Cent  -0.0 -39261.6
    
```

```

4364   0.0 -39436.7
4356   0.0 -39086.6
    
```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

4256 0.0 -39086.6
4264 0.0 -39436.7
MIN Cent -0.0 -118931.8
4364 0.0 -120900.3
4356 0.0 -116963.4
4256 -0.0 -116963.4
4264 -0.0 -120900.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1970	3	4	env SL~1	MAX Cent	5624568.9	-502004.6	410685.4	5637634.9	-527131.6	2.63
				4356	5624568.9	-472895.1	410685.4	5637722.6	-503924.4	2.64
				4348	5624568.9	-525467.0	410685.4	5637548.4	-550343.8	2.61
				4248	5624568.9	-525467.0	410685.4	5637548.4	-550343.8	2.61
				4256	5624568.9	-472895.1	410685.4	5637722.6	-503924.4	2.64
				MIN Cent	-1369220.5	-689040.3	-240831.7	-667255.0	-1392327.3	80.15
				4356	-1369220.5	-665351.9	-240831.7	-644829.0	-1391466.8	80.44
				4348	-1369220.5	-717106.0	-240831.7	-693071.7	-1393254.7	79.32
				4248	-1369220.5	-717106.0	-240831.7	-693071.7	-1393254.7	79.32
				4256	-1369220.5	-665351.9	-240831.7	-644829.0	-1391466.8	80.44

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	35338.5	176692.7	-1320.2	176929.1	35102.1	-87.66
4356	29665.9	148329.5	-982.3	148566.9	29428.5	-87.44
4348	27922.9	139614.4	-982.3	139866.6	27670.7	-87.28
4248	40551.2	202755.9	-1679.9	202999.7	40307.5	-87.78
4256	43214.2	216070.8	-1679.9	216299.5	42985.4	-87.92
MIN Cent	18623.9	93119.3	-5785.8	93369.2	18373.9	-86.69
4356	17071.6	85357.8	-5313.4	85593.0	16836.4	-86.65
4348	15873.2	79366.2	-5313.4	79619.0	15620.4	-86.40
4248	19951.5	99757.6	-6292.2	100027.2	19681.9	-86.68
4256	21599.1	107995.5	-6292.2	108244.7	21349.9	-86.93

NODE	Vxx	Vyy
MAX Cent	-0.0	-37147.3
4356	0.0	-39086.6
4348	0.0	-35208.1
4248	0.0	-35208.1
4256	0.0	-39086.6
MIN Cent	-0.0	-112992.3
4356	-0.0	-116963.4
4348	-0.0	-109021.3
4248	-0.0	-109021.3
4256	-0.0	-116963.4

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1971	3	4	env SL~1	MAX Cent	5571610.0	-623449.7	423935.0	5598852.5	-627421.5	3.72
				4348	5571610.0	-530324.8	423935.0	5599803.3	-534457.7	3.85
				4340	5571610.0	-704209.7	423935.0	5597963.0	-704341.2	3.60
				4240	5571610.0	-704209.7	423935.0	5597963.0	-704341.2	3.60
				4248	5571610.0	-530324.8	423935.0	5599803.3	-534457.7	3.85
				MIN Cent	-1390219.1	-926579.2	-97313.4	-791605.1	-1392647.2	-86.36
				4348	-1390219.1	-721305.7	-97313.4	-719139.7	-1392385.0	-86.75
				4340	-1390219.1	-1154120.3	-97313.4	-863998.6	-1392981.3	-85.86
				4240	-1390219.1	-1154120.3	-97313.4	-863998.6	-1392981.3	-85.86
				4248	-1390219.1	-721305.7	-97313.4	-719139.7	-1392385.0	-86.75
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	32765.1	163825.6	-1158.5	164063.3	32527.4	-87.56
				4348	27922.9	139614.4	-908.5	139858.4	27678.9	-87.33
				4340	25408.2	127041.1	-908.5	127309.0	25140.2	-87.06
				4240	37178.2	185890.9	-1417.2	186129.9	36939.2	-87.71
				4248	40551.2	202755.9	-1417.2	202975.1	40332.1	-87.90
				MIN Cent	17034.8	85173.9	-5586.8	85428.7	16780.1	-86.51
				4348	15873.2	79366.2	-5225.7	79611.7	15627.8	-86.45
				4340	14229.3	71146.3	-5225.7	71419.8	13955.7	-86.04
				4240	18085.1	90425.7	-5965.8	90692.0	17818.9	-86.53
				4248	19951.5	99757.6	-5965.8	99999.1	19710.0	-86.86
				NODE	Vxx	Vyy				
				MAX Cent	0.0	-34114.4				
				4348	0.0	-35208.1				
				4340	0.0	-32204.6				
				4240	0.0	-32204.6				
				4248	0.0	-35208.1				
				MIN Cent	-0.0	-105316.3				
				4348	-0.0	-109021.3				
				4340	-0.0	-101611.3				
				4240	-0.0	-101611.3				
				4248	-0.0	-109021.3				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1972	3	4	env SL~1	MAX Cent	5515669.4	-771695.4	367456.6	5535157.5	-773058.0	3.14
				4340	5515669.4	-708449.3	367456.6	5535315.8	-723894.4	3.17
				4332	5515669.4	-820886.3	367456.6	5535001.6	-822222.7	3.12
				4232	5515669.4	-820886.3	367456.6	5535001.6	-822222.7	3.12
				4240	5515669.4	-708449.3	367456.6	5535315.8	-723894.4	3.17
				MIN Cent	-1427837.1	-1228708.0	-58368.1	-964204.6	-1451342.5	78.88
				4340	-1427837.1	-1166205.5	-58368.1	-859662.7	-1447056.6	80.89

AUTOSTRADA VALDASTICO A31 NORD
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4332 -1427837.1 -1291210.4 -58368.1 -1066942.6 -1457651.9 75.83
 4232 -1427837.1 -1291210.4 -58368.1 -1066942.6 -1457651.9 75.83
 4240 -1427837.1 -1166205.5 -58368.1 -859662.7 -1447056.6 80.89

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 30184.0 150920.0 -1195.0 151176.1 29927.8 -87.37
 4340 25408.2 127041.1 -919.8 127308.4 25140.9 -87.07
 4332 23496.1 117480.4 -919.8 117769.3 23207.1 -86.83
 4232 34653.5 173267.5 -1481.8 173520.8 34400.1 -87.55
 4240 37178.2 185890.9 -1481.8 186127.1 36942.0 -87.72
 MIN Cent 15485.6 77427.8 -5567.1 77710.1 15203.3 -86.15
 4340 14229.3 71146.3 -5245.5 71423.0 13952.5 -86.02
 4332 12998.9 64994.5 -5245.5 65297.2 12696.3 -85.65
 4232 16629.0 83144.9 -5931.4 83435.9 16337.9 -86.22
 4240 18085.1 90425.7 -5931.4 90693.5 17817.3 -86.52

NODE Vxx Vyy

MAX Cent -0.0 -30323.3
 4340 -0.0 -32204.6
 4332 -0.0 -28442.0
 4232 0.0 -28442.0
 4240 0.0 -32204.6
 MIN Cent -0.0 -98967.2
 4340 -0.0 -101611.3
 4332 -0.0 -96323.1
 4232 0.0 -96323.1
 4240 0.0 -101611.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1973 3 4 env SL~1 MAX Cent 5487055.4 -871310.1 277282.4 5492472.3 -873511.4 1.69
 4332 5487055.4 -824870.9 277282.4 5492546.3 -827112.5 1.71
 4324 5487055.4 -917749.3 277282.4 5492400.1 -919911.7 1.67
 4224 5487055.4 -917749.3 277282.4 5492400.1 -919911.7 1.67
 4232 5487055.4 -824870.9 277282.4 5492546.3 -827112.5 1.71
 MIN Cent -1466888.8 -1389299.7 -75372.0 -1130025.4 -1515468.1 69.45
 4332 -1466888.8 -1297634.1 -75372.0 -1058691.8 -1507101.7 72.81
 4324 -1466888.8 -1480965.2 -75372.0 -1197723.9 -1527049.8 64.86
 4224 -1466888.8 -1480965.2 -75372.0 -1197723.9 -1527049.8 64.86
 4232 -1466888.8 -1297634.1 -75372.0 -1058691.8 -1507101.7 72.81

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 27931.5 139657.4 -1216.0 139935.2 27653.7 -87.15
 4332 23496.1 117480.4 -927.3 117769.3 23207.1 -86.83
 4324 21532.0 107659.8 -927.3 107974.9 21216.8 -86.54

AUTOSTRADA VALDASTICO A31 NORD
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```

4224 32044.4 160222.0 -1518.0 160498.0 31768.5 -87.35
4232 34653.5 173267.5 -1518.0 173522.7 34398.3 -87.55
MIN Cent 14123.2 70616.1 -5577.8 70926.5 13812.9 -85.77
4332 12998.9 64994.5 -5248.9 65297.5 12696.0 -85.65
4324 11742.1 58710.5 -5248.9 59045.4 11389.0 -85.19
4224 15122.9 75614.5 -5953.6 75936.3 14801.1 -85.84
4232 16629.0 83144.9 -5953.6 83437.8 16336.0 -86.21

```

NODE Vxx Vyy

```

-----
MAX Cent 0.0 -26485.4
4332 0.0 -28442.0
4324 0.0 -24528.8
4224 0.0 -24528.8
4232 0.0 -28442.0
MIN Cent -0.0 -93539.0
4332 -0.0 -96323.1
4324 -0.0 -90755.0
4224 -0.0 -90755.0
4232 -0.0 -96323.1

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
1974 3 4 env SL~1 MAX Cent 5471518.6 -891018.1 295682.3 5471905.8 -894572.0 -0.43
4324 5471518.6 -918537.6 295682.3 5471905.3 -922054.3 -0.43
4316 5471518.6 -863498.6 295682.3 5471906.4 -867090.5 -0.43
4216 5471518.6 -863498.6 295682.3 5471906.4 -867090.5 -0.43
4224 5471518.6 -918537.6 295682.3 5471905.3 -922054.3 -0.43
MIN Cent -1477826.6 -1471560.6 -96086.7 -1174787.4 -1535110.3 66.50
4324 -1477826.6 -1484255.6 -96086.7 -1197298.5 -1539707.0 64.84
4316 -1477826.6 -1458865.5 -96086.7 -1151729.8 -1531059.9 68.00
4216 -1477826.6 -1458865.5 -96086.7 -1151729.8 -1531059.9 68.00
4224 -1477826.6 -1484255.6 -96086.7 -1197298.5 -1539707.0 64.84

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 25842.9 129214.3 -1089.4 129512.9 25544.4 -86.93
4324 21532.0 107659.8 -880.6 107980.7 21211.0 -86.51
4316 19941.5 99707.5 -880.6 100053.9 19595.2 -86.24
4216 29853.6 149268.1 -1301.2 149556.4 29565.3 -87.19
4224 32044.4 160222.0 -1301.2 160490.7 31775.7 -87.38
MIN Cent 12936.2 64681.2 -5563.0 65012.7 12604.8 -85.44
4324 11742.1 58710.5 -5277.5 59048.2 11385.0 -85.17
4316 10755.9 53779.3 -5277.5 54291.2 10243.9 -83.81
4216 14072.2 70360.9 -5874.6 70689.9 13743.2 -85.64
4224 15122.9 75614.5 -5874.6 75920.9 14816.6 -85.94

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  0.0 -24184.8
  4324  -0.0 -24528.8
  4316  -0.0 -23840.8
  4216   0.0 -23840.8
  4224   0.0 -24528.8
MIN Cent  0.0 -88163.6
  4324  -0.0 -90755.0
  4316  -0.0 -85572.2
  4216   0.0 -85572.2
  4224   0.0 -90755.0

```

```

ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
1975   3    4 env SL~1 MAX Cent 5543098.5 -693962.1 457440.7 5550177.9 -694079.0 -1.89
      4316 5543098.5 -855616.4 457440.7 5549831.4 -855726.0 -1.80
      4308 5543098.5 -532307.9 457440.7 5550561.5 -532433.1 -1.99
      4208 5543098.5 -532307.9 457440.7 5550561.5 -532433.1 -1.99
      4216 5543098.5 -855616.4 457440.7 5549831.4 -855726.0 -1.80
MIN Cent -1433265.1 -1089586.7 -216678.4 -926540.2 -1521388.6 68.00
      4316 -1433265.1 -1443586.5 -216678.4 -1078045.2 -1552888.4 60.04
      4308 -1433265.1 -822476.1 -216678.4 -760197.2 -1500917.5 73.08
      4208 -1433265.1 -822476.1 -216678.4 -760197.2 -1500917.5 73.08
      4216 -1433265.1 -1443586.5 -216678.4 -1078045.2 -1552888.4 60.04

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent 23886.4 119432.0 -1041.3 119737.9 23580.5 -86.77
  4316 19941.5 99707.5 -854.9 100031.3 19617.7 -86.36
  4308 17995.6 89978.2 -854.9 90336.6 17637.2 -85.97
  4208 27754.9 138774.4 -1227.1 139070.6 27458.7 -87.05
  4216 29853.6 149268.1 -1227.1 149543.5 29578.2 -87.25
MIN Cent 11953.2 59766.1 -5414.8 60097.9 11621.4 -85.25
  4316 10755.9 53779.3 -5092.1 54253.5 10281.6 -84.04
  4308 9381.0 46904.8 -5092.1 47446.8 8839.0 -83.20
  4208 13279.1 66395.3 -5741.5 66717.3 12957.1 -85.56
  4216 14072.2 70360.9 -5741.5 70665.0 13768.1 -85.81

```

```

NODE   Vxx   Vyy
-----

```

```

-----
MAX Cent  0.0 -24198.3
  4316  -0.0 -23840.8
  4308  -0.0 -24555.9
  4208   0.0 -24555.9
  4216   0.0 -23840.8
MIN Cent -0.0 -84912.4
  4316  -0.0 -85572.2
  4308  -0.0 -84252.5
  4208  -0.0 -84252.5

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4216 -0.0 -85572.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1976	3	4	env SL~1	MAX Cent 5651682.0	-474650.6	214626.2	214626.2	5659141.0	-474676.1	2.00
				4296 5651682.0	-283731.2	214626.2	5659383.5	-291432.8	2.06	
				4288 5651682.0	-560283.5	214626.2	5658913.4	-560308.1	1.94	
				4188 5651682.0	-560283.5	214626.2	5658913.4	-560308.1	1.94	
				4196 5651682.0	-283731.2	214626.2	5659383.5	-291432.8	2.06	
				MIN Cent -1372517.2	-705524.0	-70753.4	-698596.0	-1379495.8	-84.21	
				4296 -1372517.2	-759975.5	-70753.4	-752445.9	-1380105.8	-83.71	
				4288 -1372517.2	-709359.8	-70753.4	-644657.9	-1378974.5	-84.64	
				4188 -1372517.2	-709359.8	-70753.4	-644657.9	-1378974.5	-84.64	
				4196 -1372517.2	-759975.5	-70753.4	-752445.9	-1380105.8	-83.71	

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	63166.4	315831.9	-1953.0	316006.1	62992.2	-88.50
4296	54552.5	272762.6	-1744.7	272945.0	54370.1	-88.34
4288	52182.8	260914.2	-1744.7	261104.8	51992.2	-88.27
4188	72200.4	361001.9	-2155.7	361168.4	72033.8	-88.62
4196	73729.8	368649.1	-2155.7	368812.2	73566.7	-88.65
MIN Cent	30644.4	153221.9	-6635.5	153398.3	30468.0	-87.83
4296	27440.5	137202.7	-6311.2	137385.7	27257.6	-87.66
4288	26100.8	130504.2	-6311.2	130696.5	25908.5	-87.54
4188	34202.5	171012.3	-6937.3	171180.6	34034.1	-87.99
4196	34833.7	174168.4	-6937.3	174333.7	34668.4	-88.03

NODE Vxx Vyy

MAX Cent	0.0	-66883.9
4296	0.0	-63825.7
4288	0.0	-69942.0
4188	0.0	-69942.0
4196	0.0	-63825.7
MIN Cent	-0.0	-169186.4
4296	-0.0	-165559.5
4288	-0.0	-172813.3
4188	0.0	-172813.3
4196	0.0	-165559.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1977	3	4	env SL~1	MAX Cent 5612307.2	-548904.0	239700.0	5621428.4	-551624.5	2.18	
				4288 5612307.2	-563253.7	239700.0	5621421.8	-565957.5	2.18	
				4280 5612307.2	-534554.3	239700.0	5621434.9	-537291.7	2.18	
				4180 5612307.2	-534554.3	239700.0	5621434.9	-537291.7	2.18	

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4188 5612307.2 -563253.7 239700.0 5621421.8 -565957.5 2.18
MIN Cent -1358152.4 -712153.2 -79503.1 -630433.5 -1361834.4 -86.17
4288 -1358152.4 -717191.8 -79503.1 -644867.2 -1361908.3 -86.09
4280 -1358152.4 -707209.1 -79503.1 -615997.4 -1361763.4 -86.24
4180 -1358152.4 -707209.1 -79503.1 -615997.4 -1361763.4 -86.24
4188 -1358152.4 -717191.8 -79503.1 -644867.2 -1361908.3 -86.09

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 60871.8 304358.8 -2104.5 304568.2 60662.4 -88.32
4288 52182.8 260914.2 -1843.0 261130.9 51966.1 -88.16
4280 49889.7 249448.3 -1843.0 249674.9 49663.0 -88.07
4180 69214.2 346070.8 -2372.8 346278.0 69007.0 -88.43
4188 72200.4 361001.9 -2372.8 361200.5 72001.7 -88.50
MIN Cent 29524.2 147620.9 -7143.4 147829.0 29316.1 -87.60
4288 26100.8 130504.2 -6728.8 130721.1 25884.0 -87.39
4280 24957.9 124789.6 -6728.8 125016.3 24731.2 -87.27
4180 32835.5 164177.7 -7576.5 164380.6 32632.6 -87.75
4188 34202.5 171012.3 -7576.5 171207.1 34007.6 -87.84

```

```

NODE Vxx Vyy
-----
MAX Cent -0.0 -68975.1
4288 -0.0 -69942.0
4280 -0.0 -68008.2
4180 0.0 -68008.2
4188 0.0 -69942.0
MIN Cent -0.0 -169821.8
4288 -0.0 -172813.3
4280 -0.0 -166830.3
4180 0.0 -166830.3
4188 0.0 -172813.3

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1978 3 4 env SL~1 MAX Cent 5616838.5 -522560.9 172035.8 5621548.8 -531749.4 1.57
4280 5616838.5 -533500.6 172035.8 5621535.9 -541613.5 1.57
4272 5616838.5 -511621.3 172035.8 5621561.7 -521885.4 1.57
4172 5616838.5 -511621.3 172035.8 5621561.7 -521885.4 1.57
4180 5616838.5 -533500.6 172035.8 5621535.9 -541613.5 1.57
MIN Cent -1356406.8 -689752.5 -179831.1 -624962.6 -1356415.8 -89.80
4280 -1356406.8 -706313.5 -179831.1 -618937.0 -1356415.7 -89.80
4272 -1356406.8 -673191.4 -179831.1 -630988.1 -1356415.9 -89.80
4172 -1356406.8 -673191.4 -179831.1 -630988.1 -1356415.9 -89.80
4180 -1356406.8 -706313.5 -179831.1 -618937.0 -1356415.7 -89.80

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 58358.4 291792.1 -2019.7 292002.5 58148.1 -88.28
  4280 49889.7 249448.3 -1792.2 249668.4 49669.6 -88.10
  4272 47648.1 238240.3 -1792.2 238470.7 47417.7 -88.01
  4172 66681.8 333409.1 -2247.0 333614.0 66476.8 -88.41
  4180 69214.2 346070.8 -2247.0 346268.4 69016.7 -88.47
MIN Cent 28344.9 141724.5 -7010.1 141933.9 28135.6 -87.54
  4280 24957.9 124789.6 -6630.8 125010.2 24737.3 -87.31
  4272 23837.2 119185.8 -6630.8 119416.8 23606.2 -87.19
  4172 31749.0 158745.1 -7397.3 158945.8 31548.3 -87.73
  4180 32835.5 164177.7 -7397.3 164371.8 32641.4 -87.80

```

```

NODE   Vxx   Vyy
-----
MAX Cent  0.0 -68156.0
  4280   0.0 -68008.2
  4272   0.0 -68303.8
  4172  -0.0 -68303.8
  4180  -0.0 -68008.2
MIN Cent  0.0 -165575.2
  4280   0.0 -166830.3
  4272   0.0 -164320.1
  4172  -0.0 -164320.1
  4180  -0.0 -166830.3

```

```

ELEM  MAT  SEC  LC  NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
1979   3    4  env SL~1 MAX Cent 5620714.4 -505738.1 167646.2 5625045.9 -526214.2 1.51
      4272 5620714.4 -510948.4 167646.2 5625044.9 -529560.5 1.51
      4264 5620714.4 -500527.8 167646.2 5625046.8 -522867.8 1.51
      4164 5620714.4 -500527.8 167646.2 5625046.8 -522867.8 1.51
      4172 5620714.4 -510948.4 167646.2 5625044.9 -529560.5 1.51
MIN Cent -1358863.6 -672585.1 -233790.9 -634170.0 -1362501.7 86.27
      4272 -1358863.6 -672504.7 -233790.9 -628427.0 -1362476.1 86.30
      4264 -1358863.6 -672665.5 -233790.9 -639912.6 -1362527.6 86.24
      4164 -1358863.6 -672665.5 -233790.9 -639912.6 -1362527.6 86.24
      4172 -1358863.6 -672504.7 -233790.9 -628427.0 -1362476.1 86.30

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent 55932.3 279661.6 -2039.9 279883.1 55710.9 -88.20
  4272 47648.1 238240.3 -1802.9 238472.2 47416.2 -88.00
  4264 45376.6 226883.1 -1802.9 227126.5 45133.2 -87.90
  4164 64022.8 320114.0 -2278.3 320330.1 63806.6 -88.34
  4172 66681.8 333409.1 -2278.3 333616.6 66474.3 -88.40
MIN Cent 27210.2 136050.9 -7042.2 136271.2 26989.9 -87.43
  4272 23837.2 119185.8 -6651.6 119418.4 23604.6 -87.18
  4264 22692.1 113460.6 -6651.6 113704.9 22447.9 -87.03
  4164 30562.4 152812.0 -7443.2 153023.5 30350.9 -87.62
  4172 31749.0 158745.1 -7443.2 158948.7 31545.4 -87.71

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	-68124.3
4272	-0.0	-68303.8
4264	-0.0	-67944.8
4164	0.0	-67944.8
4172	0.0	-68303.8
MIN Cent	-0.0	-162647.2
4272	-0.0	-164320.1
4264	-0.0	-160974.2
4164	0.0	-160974.2
4172	0.0	-164320.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1980	3	4	env SL~1	MAX Cent	5627346.9	-481844.9	271373.1	5633372.2	-509796.0	1.79
				4264	5627346.9	-499572.0	271373.1	5633342.0	-527311.5	1.78
				4256	5627346.9	-464117.7	271373.1	5633402.6	-492283.8	1.80
				4156	5627346.9	-464117.7	271373.1	5633402.6	-492283.8	1.80
				4164	5627346.9	-499572.0	271373.1	5633342.0	-527311.5	1.78
				MIN Cent	-1360390.5	-644890.5	-253272.8	-633727.9	-1372474.7	82.93
				4264	-1360390.5	-671423.8	-253272.8	-632189.4	-1372462.1	82.95
				4256	-1360390.5	-646452.5	-253272.8	-635266.2	-1372487.3	82.92
				4156	-1360390.5	-646452.5	-253272.8	-635266.2	-1372487.3	82.92
				4164	-1360390.5	-671423.8	-253272.8	-632189.4	-1372462.1	82.95

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	53595.1	267975.3	-1985.4	268201.6	53368.8	-88.14
4264	45376.6	226883.1	-1781.7	227123.9	45135.8	-87.92
4256	43250.1	216250.3	-1781.7	216502.9	42997.4	-87.81
4156	61730.8	308654.0	-2186.3	308871.1	61513.7	-88.30
4164	64022.8	320114.0	-2186.3	320323.4	63813.4	-88.36
MIN Cent	26116.2	130581.2	-6968.6	130806.6	25890.8	-87.34
4264	22692.1	113460.6	-6616.1	113702.6	22450.2	-87.05
4256	21625.4	108126.9	-6616.1	108380.7	21371.5	-86.90
4156	29585.0	147925.2	-7325.6	148137.9	29372.4	-87.57
4164	30562.4	152812.0	-7325.6	153017.9	30356.5	-87.65

NODE	Vxx	Vyy

MAX Cent	-0.0	-68330.7
4264	0.0	-67944.8
4256	0.0	-68716.6
4156	0.0	-68716.6
4164	0.0	-67944.8
MIN Cent	-0.0	-160260.1

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4264 -0.0 -160974.2
4256 -0.0 -159545.9
4156 -0.0 -159545.9
4164 -0.0 -160974.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1981	3	4	env SL~1	MAX Cent	5623817.6	-493942.3	385437.5	5635476.2	-518533.3	2.49
				4256	5623817.6	-464601.6	385437.5	5635568.2	-489506.7	2.51
				4248	5623817.6	-523283.0	385437.5	5635385.7	-547567.6	2.47
				4148	5623817.6	-523283.0	385437.5	5635385.7	-547567.6	2.47
				4156	5623817.6	-464601.6	385437.5	5635568.2	-489506.7	2.51
				MIN Cent	-1366810.9	-676992.1	-237888.7	-659414.4	-1385692.1	81.06
				4256	-1366810.9	-647733.1	-237888.7	-630919.7	-1384843.2	81.40
				4248	-1366810.9	-711202.7	-237888.7	-691391.2	-1386622.4	80.28
				4148	-1366810.9	-711202.7	-237888.7	-691391.2	-1386622.4	80.28
				4156	-1366810.9	-647733.1	-237888.7	-630919.7	-1384843.2	81.40

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	50635.9	253179.3	-2694.6	253480.4	50334.7	-87.79
4256	43250.1	216250.3	-2132.5	216535.3	42965.0	-87.68
4248	40524.9	202624.3	-2132.5	202928.4	40220.7	-87.52
4148	57037.7	285188.5	-3311.2	285518.0	56708.2	-87.83
4156	61730.8	308654.0	-3311.2	308958.4	61426.3	-87.99
MIN Cent	24426.0	122130.2	-7815.7	122438.7	24117.6	-86.79
4256	21625.4	108126.9	-7028.2	108414.8	21337.4	-86.70
4248	19933.7	99668.3	-7028.2	99980.6	19621.4	-86.43
4148	26560.1	132800.5	-8676.1	133143.6	26217.0	-86.75
4156	29585.0	147925.2	-8676.1	148233.4	29276.8	-87.08

NODE Vxx Vyy

MAX Cent	0.0	-62961.6
4256	0.0	-68716.6
4248	0.0	-57206.6
4148	-0.0	-57206.6
4156	-0.0	-68716.6
MIN Cent	-0.0	-151051.5
4256	0.0	-159545.9
4248	-0.0	-142557.0
4148	-0.0	-142557.0
4156	-0.0	-159545.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1982 3 4 env SL~1 MAX Cent 5573698.7 -616314.3 395923.6 5597679.7 -620432.7 3.49

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4248 5573698.7 -528177.9 395923.6 5598431.0 -532454.4 3.59
4240 5573698.7 -704450.7 395923.6 5596972.5 -706441.8 3.38
4140 5573698.7 -704450.7 395923.6 5596972.5 -706441.8 3.38
4148 5573698.7 -528177.9 395923.6 5598431.0 -532454.4 3.59
MIN Cent -1389956.4 -915130.0 -98977.1 -788226.2 -1394450.0 -85.06
4248 -1389956.4 -715831.8 -98977.1 -711844.4 -1393943.8 -85.62
4240 -1389956.4 -1122162.3 -98977.1 -865028.7 -1395101.9 -86.45
4140 -1389956.4 -1122162.3 -98977.1 -865028.7 -1395101.9 -86.45
4148 -1389956.4 -715831.8 -98977.1 -711844.4 -1393943.8 -85.62

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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MAX Cent 46818.6 234093.2 -2210.8 234370.8 46541.0 -87.80
4248 40524.9 202624.3 -1895.8 202903.5 40245.6 -87.63
4240 37181.2 185906.0 -1895.8 186210.3 36876.9 -87.41
4140 52530.8 262654.1 -2541.1 262937.4 52247.5 -87.90
4148 57037.7 285188.5 -2541.1 285449.5 56776.7 -88.06
MIN Cent 22180.2 110901.1 -7215.5 111186.2 21895.1 -86.76
4248 19933.7 99668.3 -6734.3 99953.3 19648.7 -86.58
4240 18088.8 90443.9 -6734.3 90757.7 17775.0 -86.24
4140 24138.4 120691.9 -7721.1 120983.2 23847.1 -86.86
4148 26560.1 132800.5 -7721.1 133065.4 26295.2 -87.15

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NODE Vxx Vyy

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MAX Cent 0.0 -54716.6
4248 -0.0 -57206.6
4240 -0.0 -52226.6
4140 0.0 -52226.6
4148 0.0 -57206.6
MIN Cent 0.0 -137535.9
4248 -0.0 -142557.0
4240 -0.0 -132514.7
4140 0.0 -132514.7
4148 0.0 -142557.0

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

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1983 3 4 env SL~1 MAX Cent 5523563.0 -754982.8 354743.2 5541765.4 -756281.8 2.99
4240 5523563.0 -709445.0 354743.2 5541892.0 -711320.4 3.01
4232 5523563.0 -799968.1 354743.2 5541640.5 -801244.1 2.97
4132 5523563.0 -799968.1 354743.2 5541640.5 -801244.1 2.97
4140 5523563.0 -709445.0 354743.2 5541892.0 -711320.4 3.01
MIN Cent -1426649.2 -1189424.8 -56838.0 -965181.2 -1442185.3 81.22
4240 -1426649.2 -1133134.1 -56838.0 -867859.8 -1439416.0 82.73
4232 -1426649.2 -1245715.5 -56838.0 -1061516.0 -1446169.0 78.96
4132 -1426649.2 -1245715.5 -56838.0 -1061516.0 -1446169.0 78.96
4140 -1426649.2 -1133134.1 -56838.0 -867859.8 -1439416.0 82.73

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	43416.2	217080.8	-2332.9	217375.1	43121.8	-87.64
4240	37181.2	185906.0	-1953.5	186207.5	36879.7	-87.42
4232	34666.6	173332.9	-1953.5	173656.2	34343.3	-87.24
4132	49286.0	246430.0	-2737.5	246724.7	48991.3	-87.79
4140	52530.8	262654.1	-2737.5	262930.6	52254.3	-87.92
MIN Cent	20262.2	101311.1	-7155.7	101625.1	19948.2	-86.45
4240	18088.8	90443.9	-6703.1	90759.4	17773.3	-86.23
4232	16638.1	83190.4	-6703.1	83533.1	16295.4	-85.91
4132	22183.7	110918.3	-7627.8	111237.9	21864.1	-86.57
4140	24138.4	120691.9	-7627.8	120985.7	23844.5	-86.85

NODE	Vxx	Vyy

MAX Cent	0.0	-50051.1
4240	0.0	-52226.6
4232	0.0	-47875.5
4132	0.0	-47875.5
4140	0.0	-52226.6
MIN Cent	-0.0	-129362.8
4240	-0.0	-132514.7
4232	-0.0	-126210.8
4132	0.0	-126210.8
4140	0.0	-132514.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1984	3	4	env SL~1	MAX Cent	5497904.7	-848785.1	262855.2	5502389.3	-850902.5	1.48
				4232	5497904.7	-803720.2	262855.2	5502441.2	-805875.5	1.50
				4224	5497904.7	-893850.0	262855.2	5502338.6	-895930.9	1.46
				4124	5497904.7	-893850.0	262855.2	5502338.6	-895930.9	1.46
				4132	5497904.7	-803720.2	262855.2	5502441.2	-805875.5	1.50
				MIN Cent	-1463122.2	-1336002.3	-73663.1	-1123053.1	-1499409.7	72.10
				4232	-1463122.2	-1251578.6	-73663.1	-1053264.7	-1493167.0	74.99
				4224	-1463122.2	-1420426.0	-73663.1	-1190159.1	-1508040.8	68.08
				4124	-1463122.2	-1420426.0	-73663.1	-1190159.1	-1508040.8	68.08
				4132	-1463122.2	-1251578.6	-73663.1	-1053264.7	-1493167.0	74.99

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	40416.1	202080.4	-2402.9	202401.4	40095.1	-87.45
4232	34666.6	173332.9	-1985.7	173658.0	34341.5	-87.23
4224	31994.2	159971.2	-1985.7	160323.3	31642.2	-87.00
4124	45717.5	228587.5	-2850.9	228913.2	45391.9	-87.59
4132	49286.0	246430.0	-2850.9	246732.2	48983.9	-87.76
MIN Cent	18482.3	92411.3	-7210.7	92760.1	18133.5	-86.08
4232	16638.1	83190.4	-6721.7	83534.8	16293.7	-85.90

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4224	15086.2	75431.2	-6721.7	75810.6	14706.8	-85.48
4124	20021.1	100105.4	-7723.7	100467.4	19659.1	-86.16
4132	22183.7	110918.3	-7723.7	111245.3	21856.7	-86.53

NODE Vxx Vyy

MAX Cent 0.0 -44481.6

4232	0.0	-47875.5
4224	0.0	-39942.8
4124	0.0	-39942.8
4132	0.0	-47875.5

MIN Cent -0.0 -122342.5

4232	-0.0	-126210.8
4224	-0.0	-118474.2
4124	0.0	-118474.2
4132	0.0	-126210.8

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1985 3 4 env SL~1 MAX Cent 5482635.0 -877364.0 293415.9 5483308.2 -880173.2 -0.59

4224	5482635.0	-894993.2	293415.9	5483307.8	-897783.3	-0.59
4216	5482635.0	-859734.9	293415.9	5483308.5	-862563.3	-0.59
4116	5482635.0	-859734.9	293415.9	5483308.5	-862563.3	-0.59
4124	5482635.0	-894993.2	293415.9	5483307.8	-897783.3	-0.59

MIN Cent -1475775.5 -1417184.0 -85236.1 -1168112.0 -1529478.8 67.33

4224	-1475775.5	-1423673.3	-85236.1	-1180882.6	-1531804.5	66.45
4216	-1475775.5	-1410694.6	-85236.1	-1155181.7	-1527312.8	68.15
4116	-1475775.5	-1410694.6	-85236.1	-1155181.7	-1527312.8	68.15
4124	-1475775.5	-1423673.3	-85236.1	-1180882.6	-1531804.5	66.45

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 37811.5 189057.5 -1996.0 189380.0 37489.0 -87.36

4224	31994.2	159971.2	-1791.6	160316.8	31648.7	-87.03
4216	30022.7	150113.4	-1791.6	150481.5	29654.5	-86.84
4116	43511.6	217558.0	-2198.2	217866.1	43203.4	-87.59
4124	45717.5	228587.5	-2198.2	228880.9	45424.2	-87.71

MIN Cent 17136.7 85683.7 -6991.4 86024.2 16796.2 -85.98

4224	15086.2	75431.2	-6659.2	75796.3	14721.1	-85.57
4216	14186.0	70930.2	-6659.2	71318.2	13798.1	-85.29
4116	19253.6	96267.8	-7329.9	96587.9	18933.4	-86.32
4124	20021.1	100105.4	-7329.9	100413.4	19713.1	-86.46

NODE Vxx Vyy

MAX Cent 0.0 -40690.2

4224	0.0	-39942.8
4216	0.0	-41437.6

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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4116 -0.0 -41437.6
4124 -0.0 -39942.8
MIN Cent -0.0 -117462.7
4224 0.0 -118474.2
4216 0.0 -116451.2
4116 -0.0 -116451.2
4124 -0.0 -118474.2

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ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1986	3	4	env SL~1	MAX Cent	5545905.2	-701304.4	465819.8	5550866.6	-701362.4	-1.58
				4216	5545905.2	-852692.5	465819.8	5550649.2	-852747.1	-1.51
				4208	5545905.2	-549916.3	465819.8	5551104.7	-549978.1	-1.65
				4108	5545905.2	-549916.3	465819.8	5551104.7	-549978.1	-1.65
				4116	5545905.2	-852692.5	465819.8	5550649.2	-852747.1	-1.51
				MIN Cent	-1431620.4	-1076000.9	-180364.9	-905380.4	-1531924.2	66.91
				4216	-1431620.4	-1397047.3	-180364.9	-1061776.8	-1567731.7	58.76
				4208	-1431620.4	-804191.8	-180364.9	-732216.4	-1508863.5	72.21
				4108	-1431620.4	-804191.8	-180364.9	-732216.4	-1508863.5	72.21
				4116	-1431620.4	-1397047.3	-180364.9	-1061776.8	-1567731.7	58.76

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	35247.9	176239.7	-1914.1	176586.2	34901.4	-87.17
4216	30022.7	150113.4	-1720.2	150465.6	29670.4	-86.90
4208	27111.4	135557.2	-1720.2	135947.1	26721.6	-86.58
4108	40346.0	201730.2	-2099.4	202077.0	39999.2	-87.35
4116	43511.6	217558.0	-2099.4	217879.7	43189.9	-87.54
MIN Cent	16168.7	80843.3	-6998.1	81186.1	15825.8	-85.85
4216	14186.0	70930.2	-6513.6	71290.8	13825.5	-85.46
4208	12832.7	64163.6	-6513.6	64561.6	12434.7	-84.99
4108	18402.3	92011.6	-7489.3	92335.2	18078.7	-86.21
4116	19253.6	96267.8	-7489.3	96577.2	18944.1	-86.38

NODE	Vxx	Vyy
MAX Cent	0.0	-43027.0
4216	-0.0	-41437.6
4208	0.0	-44556.0
4108	-0.0	-44556.0
4116	0.0	-41437.6
MIN Cent	-0.0	-115353.3
4216	-0.0	-116451.2
4208	0.0	-114255.5
4108	-0.0	-114255.5
4116	0.0	-116451.2

AUTOSTRADA VALDASTICO A31 NORD
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ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1987	3	4	env SL~1	MAX Cent	5646540.3	-454507.6	185619.0	5652105.9	-454525.8	1.72
				4196	5646540.3	-367174.4	185619.0	5652231.2	-372865.3	1.76
				4188	5646540.3	-525098.9	185619.0	5651985.9	-525116.6	1.69
				4088	5646540.3	-525098.9	185619.0	5651985.9	-525116.6	1.69
				4096	5646540.3	-367174.4	185619.0	5652231.2	-372865.3	1.76
				MIN Cent	-1365976.0	-672817.8	-71596.8	-665937.5	-1372856.3	-84.34
				4196	-1365976.0	-701710.5	-71596.8	-694537.2	-1373149.3	-84.10
				4188	-1365976.0	-677841.3	-71596.8	-637315.0	-1372586.0	-84.56
				4088	-1365976.0	-677841.3	-71596.8	-637315.0	-1372586.0	-84.56
				4096	-1365976.0	-701710.5	-71596.8	-694537.2	-1373149.3	-84.10
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	87708.6	438543.0	-2905.7	438735.5	87516.1	-88.66
				4196	74475.6	372378.0	-2710.3	372590.9	74262.7	-88.47
				4188	72036.1	360180.5	-2710.3	360400.6	71816.0	-88.42
				4088	101979.1	509895.3	-3084.7	510068.9	101805.4	-88.82
				4096	102343.7	511718.3	-3084.7	511891.3	102170.7	-88.82
				MIN Cent	42521.7	212608.4	-8219.8	212778.0	42352.1	-88.19
				4196	35339.1	176695.6	-7967.0	176890.4	35144.3	-87.88
				4188	34087.3	170436.6	-7967.0	170638.5	33885.4	-87.80
				4088	50290.1	251450.4	-8417.2	251598.8	50141.7	-88.44
				4096	50370.2	251850.9	-8417.2	251999.1	50222.1	-88.45
				NODE	Vxx	Vyy				
				MAX Cent	0.0	-134822.3				
				4196	0.0	-129764.6				
				4188	0.0	-139880.1				
				4088	0.0	-139880.1				
				4096	0.0	-129764.6				
				MIN Cent	0.0	-249543.9				
				4196	0.0	-240587.6				
				4188	0.0	-258500.3				
				4088	0.0	-258500.3				
				4096	0.0	-240587.6				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1988	3	4	env SL~1	MAX Cent	5618947.5	-513432.8	233174.3	5627556.7	-515469.9	2.13
				4188	5618947.5	-527455.9	233174.3	5627552.1	-529480.7	2.13
				4180	5618947.5	-499409.6	233174.3	5627561.3	-501459.3	2.13
				4080	5618947.5	-499409.6	233174.3	5627561.3	-501459.3	2.13
				4088	5618947.5	-527455.9	233174.3	5627552.1	-529480.7	2.13
				MIN Cent	-1356283.0	-679326.4	-68365.3	-620498.8	-1360473.5	-85.86
				4188	-1356283.0	-683325.1	-68365.3	-638038.4	-1360576.9	-85.76

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4180 -1356283.0 -675327.6 -68365.3 -602954.9 -1360374.9 -85.96
 4080 -1356283.0 -675327.6 -68365.3 -602954.9 -1360374.9 -85.96
 4088 -1356283.0 -683325.1 -68365.3 -638038.4 -1360576.9 -85.76

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 85498.7 427493.3 -3211.9 427733.1 85258.9 -88.48
 4188 72036.1 360180.5 -2914.9 360435.7 71780.9 -88.30
 4180 69245.9 346229.5 -2914.9 346494.9 68980.4 -88.23
 4080 98733.6 493668.1 -3517.2 493898.8 98502.9 -88.62
 4088 101979.1 509895.3 -3517.2 510118.7 101755.7 -88.66
 MIN Cent 41535.7 207678.6 -9057.9 207881.8 41332.6 -88.00
 4188 34087.3 170436.6 -8579.5 170666.6 33857.3 -87.65
 4180 32858.3 164291.6 -8579.5 164530.3 32619.7 -87.56
 4080 48907.2 244535.8 -9548.6 244721.2 48721.8 -88.24
 4088 50290.1 251450.4 -9548.6 251630.7 50109.8 -88.29

NODE Vxx Vyy

MAX Cent 0.0 -139215.6
 4188 0.0 -139880.1
 4180 0.0 -138551.1
 4080 0.0 -138551.1
 4088 0.0 -139880.1
 MIN Cent -0.0 -256535.3
 4188 0.0 -258500.3
 4180 0.0 -254570.3
 4080 -0.0 -254570.3
 4088 -0.0 -258500.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

1989 3 4 env SL~1 MAX Cent 5621873.7 -492438.1 166831.8 5626320.9 -504987.3 1.53
 4180 5621873.7 -498569.9 166831.8 5626313.1 -511085.7 1.53
 4172 5621873.7 -486306.4 166831.8 5626328.7 -498889.1 1.53
 4072 5621873.7 -486306.4 166831.8 5626328.7 -498889.1 1.53
 4080 5621873.7 -498569.9 166831.8 5626313.1 -511085.7 1.53
 MIN Cent -1354058.2 -664224.6 -169449.4 -613097.4 -1354189.5 -89.24
 4180 -1354058.2 -674715.7 -169449.4 -606236.2 -1354188.2 -89.64
 4172 -1354058.2 -653981.1 -169449.4 -620306.1 -1354190.8 -89.23
 4072 -1354058.2 -653981.1 -169449.4 -620306.1 -1354190.8 -89.23
 4080 -1354058.2 -674715.7 -169449.4 -606236.2 -1354188.2 -89.64

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 82790.1 413950.4 -3004.6 414184.0 82556.4 -88.48
 4180 69245.9 346229.5 -2799.0 346484.6 68990.8 -88.26
 4172 66684.7 333423.5 -2799.0 333688.4 66419.8 -88.20

AUTOSTRADA VALDASTICO A31 NORD
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```

4072 96496.1 482480.4 -3201.8 482698.6 96277.8 -88.64
4080 98733.6 493668.1 -3201.8 493881.4 98520.3 -88.67
MIN Cent 40410.8 202054.0 -8799.9 202251.5 40213.3 -88.00
4180 32858.3 164291.6 -8410.4 164521.2 32628.7 -87.61
4172 31751.3 158756.6 -8410.4 158994.1 31513.7 -87.53
4072 48126.4 240631.9 -9180.8 240806.6 47951.7 -88.28
4080 48907.2 244535.8 -9180.8 244707.7 48735.3 -88.30

```

NODE Vxx Vyy

```

MAX Cent -0.0 -139959.3
4180 -0.0 -138551.1
4172 -0.0 -141367.5
4072 -0.0 -141367.5
4080 -0.0 -138551.1
MIN Cent -0.0 -255967.4
4180 -0.0 -254570.3
4172 -0.0 -257364.4
4072 -0.0 -257364.4
4080 -0.0 -254570.3

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

1990 3 4 env SL~1 MAX Cent 5624177.7 -482776.5 160777.8 5628161.0 -504689.0 1.45
4172 5624177.7 -485919.9 160777.8 5628161.0 -507802.7 1.45
4164 5624177.7 -479633.0 160777.8 5628161.1 -501575.4 1.45
4064 5624177.7 -479633.0 160777.8 5628161.1 -501575.4 1.45
4072 5624177.7 -485919.9 160777.8 5628161.0 -507802.7 1.45
MIN Cent -1356663.7 -655053.1 -223992.3 -624056.6 -1359304.2 86.86
4172 -1356663.7 -653614.3 -223992.3 -618776.1 -1359287.7 86.89
4164 -1356663.7 -656492.0 -223992.3 -629336.9 -1359320.8 86.84
4064 -1356663.7 -656492.0 -223992.3 -629336.9 -1359320.8 86.84
4072 -1356663.7 -653614.3 -223992.3 -618776.1 -1359287.7 86.89

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 80263.3 401316.3 -3066.8 401561.7 80017.8 -88.42
4172 66684.7 333423.5 -2826.9 333691.1 66417.1 -88.19
4164 63989.0 319945.1 -2826.9 320223.9 63710.2 -88.11
4064 93883.2 469416.1 -3303.2 469646.5 93652.8 -88.58
4072 96496.1 482480.4 -3303.2 482704.6 96271.9 -88.62
MIN Cent 39366.3 196831.4 -8879.7 197038.6 39159.0 -87.92
4172 31751.3 158756.6 -8452.4 158997.0 31510.9 -87.51
4164 30537.9 152689.5 -8452.4 152939.5 30288.0 -87.41
4064 47049.5 235247.4 -9304.8 235432.2 46864.8 -88.21
4072 48126.4 240631.9 -9304.8 240812.5 47945.8 -88.25

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent    0.0 -141956.8
  4172    0.0 -141367.5
  4164    0.0 -142546.1
  4064    0.0 -142546.1
  4072    0.0 -141367.5
MIN Cent    0.0 -257721.9
  4172    0.0 -257364.4
  4164    0.0 -258079.4
  4064   -0.0 -258079.4
  4072   -0.0 -257364.4

```

```

ELEM MAT SEC  LC  NODE  Fxx  Fyy  Fxy  Fmax  Fmin  ANGLE
-----
1991  3   4 env SL~1 MAX Cent 5629323.2 -464464.4 267200.8 5635086.9 -490138.8  1.76
      4164 5629323.2 -478900.6 267200.8 5635063.1 -504415.1  1.76
      4156 5629323.2 -450028.2 267200.8 5635110.8 -475864.4  1.77
      4056 5629323.2 -450028.2 267200.8 5635110.8 -475864.4  1.77
      4064 5629323.2 -478900.6 267200.8 5635063.1 -504415.1  1.76
MIN Cent -1357583.3 -631971.7 -241881.4 -621358.9 -1367778.9  83.52
      4164 -1357583.3 -655568.8 -241881.4 -622229.7 -1367809.7  83.51
      4156 -1357583.3 -629972.3 -241881.4 -620488.2 -1367748.3  83.53
      4056 -1357583.3 -629972.3 -241881.4 -620488.2 -1367748.3  83.53
      4064 -1357583.3 -655568.8 -241881.4 -622229.7 -1367809.7  83.51

```

```

      NODE  Mxx  Myy  Mxy  Mmax  Mmin  ANGLE
-----
MAX Cent  78062.1 390310.3 -2873.2 390549.1 77823.2 -88.42
      4164  63989.0 319945.1 -2746.1 320217.1 63717.0 -88.13
      4156  61837.2 309186.1 -2746.1 309467.5 61555.8 -88.07
      4056  92538.7 462693.7 -2981.2 462908.1 92324.4 -88.62
      4064  93883.2 469416.1 -2981.2 469627.3 93672.0 -88.64
MIN Cent  38500.2 192501.1 -8639.7 192702.5 38298.8 -87.93
      4164  30537.9 152689.5 -8348.2 152934.1 30293.4 -87.44
      4156  29665.5 148327.3 -8348.2 148579.0 29413.8 -87.37
      4056  46748.0 233740.1 -8909.6 233911.2 46576.9 -88.27
      4064  47049.5 235247.4 -8909.6 235417.5 46879.5 -88.28

```

```

      NODE  Vxx  Vyy
-----
MAX Cent    0.0 -145010.7
      4164    0.0 -142546.1
      4156    0.0 -147475.3
      4056    0.0 -147475.3
      4064    0.0 -142546.1
MIN Cent   -0.0 -261564.3
      4164   -0.0 -258079.4
      4156   -0.0 -265049.1
      4056   -0.0 -265049.1

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4064 -0.0 -258079.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1992	3	4	env SL~1	MAX Cent	5624715.7	-480300.7	355745.7	5634890.7	-504236.7	2.35
				4156	5624715.7	-450661.6	355745.7	5634972.0	-474908.1	2.36
				4148	5624715.7	-509939.9	355745.7	5634810.7	-533573.0	2.33
				4048	5624715.7	-509939.9	355745.7	5634810.7	-533573.0	2.33
				4056	5624715.7	-450661.6	355745.7	5634972.0	-474908.1	2.36
				MIN Cent	-1363416.6	-660020.7	-234107.9	-646230.0	-1377916.0	82.11
				4156	-1363416.6	-631139.0	-234107.9	-617872.8	-1377272.7	82.40
				4148	-1363416.6	-724254.5	-234107.9	-677248.6	-1378619.7	81.48
				4048	-1363416.6	-724254.5	-234107.9	-677248.6	-1378619.7	81.48
				4056	-1363416.6	-631139.0	-234107.9	-617872.8	-1377272.7	82.40

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	73558.7	367793.4	-4915.2	368211.0	73141.0	-87.84
4156	61837.2	309186.1	-3763.4	309555.7	61467.6	-87.79
4148	56963.5	284817.3	-3763.4	285218.5	56562.3	-87.60
4048	82895.3	414476.3	-6212.9	414969.2	82402.4	-87.79
4056	92538.7	462693.7	-6212.9	463135.4	92097.1	-88.02
MIN Cent	35711.2	178555.8	-11093.1	178942.2	35324.8	-87.03
4156	29665.5	148327.3	-9569.0	148671.3	29321.5	-86.92
4148	26504.1	132520.7	-9569.0	132905.5	26119.4	-86.56
4048	39927.0	199635.0	-12793.8	200098.5	39463.6	-86.92
4056	46748.0	233740.1	-12793.8	234136.2	46351.9	-87.37

NODE Vxx Vyy

MAX Cent	0.0	-131678.0
4156	-0.0	-147475.3
4148	-0.0	-115880.8
4048	0.0	-115880.8
4056	0.0	-147475.3
MIN Cent	0.0	-244460.4
4156	-0.0	-265049.1
4148	-0.0	-223871.6
4048	0.0	-223871.6
4056	0.0	-265049.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1993	3	4	env SL~1	MAX Cent	5576618.8	-605622.8	368906.2	5597476.2	-609766.5	3.25
				4148	5576618.8	-514952.8	368906.2	5598097.3	-519261.0	3.35
				4140	5576618.8	-696292.8	368906.2	5596889.9	-700284.1	3.16
				4040	5576618.8	-696292.8	368906.2	5596889.9	-700284.1	3.16

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4048 5576618.8 -514952.8 368906.2 5598097.3 -519261.0 3.35
MIN Cent -1388666.3 -900284.1 -99103.0 -779414.6 -1396095.8 -85.52
4148 -1388666.3 -729279.2 -99103.0 -691232.6 -1395162.6 -84.49
4140 -1388666.3 -1097793.4 -99103.0 -868097.9 -1397337.1 -84.76
4040 -1388666.3 -1097793.4 -99103.0 -868097.9 -1397337.1 -84.76
4048 -1388666.3 -729279.2 -99103.0 -691232.6 -1395162.6 -84.49

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 67290.1 336450.3 -3505.7 336774.9 66965.5 -88.01
4148 56963.5 284817.3 -3068.0 285149.5 56631.3 -87.81
4140 52542.2 262710.9 -3068.0 263071.0 52182.1 -87.63
4040 76759.4 383796.8 -3975.5 384124.3 76431.8 -88.13
4048 82895.3 414476.3 -3975.5 414779.6 82591.9 -88.27
MIN Cent 31716.5 158582.3 -9351.8 158874.6 31424.1 -87.25
4148 26504.1 132520.7 -8706.2 132829.9 26195.0 -86.91
4140 24151.8 120759.0 -8706.2 121098.1 23812.7 -86.62
4040 36282.9 181414.4 -10033.3 181703.8 35993.5 -87.45
4048 39927.0 199635.0 -10033.3 199898.1 39663.9 -87.68

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 -110304.8
4148 0.0 -115880.8
4140 0.0 -104728.8
4040 0.0 -104728.8
4048 0.0 -115880.8
MIN Cent 0.0 -216470.4
4148 0.0 -223871.6
4140 0.0 -209069.2
4040 -0.0 -209069.2
4048 -0.0 -223871.6

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
1994 3 4 env SL~1 MAX Cent 5530940.1 -739877.1 342712.7 5547967.0 -741019.2 2.90
4140 5530940.1 -701663.0 342712.7 5548055.1 -702823.1 2.92
4132 5530940.1 -778091.1 342712.7 5547879.9 -779215.9 2.89
4032 5530940.1 -778091.1 342712.7 5547879.9 -779215.9 2.89
4040 5530940.1 -701663.0 342712.7 5548055.1 -702823.1 2.92
MIN Cent -1425731.2 -1152760.0 -53164.2 -965717.7 -1434933.0 83.55
4140 -1425731.2 -1107892.4 -53164.2 -877293.5 -1433301.9 84.58
4132 -1425731.2 -1197627.5 -53164.2 -1053699.6 -1437202.6 82.04
4032 -1425731.2 -1197627.5 -53164.2 -1053699.6 -1437202.6 82.04
4040 -1425731.2 -1107892.4 -53164.2 -877293.5 -1433301.9 84.58

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 62815.3 314076.7 -3867.7 314413.0 62479.1 -87.91
  4140 52542.2 262710.9 -3245.1 263063.9 52189.2 -87.66
  4132 49310.6 246552.8 -3245.1 246928.9 48934.5 -87.50
  4032 72649.3 363246.3 -4551.6 363576.4 72319.2 -88.07
  4040 76759.4 383796.8 -4551.6 384109.3 76446.9 -88.17
MIN Cent 28951.8 144758.9 -9198.1 145084.1 28626.6 -86.97
  4140 24151.8 120759.0 -8620.5 121100.6 23810.2 -86.60
  4132 22199.3 110996.3 -8620.5 111367.7 21827.9 -86.31
  4032 33173.2 165865.8 -9799.3 166190.1 32848.9 -87.17
  4040 36282.9 181414.4 -9799.3 181711.0 35986.3 -87.41

```

```

NODE      Vxx      Vyy
-----
MAX Cent  0.0 -99733.7
  4140    0.0 -104728.8
  4132    0.0 -94738.7
  4032    0.0 -94738.7
  4040    0.0 -104728.8
MIN Cent -0.0 -205277.1
  4140    0.0 -209069.2
  4132    0.0 -201485.1
  4032   -0.0 -201485.1
  4040   -0.0 -209069.2

```

```

ELEM MAT SEC  LC  NODE      Fxx      Fyy      Fxy      Fmax      Fmin  ANGLE
-----
1995  3  4 env SL~1 MAX Cent 5509298.5 -825604.4 248306.7 5512817.3 -827551.9 1.35
      4132 5509298.5 -781520.2 248306.7 5512856.6 -783502.0 1.36
      4124 5509298.5 -869688.5 248306.7 5512778.8 -871602.9 1.33
      4024 5509298.5 -869688.5 248306.7 5512778.8 -871602.9 1.33
      4032 5509298.5 -781520.2 248306.7 5512856.6 -783502.0 1.36
MIN Cent -1459371.2 -1280857.0 -70387.3 -1114536.9 -1484869.3 74.86
      4132 -1459371.2 -1202751.4 -70387.3 -1046593.8 -1480470.9 77.26
      4124 -1459371.2 -1358962.6 -70387.3 -1180646.7 -1490977.4 71.49
      4024 -1459371.2 -1358962.6 -70387.3 -1180646.7 -1490977.4 71.49
      4032 -1459371.2 -1202751.4 -70387.3 -1046593.8 -1480470.9 77.26

```

```

NODE      Mxx      Myy      Mxy      Mmax      Mmin  ANGLE
-----
MAX Cent 58771.1 293855.7 -4079.4 294230.5 58396.3 -87.72
  4132 49310.6 246552.8 -3347.0 246936.3 48927.1 -87.48
  4124 45628.7 228143.4 -3347.0 228557.6 45214.4 -87.28
  4024 67496.1 337480.3 -4859.8 337859.4 67117.0 -87.86
  4032 72649.3 363246.3 -4859.8 363598.5 72297.0 -88.01
MIN Cent 26181.5 130907.4 -9394.5 131281.6 25807.3 -86.59
  4132 22199.3 110996.3 -8704.9 111374.7 21820.9 -86.27
  4124 19958.5 99792.7 -8704.9 100213.2 19538.1 -85.86
  4024 29395.0 146974.8 -10123.5 147363.9 29005.9 -86.71
  4032 33173.2 165865.8 -10123.5 166210.9 32828.1 -87.08

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	-88102.0
4132	0.0	-94738.7
4124	0.0	-81465.4
4024	-0.0	-81465.4
4032	-0.0	-94738.7
MIN Cent	-0.0	-195134.2
4132	0.0	-201485.1
4124	0.0	-188783.2
4024	-0.0	-188783.2
4032	-0.0	-201485.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

1996	3	4	env SL~1	MAX Cent	5492350.1	-868488.2	288329.4	5493225.6	-870647.8	-0.65
				4124	5492350.1	-871403.9	288329.4	5493227.1	-873561.0	-0.65
				4116	5492350.1	-865572.5	288329.4	5493224.2	-867734.5	-0.65
				4016	5492350.1	-865572.5	288329.4	5493224.2	-867734.5	-0.65
				4024	5492350.1	-871403.9	288329.4	5493227.1	-873561.0	-0.65
				MIN Cent	-1474817.9	-1371108.2	-77298.5	-1167918.2	-1523927.1	68.20
				4124	-1474817.9	-1362572.7	-77298.5	-1166155.0	-1523646.5	68.31
				4116	-1474817.9	-1379643.8	-77298.5	-1169678.6	-1524210.4	68.08
				4016	-1474817.9	-1379643.8	-77298.5	-1169678.6	-1524210.4	68.08
				4024	-1474817.9	-1362572.7	-77298.5	-1166155.0	-1523646.5	68.31

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	55862.2	279311.0	-2890.2	279641.2	55532.1	-87.80
4124	45628.7	228143.4	-2757.6	228525.3	45246.7	-87.38
4116	43757.9	218789.5	-2757.6	219187.7	43359.7	-87.27
4016	66566.2	332831.0	-2985.1	333122.1	66275.2	-88.11
4024	67496.1	337480.3	-2985.1	337767.3	67209.0	-88.13
MIN Cent	24623.0	123115.2	-8595.5	123417.3	24321.0	-86.84
4124	19958.5	99792.7	-8358.0	100160.9	19590.4	-86.12
4116	19399.7	96998.4	-8358.0	97377.1	19021.1	-86.01
4016	29739.0	148695.0	-8807.7	148945.8	29488.2	-87.37
4024	29395.0	146974.8	-8807.7	147228.5	29141.2	-87.34

NODE	Vxx	Vyy

MAX Cent	0.0	-85362.8
4124	0.0	-81465.4
4116	0.0	-89260.2
4016	0.0	-89260.2
4024	0.0	-81465.4
MIN Cent	-0.0	-192844.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4124 -0.0 -188783.2
4116 -0.0 -196906.2
4016 -0.0 -196906.2
4024 -0.0 -188783.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1997	3	4	env SL~1	MAX Cent	5549616.0	-703398.4	471162.0	5552963.3	-704108.6	-1.30
				4116	5549616.0	-858968.9	471162.0	5552823.1	-859636.7	-1.24
				4108	5549616.0	-547827.9	471162.0	5553116.2	-548586.4	-1.36
				4008	5549616.0	-547827.9	471162.0	5553116.2	-548586.4	-1.36
				4016	5549616.0	-858968.9	471162.0	5552823.1	-859636.7	-1.24
				MIN Cent	-1429204.8	-1058001.1	-147962.6	-879223.0	-1542363.8	65.93
				4116	-1429204.8	-1367119.5	-147962.6	-1050555.1	-1588598.1	57.02
				4108	-1429204.8	-767974.7	-147962.6	-686691.0	-1515086.3	71.69
				4008	-1429204.8	-767974.7	-147962.6	-686691.0	-1515086.3	71.69
				4016	-1429204.8	-1367119.5	-147962.6	-1050555.1	-1588598.1	57.02

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
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MAX Cent	52799.1	263995.3	-2814.4	264396.5	52397.8	-87.51
4116	43757.9	218789.5	-2658.3	219198.2	43349.2	-87.24
4108	39495.6	197477.9	-2658.3	197930.5	39043.0	-86.94
4008	61376.5	306882.6	-2946.9	307288.1	60971.1	-87.67
4016	66566.2	332831.0	-2946.9	333205.0	66192.3	-87.86
MIN Cent	23978.0	119890.1	-9214.3	120208.2	23659.9	-86.71
4116	19399.7	96998.4	-8468.0	97363.4	19034.8	-86.09
4108	17871.3	89356.6	-8468.0	89752.3	17475.5	-85.76
4008	28902.1	144510.4	-9985.5	144792.1	28620.4	-87.18
4016	29739.0	148695.0	-9985.5	148968.8	29465.2	-87.26

NODE	Vxx	Vyy
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MAX Cent	0.0	-92244.9
4116	0.0	-89260.2
4108	0.0	-95229.6
4008	0.0	-95229.6
4016	0.0	-89260.2
MIN Cent	-0.0	-192903.2
4116	0.0	-196906.2
4108	0.0	-188900.2
4008	-0.0	-188900.2
4016	-0.0	-196906.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
1998	3	4	env SL~1	MAX Cent	5642193.5	-435280.6	161845.6	5646423.0	-435309.5	1.50

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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4096 5642193.5 -377188.5 161845.6 5646486.4 -377218.1 1.52
4088 5642193.5 -493372.7 161845.6 5646361.4 -493400.8 1.48
3088 5642193.5 -493372.7 161845.6 5646361.4 -493400.8 1.48
3096 5642193.5 -377188.5 161845.6 5646486.4 -377218.1 1.52
MIN Cent -1359290.3 -639389.5 -76827.6 -631653.8 -1367026.1 -84.11
4096 -1359290.3 -641664.5 -76827.6 -633904.8 -1367050.1 -84.10
4088 -1359290.3 -655748.3 -76827.6 -629402.6 -1367002.2 -84.13
3088 -1359290.3 -655748.3 -76827.6 -629402.6 -1367002.2 -84.13
3096 -1359290.3 -641664.5 -76827.6 -633904.8 -1367050.1 -84.10

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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MAX Cent 127620.2 638100.9 -3825.1 638282.1 127439.0 -88.92
4096 103228.8 516143.9 -3729.8 516374.1 102998.6 -88.65
4088 101808.4 509042.1 -3729.8 509275.4 101575.1 -88.63
3088 154696.6 773483.1 -3878.4 773624.2 154555.5 -89.13
3096 150746.9 753734.6 -3878.4 753879.4 150602.1 -89.11
MIN Cent 68465.0 342325.0 -9620.0 342454.6 68335.4 -88.75
4096 50936.5 254682.3 -9751.2 254858.7 50760.1 -88.32
4088 50172.0 250859.9 -9751.2 251039.0 49992.9 -88.29
3088 87203.8 436019.1 -9345.1 436117.4 87105.6 -89.04
3096 85547.7 427738.7 -9345.1 427838.8 85447.6 -89.02

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NODE Vxx Vyy

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MAX Cent 0.0 -309250.9
4096 0.0 -298802.4
4088 0.0 -319699.4
3088 -0.0 -319699.4
3096 -0.0 -298802.4
MIN Cent 0.0 -447451.2
4096 0.0 -436978.3
4088 0.0 -457925.4
3088 -0.0 -457925.4
3096 -0.0 -436978.3

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

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1999 3 4 env SL~1 MAX Cent 5624837.9 -479113.8 225348.5 5632841.6 -480503.0 2.07
4088 5624837.9 -495126.0 225348.5 5632831.1 -496505.4 2.06
4080 5624837.9 -463101.6 225348.5 5632852.1 -464500.7 2.07
3080 5624837.9 -463101.6 225348.5 5632852.1 -464500.7 2.07
3088 5624837.9 -495126.0 225348.5 5632831.1 -496505.4 2.06
MIN Cent -1354349.5 -650267.6 -62975.2 -610110.9 -1359160.9 -85.52
4088 -1354349.5 -659196.2 -62975.2 -631417.2 -1359306.0 -85.39
4080 -1354349.5 -641339.0 -62975.2 -588797.0 -1359023.8 -85.64
3080 -1354349.5 -641339.0 -62975.2 -588797.0 -1359023.8 -85.64
3088 -1354349.5 -659196.2 -62975.2 -631417.2 -1359306.0 -85.39

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	126810.6	634053.2	-4479.0	634304.1	126559.8	-88.73
4088	101808.4	509042.1	-4134.2	509329.1	101521.4	-88.48
4080	98750.7	493753.3	-4134.2	494049.3	98454.7	-88.43
3080	151986.9	759934.5	-4834.4	760161.2	151760.2	-88.89
3088	154696.6	773483.1	-4834.4	773705.8	154473.9	-88.91
MIN Cent	68088.9	340444.7	-11283.5	340610.6	67923.0	-88.59
4088	50172.0	250859.9	-10815.9	251072.2	49959.7	-88.14
4080	48920.2	244601.1	-10815.9	244818.9	48702.5	-88.09
3080	86059.7	430298.6	-11741.9	430437.5	85920.8	-88.85
3088	87203.8	436019.1	-11741.9	436156.2	87066.8	-88.86

NODE	Vxx	Vyy
MAX Cent	0.0	-320164.1
4088	-0.0	-319699.4
4080	-0.0	-320628.7
3080	0.0	-320628.7
3088	0.0	-319699.4
MIN Cent	-0.0	-459198.2
4088	-0.0	-457925.4
4080	-0.0	-460470.9
3080	-0.0	-460470.9
3088	-0.0	-457925.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2000	3	4	env SL~1	MAX Cent	5627163.9	-461802.4	159139.8	5631198.7	-472943.2	1.46
				4080	5627163.9	-462409.2	159139.8	5631196.4	-473547.1	1.46
				4072	5627163.9	-461195.6	159139.8	5631201.0	-472339.4	1.46
				3072	5627163.9	-461195.6	159139.8	5631201.0	-472339.4	1.46
				3080	5627163.9	-462409.2	159139.8	5631196.4	-473547.1	1.46
				MIN Cent	-1351685.9	-637706.0	-158751.6	-601125.3	-1352098.2	-88.97
				4080	-1351685.9	-640836.5	-158751.6	-592472.0	-1352092.9	-88.98
				4072	-1351685.9	-634834.3	-158751.6	-609829.3	-1352103.7	-88.58
				3072	-1351685.9	-634834.3	-158751.6	-609829.3	-1352103.7	-88.58
				3080	-1351685.9	-640836.5	-158751.6	-592472.0	-1352092.9	-88.98

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	124791.4	623956.8	-3932.5	624185.6	124562.6	-88.77
4080	98750.7	493753.3	-3846.2	494030.9	98473.1	-88.48
4072	96525.0	482625.0	-3846.2	482909.0	96241.0	-88.45
3072	151902.9	759514.6	-3985.2	759708.1	151709.4	-88.98
3080	151986.9	759934.5	-3985.2	760127.9	151793.5	-88.98
MIN Cent	67399.8	336998.8	-10689.4	337149.1	67249.4	-88.65
4080	48920.2	244601.1	-10475.3	244805.2	48716.1	-88.15

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1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4072	48147.7	240738.4	-10475.3	240945.8	47940.3	-88.12
3072	86471.4	432356.9	-10846.2	432474.6	86353.7	-88.94
3080	86059.7	430298.6	-10846.2	430416.9	85941.5	-88.94

NODE Vxx Vyy

MAX Cent 0.0 -325740.4

4080	-0.0	-320628.7
4072	-0.0	-330852.1
3072	0.0	-330852.1
3080	0.0	-320628.7

MIN Cent -0.0 -468838.1

4080	-0.0	-460470.9
4072	-0.0	-478082.8
3072	-0.0	-478082.8
3080	-0.0	-460470.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2001 3 4 env SL~1 MAX Cent 5627572.3 -459932.0 152014.6 5631135.8 -480007.8 1.37

4072	5627572.3	-461120.7	152014.6	5631136.7	-481186.1	1.37
4064	5627572.3	-458743.2	152014.6	5631135.0	-478829.4	1.37
3064	5627572.3	-458743.2	152014.6	5631135.0	-478829.4	1.37
3072	5627572.3	-461120.7	152014.6	5631136.7	-481186.1	1.37

MIN Cent -1354468.9 -637856.6 -213455.5 -613889.2 -1356174.3 87.52

4072	-1354468.9	-634847.3	-213455.5	-609460.8	-1356166.0	87.53
4064	-1354468.9	-640865.9	-213455.5	-618317.4	-1356182.7	87.50
3064	-1354468.9	-640865.9	-213455.5	-618317.4	-1356182.7	87.50
3072	-1354468.9	-634847.3	-213455.5	-609460.8	-1356166.0	87.53

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 123191.6 615958.1 -4141.7 616200.5 122949.2 -88.73

4072	96525.0	482625.0	-3935.8	482915.0	96235.0	-88.43
4064	93777.3	468886.6	-3935.8	469185.1	93478.8	-88.38
3064	150561.2	752806.1	-4270.2	753015.9	150351.4	-88.93
3072	151902.9	759514.6	-4270.2	759722.5	151695.0	-88.94

MIN Cent 66874.1 334370.4 -10933.1 334531.1 66713.4 -88.60

4072	48147.7	240738.4	-10586.0	240951.6	47934.5	-88.10
4064	46972.3	234861.3	-10586.0	235079.8	46753.8	-88.05
3064	85905.0	429524.8	-11242.6	429655.0	85774.7	-88.89
3072	86471.4	432356.9	-11242.6	432486.3	86342.0	-88.89

NODE Vxx Vyy

MAX Cent 0.0 -333480.8

4072	0.0	-330852.1
4064	0.0	-336109.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

3064 -0.0 -336109.5
 3072 -0.0 -330852.1
 MIN Cent -0.0 -484151.8
 4072 -0.0 -478082.8
 4064 -0.0 -490220.7
 3064 -0.0 -490220.7
 3072 -0.0 -478082.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2002	3	4	env SL~1	MAX Cent	5631163.4	-447669.4	261651.4	5636574.6	-471037.0	1.69
				4064	5631163.4	-458252.7	261651.4	5636558.4	-481512.6	1.68
				4056	5631163.4	-437086.1	261651.4	5636590.9	-460562.3	1.70
				3056	5631163.4	-437086.1	261651.4	5636590.9	-460562.3	1.70
				3064	5631163.4	-458252.7	261651.4	5636558.4	-481512.6	1.68
				MIN Cent	-1354915.8	-623124.4	-229960.7	-609673.8	-1363219.6	84.14
				4064	-1354915.8	-640276.6	-229960.7	-611941.3	-1363267.0	84.12
				4056	-1354915.8	-615225.3	-229960.7	-607406.1	-1363172.6	84.16
				3056	-1354915.8	-615225.3	-229960.7	-607406.1	-1363172.6	84.16
				3064	-1354915.8	-640276.6	-229960.7	-611941.3	-1363267.0	84.12

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	122662.4	613312.0	-3481.1	613521.0	122453.4	-88.82
4064	93777.3	468886.6	-3651.5	469165.7	93498.2	-88.44
4056	92847.3	464236.5	-3651.5	464518.5	92565.4	-88.42
3056	153463.7	767318.7	-3195.0	767478.9	153303.5	-89.07
3064	150561.2	752806.1	-3195.0	752969.5	150397.9	-89.06
MIN Cent	66975.1	334875.4	-10129.3	335012.2	66838.2	-88.71
4064	46972.3	234861.3	-10236.4	235065.7	46767.9	-88.11
4056	46982.6	234913.2	-10236.4	235117.6	46778.3	-88.11
3056	88040.4	440202.2	-9919.7	440299.5	87943.1	-89.05
3064	85905.0	429524.8	-9919.7	429624.5	85805.2	-89.02

NODE	Vxx	Vyy
MAX Cent	0.0	-345282.6
4064	0.0	-336109.5
4056	0.0	-354455.7
3056	0.0	-354455.7
3064	0.0	-336109.5
MIN Cent	0.0	-506764.0
4064	-0.0	-490220.7
4056	-0.0	-523307.3
3056	0.0	-523307.3
3064	0.0	-490220.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2003	3	4	env SL~1	MAX Cent	5627497.1	-459930.8	324640.8	5636334.4	-482941.4	2.16
				4056	5627497.1	-437576.5	324640.8	5636386.1	-460813.4	2.17
				4048	5627497.1	-482285.1	324640.8	5636283.4	-505073.7	2.14
				3048	5627497.1	-482285.1	324640.8	5636283.4	-505073.7	2.14
				3056	5627497.1	-437576.5	324640.8	5636386.1	-460813.4	2.17
				MIN Cent	-1358785.1	-637110.6	-228673.3	-626415.2	-1369233.5	83.19
				4056	-1358785.1	-615999.1	-228673.3	-605836.4	-1368947.9	83.37
				4048	-1358785.1	-699292.9	-228673.3	-647595.4	-1369578.8	82.81
				3048	-1358785.1	-699292.9	-228673.3	-647595.4	-1369578.8	82.81
				3056	-1358785.1	-615999.1	-228673.3	-605836.4	-1368947.9	83.37
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	114922.9	574614.3	-9345.6	575255.0	114282.1	-87.86
				4056	92847.3	464236.5	-6574.4	464744.9	92339.0	-87.88
				4048	82682.6	413413.1	-6574.4	413983.8	82112.0	-87.62
				3048	130697.8	653488.9	-12520.6	654336.3	129850.4	-87.70
				3056	153463.7	767318.7	-12520.6	768040.7	152741.7	-88.04
				MIN Cent	61359.7	306798.6	-17173.9	307328.7	60829.6	-87.34
				4056	46982.6	234913.2	-13749.7	235331.3	46564.5	-87.30
				4048	39761.5	198807.5	-13749.7	199301.1	39267.9	-86.82
				3048	70654.3	353271.4	-21064.7	353997.1	69928.5	-87.10
				3056	88040.4	440202.2	-21064.7	440785.1	87457.5	-87.67
				NODE	Vxx	Vyy				
				MAX Cent	0.0	-310578.0				
				4056	0.0	-354455.7				
				4048	0.0	-266700.3				
				3048	0.0	-266700.3				
				3056	0.0	-354455.7				
				MIN Cent	0.0	-468913.3				
				4056	0.0	-523307.3				
				4048	0.0	-414519.3				
				3048	-0.0	-414519.3				
				3056	-0.0	-523307.3				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2004	3	4	env SL~1	MAX Cent	5580448.5	-590388.5	340742.3	5598280.2	-594544.5	3.01
				4048	5580448.5	-487503.4	340742.3	5598823.2	-491848.6	3.11
				4040	5580448.5	-693273.6	340742.3	5597768.4	-697256.1	2.93
				3040	5580448.5	-693273.6	340742.3	5597768.4	-697256.1	2.93
				3048	5580448.5	-487503.4	340742.3	5598823.2	-491848.6	3.11
				MIN Cent	-1386225.4	-880550.4	-98994.0	-765399.5	-1397915.1	-83.98
				4048	-1386225.4	-704727.8	-98994.0	-657269.4	-1396192.2	-84.87

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4040 -1386225.4 -1082390.8 -98994.0 -873104.3 -1400339.0 -82.73
 3040 -1386225.4 -1082390.8 -98994.0 -873104.3 -1400339.0 -82.73
 3048 -1386225.4 -704727.8 -98994.0 -657269.4 -1396192.2 -84.87

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 103027.8 515139.0 -5254.4 515496.6 102670.2 -88.31
 4048 82682.6 413413.1 -4553.6 413795.7 82300.1 -88.05
 4040 76797.2 383985.8 -4553.6 384397.6 76385.4 -87.90
 3040 121933.6 609668.0 -6028.6 610019.4 121582.2 -88.46
 3048 130697.8 653488.9 -6028.6 653816.8 130369.9 -88.57
 MIN Cent 52738.7 263693.5 -12145.4 263962.6 52469.5 -87.96
 4048 39761.5 198807.5 -11254.8 199110.7 39458.3 -87.50
 4040 36326.2 181631.2 -11254.8 181962.9 35994.5 -87.27
 3040 64212.8 321063.9 -13096.4 321324.9 63951.8 -88.18
 3048 70654.3 353271.4 -13096.4 353508.7 70417.0 -88.34

NODE Vxx Vyy

MAX Cent 0.0 -253723.7
 4048 -0.0 -266700.3
 4040 -0.0 -240747.1
 3040 0.0 -240747.1
 3048 0.0 -266700.3
 MIN Cent -0.0 -402093.2
 4048 -0.0 -414519.3
 4040 -0.0 -389667.1
 3040 -0.0 -389667.1
 3048 -0.0 -414519.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2005 3 4 env SL~1 MAX Cent 5537679.7 -726877.2 331287.7 5553610.7 -727787.4 2.81
 4040 5537679.7 -698733.2 331287.7 5553649.5 -699653.9 2.82
 4032 5537679.7 -755021.2 331287.7 5553572.1 -755921.1 2.81
 3032 5537679.7 -755021.2 331287.7 5553572.1 -755921.1 2.81
 3040 5537679.7 -698733.2 331287.7 5553649.5 -699653.9 2.82
 MIN Cent -1425199.4 -1119313.4 -47356.4 -966543.6 -1429520.4 85.87
 4040 -1425199.4 -1091941.4 -47356.4 -889379.0 -1428690.7 86.46
 4032 -1425199.4 -1146685.5 -47356.4 -1043569.9 -1430623.4 85.04
 3032 -1425199.4 -1146685.5 -47356.4 -1043569.9 -1430623.4 85.04
 3040 -1425199.4 -1091941.4 -47356.4 -889379.0 -1428690.7 86.46

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 97037.2 485186.1 -6313.9 485542.8 96680.6 -88.26
 4040 76797.2 383985.8 -5073.3 384381.9 76401.0 -87.94
 4032 72702.8 363513.9 -5073.3 363932.3 72284.4 -87.83

AUTOSTRADA VALDASTICO A31 NORD
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```

3032 116715.4 583576.9 -7700.9 583913.1 116379.1 -88.46
3040 121933.6 609668.0 -7700.9 609989.9 121611.7 -88.53
MIN Cent 47989.2 239946.1 -11771.1 240255.6 47679.7 -87.70
4040 36326.2 181631.2 -11038.5 181969.6 35987.9 -87.24
4032 33205.1 166025.7 -11038.5 166395.7 32835.1 -86.98
3032 58212.7 291063.4 -12533.7 291372.2 57903.9 -87.92
3040 64212.8 321063.9 -12533.7 321343.9 63932.8 -88.11

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 -228319.8
4040 0.0 -240747.1
4032 0.0 -215892.6
3032 0.0 -215892.6
3040 0.0 -240747.1
MIN Cent 0.0 -384815.9
4040 -0.0 -389667.1
4032 -0.0 -379964.8
3032 0.0 -379964.8
3040 0.0 -389667.1

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2006 3 4 env SL~1 MAX Cent 5521204.7 -801146.1 233020.1 5523861.6 -802870.6 1.14
4032 5521204.7 -757992.0 233020.1 5523887.6 -759746.4 1.16
4024 5521204.7 -844300.2 233020.1 5523836.2 -845995.7 1.13
3024 5521204.7 -844300.2 233020.1 5523836.2 -845995.7 1.13
3032 5521204.7 -757992.0 233020.1 5523887.6 -759746.4 1.16
MIN Cent -1455475.7 -1223212.6 -65976.4 -1103782.6 -1472009.4 77.77
4032 -1455475.7 -1150841.5 -65976.4 -1038552.3 -1469422.6 79.64
4024 -1455475.7 -1295583.7 -65976.4 -1167912.5 -1475696.6 75.15
3024 -1455475.7 -1295583.7 -65976.4 -1167912.5 -1475696.6 75.15
3032 -1455475.7 -1150841.5 -65976.4 -1038552.3 -1469422.6 79.64

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 91262.4 456312.0 -6829.9 456732.4 90842.0 -88.06
4032 72702.8 363513.9 -5339.3 363954.6 72262.2 -87.77
4024 67312.7 336563.6 -5339.3 337039.4 66837.0 -87.60
3024 108318.7 541593.6 -8479.0 542016.4 107895.9 -88.21
3032 116715.4 583576.9 -8479.0 583969.3 116322.9 -88.34
MIN Cent 42720.6 213602.8 -12394.8 213986.9 42336.4 -87.29
4032 33205.1 166025.7 -11328.2 166415.5 32815.3 -86.90
4024 29267.6 146337.8 -11328.2 146779.7 28825.7 -86.49
3024 50196.8 250984.2 -13541.7 251398.1 49783.0 -87.40
3032 58212.7 291063.4 -13541.7 291420.5 57855.6 -87.76

```

```

NODE Vxx Vyy

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  0.0 -198288.5
  4032   0.0 -215892.6
  4024   0.0 -180684.3
  3024  -0.0 -180684.3
  3032  -0.0 -215892.6
MIN Cent  -0.0 -366986.7
  4032   0.0 -379964.8
  4024   0.0 -354008.6
  3024  -0.0 -354008.6
  3032  -0.0 -379964.8

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2007  3  4 env SL~1 MAX Cent 5500512.7 -864913.9 278735.3 5501672.9 -866574.2 -0.75
      4024 5500512.7 -846850.9 278735.3 5501679.0 -848523.0 -0.76
      4016 5500512.7 -882976.8 278735.3 5501666.9 -884625.6 -0.75
      3016 5500512.7 -882976.8 278735.3 5501666.9 -884625.6 -0.75
      3024 5500512.7 -846850.9 278735.3 5501679.0 -848523.0 -0.76
MIN Cent -1475109.7 -1333558.4 -88922.2 -1175721.0 -1517875.0 69.30
      4024 -1475109.7 -1299997.5 -88922.2 -1152387.0 -1514782.9 70.68
      4016 -1475109.7 -1367119.2 -88922.2 -1198607.4 -1521414.7 67.74
      3016 -1475109.7 -1367119.2 -88922.2 -1198607.4 -1521414.7 67.74
      3024 -1475109.7 -1299997.5 -88922.2 -1152387.0 -1514782.9 70.68

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 88773.9 443869.3 -3417.2 444145.2 88498.0 -88.40
  4024 67312.7 336563.6 -3642.1 336945.7 66930.7 -87.84
  4016 66969.7 334848.7 -3642.1 335232.6 66585.8 -87.83
  3016 112494.3 562471.4 -3044.1 562673.3 112292.4 -88.79
  3024 108318.7 541593.6 -3044.1 541803.3 108109.0 -88.74
MIN Cent 40866.4 204331.8 -9902.1 204530.8 40667.4 -88.00
  4024 29267.6 146337.8 -10149.3 146647.4 28958.0 -87.06
  4016 29945.3 149726.6 -10149.3 150029.3 29642.7 -87.13
  3016 54055.7 270278.7 -9533.9 270408.5 53925.9 -88.60
  3024 50196.8 250984.2 -9533.9 251124.0 50057.0 -88.49

```

```

NODE Vxx Vyy
-----
MAX Cent  0.0 -194415.9
  4024   0.0 -180684.3
  4016   0.0 -208147.4
  3016   0.0 -208147.4
  3024   0.0 -180684.3
MIN Cent  -0.0 -373513.1
  4024  -0.0 -354008.6
  4016  -0.0 -393017.7
  3016  -0.0 -393017.7

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

3024 -0.0 -354008.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2008	3	4	env SL~1	MAX Cent	5554418.8	-699079.3	476998.7	5556537.3	-701331.9	-1.03
				4016	5554418.8	-876343.4	476998.7	5556446.0	-878443.8	-0.99
				4008	5554418.8	-521815.1	476998.7	5556637.2	-524243.8	-1.08
				3008	5554418.8	-521815.1	476998.7	5556637.2	-524243.8	-1.08
				3016	5554418.8	-876343.4	476998.7	5556446.0	-878443.8	-0.99
				MIN Cent	-1425841.1	-1034248.9	-117527.2	-846088.9	-1553591.4	65.00
				4016	-1425841.1	-1355146.8	-117527.2	-1043779.8	-1617119.9	54.72
				4008	-1425841.1	-729377.4	-117527.2	-618687.1	-1519726.5	71.48
				3008	-1425841.1	-729377.4	-117527.2	-618687.1	-1519726.5	71.48
				3016	-1425841.1	-1355146.8	-117527.2	-1043779.8	-1617119.9	54.72
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	85540.3	427701.4	-3555.5	428155.4	85086.3	-87.92
				4016	66969.7	334848.7	-3602.7	335313.6	66504.8	-87.62
				4008	60206.4	301031.8	-3602.7	301548.8	59689.4	-87.35
				3008	102490.7	512453.7	-3426.0	512921.8	102022.6	-88.07
				3016	112494.3	562471.4	-3426.0	562898.0	112067.7	-88.24
				MIN Cent	41414.9	207074.5	-12472.1	207323.2	41166.2	-87.78
				4016	29945.3	149726.6	-11169.5	150048.9	29623.0	-87.03
				4008	28265.1	141325.6	-11169.5	141666.9	27923.8	-86.86
				3008	53393.4	266967.0	-13861.5	267170.6	53189.8	-88.23
				3016	54055.7	270278.7	-13861.5	270479.8	53854.6	-88.25
				NODE	Vxx	Vyy				
				MAX Cent	0.0	-212541.1				
				4016	0.0	-208147.4				
				4008	0.0	-216934.7				
				3008	0.0	-216934.7				
				3016	0.0	-208147.4				
				MIN Cent	-0.0	-379031.3				
				4016	0.0	-393017.7				
				4008	0.0	-365044.9				
				3008	-0.0	-365044.9				
				3016	-0.0	-393017.7				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2009	3	4	env SL~1	MAX Cent	5638571.8	-417343.1	139603.9	5641723.1	-417400.1	1.29
				3096	5638571.8	-370219.0	139603.9	5641752.9	-370277.3	1.31
				3088	5638571.8	-464467.1	139603.9	5641693.9	-464522.9	1.28
				1088	5638571.8	-464467.1	139603.9	5641693.9	-464522.9	1.28

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1096 5638571.8 -370219.0 139603.9 5641752.9 -370277.3 1.31
MIN Cent -1352315.0 -604513.0 -87747.6 -594652.2 -1362175.9 -83.49
3096 -1352315.0 -576309.6 -87747.6 -566798.4 -1361826.2 -83.72
3088 -1352315.0 -641221.3 -87747.6 -622479.7 -1362551.9 -83.25
1088 -1352315.0 -641221.3 -87747.6 -622479.7 -1362551.9 -83.25
1096 -1352315.0 -576309.6 -87747.6 -566798.4 -1361826.2 -83.72

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 203735.4 1018677.2 -4405.1 1018792.2 203620.4 -89.32
3096 151669.8 758348.9 -4669.1 758552.5 151466.1 -88.95
3088 154598.4 772992.1 -4669.1 773191.9 154398.6 -88.97
1088 263009.7 1315048.3 -4029.2 1315107.0 262950.9 -89.57
1096 245663.9 1228319.6 -4029.2 1228382.5 245601.0 -89.54
MIN Cent 130895.8 654478.8 -9681.8 654546.9 130827.7 -89.35
3096 86127.8 430639.1 -11116.5 430762.5 86004.4 -88.92
3088 87118.0 435590.1 -11116.5 435712.1 86996.0 -88.93
1088 178590.8 892954.0 -7861.4 892992.8 178552.0 -89.58
1096 171746.4 858731.9 -7861.4 858772.2 171706.1 -89.56

```

NODE Vxx Vyy

```

MAX Cent 0.0 -764423.1
3096 0.0 -739153.0
3088 0.0 -789693.1
1088 0.0 -789693.1
1096 0.0 -739153.0
MIN Cent -0.0 -1114020.9
3096 -0.0 -1089521.8
3088 -0.0 -1139206.2
1088 0.0 -1139206.2
1096 0.0 -1089521.8

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2010 3 4 env SL~1 MAX Cent 5630179.0 -445529.3 214728.8 5637473.3 -446372.2 1.96
3088 5630179.0 -465594.5 214728.8 5637452.8 -466430.0 1.96
3080 5630179.0 -425464.0 214728.8 5637494.0 -426314.6 1.97
1080 5630179.0 -425464.0 214728.8 5637494.0 -426314.6 1.97
1088 5630179.0 -465594.5 214728.8 5637452.8 -466430.0 1.96
MIN Cent -1352482.3 -623992.6 -68544.4 -599778.5 -1358146.0 -85.08
3088 -1352482.3 -642894.0 -68544.4 -626970.2 -1358364.8 -84.90
3080 -1352482.3 -605091.1 -68544.4 -572572.4 -1357942.1 -85.25
1080 -1352482.3 -605091.1 -68544.4 -572572.4 -1357942.1 -85.25
1088 -1352482.3 -642894.0 -68544.4 -626970.2 -1358364.8 -84.90

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

MAX Cent 208132.8 1040664.2 -5958.1 1040885.8 207911.3 -89.07
  3088 154598.4 772992.1 -5541.6 773279.4 154311.1 -88.77
  3080 151936.6 759683.0 -5541.6 759975.3 151644.2 -88.74
  1080 262986.7 1314933.5 -6389.8 1315113.6 262806.7 -89.25
  1088 263009.7 1315048.3 -6389.8 1315228.3 262829.6 -89.25
MIN Cent 132525.1 662625.3 -13583.3 662735.1 132415.3 -89.18
  3088 87118.0 435590.1 -13332.5 435751.9 86956.2 -88.77
  3080 86033.1 430165.5 -13332.5 430329.3 85869.3 -88.75
  1080 178358.3 891791.7 -13763.6 891875.3 178274.8 -89.38
  1088 178590.8 892954.0 -13763.6 893037.5 178507.3 -89.38

```

```

NODE   Vxx   Vyy
-----
MAX Cent  0.0 -793372.8
  3088   0.0 -789693.1
  3080  -0.0 -797052.4
  1080   0.0 -797052.4
  1088   0.0 -789693.1
MIN Cent -0.0 -1146363.9
  3088 -0.0 -1139206.2
  3080 -0.0 -1153521.6
  1080  0.0 -1153521.6
  1088 -0.0 -1139206.2

```

```

ELEM MAT SEC  LC  NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
2011  3   4 env SL~1 MAX Cent 5632668.9 -430743.5 146575.5 5636039.1 -440652.3 1.35
      3080 5632668.9 -424872.6 146575.5 5636042.0 -434807.3 1.35
      3072 5632668.9 -436614.5 146575.5 5636036.1 -446497.4 1.35
      1072 5632668.9 -436614.5 146575.5 5636036.1 -446497.4 1.35
      1080 5632668.9 -424872.6 146575.5 5636042.0 -434807.3 1.35
MIN Cent -1349254.7 -610456.0 -148850.6 -588420.8 -1350236.9 -88.15
      3080 -1349254.7 -604549.7 -148850.6 -576524.9 -1350219.5 -88.18
      3072 -1349254.7 -616362.3 -148850.6 -600316.3 -1350254.8 -88.12
      1072 -1349254.7 -616362.3 -148850.6 -600316.3 -1350254.8 -88.12
      1080 -1349254.7 -604549.7 -148850.6 -576524.9 -1350219.5 -88.18

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent 209350.8 1046754.2 -4363.6 1046926.3 209178.7 -89.18
  3080 151936.6 759683.0 -4780.7 759940.6 151678.9 -88.82
  3072 152018.1 760090.4 -4780.7 760347.9 151760.6 -88.82
  1072 270461.9 1352309.7 -3789.9 1352427.8 270343.9 -89.40
  1080 262986.7 1314933.5 -3789.9 1315055.0 262865.3 -89.38
MIN Cent 133374.3 666871.5 -12008.3 666955.5 133290.3 -89.28
  3080 86033.1 430165.5 -12516.0 430308.8 85889.9 -88.83
  3072 86553.9 432769.6 -12516.0 432912.0 86411.5 -88.84
  1072 182551.8 912759.2 -11302.7 912812.9 182498.1 -89.51
  1080 178358.3 891791.7 -11302.7 891846.7 178303.3 -89.50

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	-812905.7
3080	0.0	-797052.4
3072	0.0	-828759.0
1072	0.0	-828759.0
1080	0.0	-797052.4
MIN Cent	-0.0	-1177515.3
3080	-0.0	-1153521.6
3072	-0.0	-1201509.1
1072	-0.0	-1201509.1
1080	-0.0	-1153521.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2012	3	4	env SL~1	MAX Cent	5630951.4	-437035.8	139389.8	5633940.6	-455379.1	1.26
				3072	5630951.4	-436866.2	139389.8	5633941.8	-455210.9	1.26
				3064	5630951.4	-437205.5	139389.8	5633939.4	-455547.4	1.26
				1064	5630951.4	-437205.5	139389.8	5633939.4	-455547.4	1.26
				1072	5630951.4	-436866.2	139389.8	5633941.8	-455210.9	1.26
				MIN Cent	-1352275.5	-620741.8	-203134.2	-603637.5	-1353103.2	88.28
				3072	-1352275.5	-616713.0	-203134.2	-600898.6	-1353101.5	88.28
				3064	-1352275.5	-624859.5	-203134.2	-606376.4	-1353105.0	88.27
				1064	-1352275.5	-624859.5	-203134.2	-606376.4	-1353105.0	88.27
				1072	-1352275.5	-616713.0	-203134.2	-600898.6	-1353101.5	88.28

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	211584.3	1057921.4	-4855.1	1058115.6	211390.1	-89.13
3072	152018.1	760090.4	-5002.2	760362.5	151746.0	-88.79
3064	150237.9	751189.3	-5002.2	751464.6	149962.5	-88.77
1064	273619.3	1368096.4	-4622.7	1368242.4	273473.2	-89.34
1072	270461.9	1352309.7	-4622.7	1352457.5	270314.2	-89.33
MIN Cent	134556.0	672779.9	-12821.9	672879.4	134456.5	-89.22
3072	86553.9	432769.6	-12866.4	432923.3	86400.2	-88.79
3064	85668.8	428344.1	-12866.4	428499.4	85513.5	-88.78
1064	183449.3	917246.7	-12645.3	917319.2	183376.8	-89.43
1072	182551.8	912759.2	-12645.3	912832.0	182479.0	-89.43

NODE	Vxx	Vyy

MAX Cent	-0.0	-836453.6
3072	-0.0	-828759.0
3064	-0.0	-844148.3
1064	-0.0	-844148.3
1072	-0.0	-828759.0
MIN Cent	-0.0	-1217718.4

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

3072 -0.0 -1201509.1
3064 -0.0 -1233927.6
1064 -0.0 -1233927.6
1072 -0.0 -1201509.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2013	3	4	env SL~1	MAX Cent	5632692.6	-432114.4	252200.2	5637509.8	-453380.8	1.60
				3064	5632692.6	-437008.6	252200.2	5637501.5	-458229.3	1.59
				3056	5632692.6	-427220.3	252200.2	5637518.3	-448532.6	1.60
				1056	5632692.6	-427220.3	252200.2	5637518.3	-448532.6	1.60
				1064	5632692.6	-437008.6	252200.2	5637501.5	-458229.3	1.59
				MIN Cent	-1352485.5	-615808.5	-218672.1	-599296.1	-1358731.4	84.87
				3064	-1352485.5	-624662.1	-218672.1	-601015.8	-1358765.8	84.86
				3056	-1352485.5	-606954.8	-218672.1	-597576.4	-1358697.3	84.88
				1056	-1352485.5	-606954.8	-218672.1	-597576.4	-1358697.3	84.88
				1064	-1352485.5	-624662.1	-218672.1	-601015.8	-1358765.8	84.86
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	217226.9	1086134.6	-2677.7	1086253.6	217108.0	-89.33
				3064	150237.9	751189.3	-4050.4	751416.7	150010.4	-88.89
				3056	154355.7	771778.3	-4050.4	771999.7	154134.3	-88.92
				1056	290694.9	1453474.7	-1043.9	1453533.8	290635.8	-89.59
				1064	273619.3	1368096.4	-1043.9	1368159.2	273556.5	-89.57
				MIN Cent	137824.5	689122.6	-10165.2	689179.6	137767.6	-89.42
				3064	85668.8	428344.1	-11693.2	428469.7	85543.3	-88.90
				3056	88719.8	443599.2	-11693.2	443720.4	88598.6	-88.94
				1056	193460.1	967300.5	-8290.5	967326.3	193434.4	-89.67
				1064	183449.3	917246.7	-8290.5	917273.8	183422.2	-89.65
				NODE	Vxx	Vyy				
				MAX Cent	0.0	-874190.4				
				3064	0.0	-844148.3				
				3056	0.0	-904232.6				
				1056	-0.0	-904232.6				
				1064	-0.0	-844148.3				
				MIN Cent	0.0	-1280369.8				
				3064	0.0	-1233927.6				
				3056	0.0	-1326812.0				
				1056	-0.0	-1326812.0				
				1064	-0.0	-1233927.6				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2014	3	4	env SL~1	MAX Cent	5632609.5	-431058.6	295619.9	5640251.8	-452754.4	2.01

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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3056 5632609.5 -427178.0 295619.9 5640265.7 -448911.0 2.01
3048 5632609.5 -434939.3 295619.9 5640238.0 -456598.0 2.01
1048 5632609.5 -434939.3 295619.9 5640238.0 -456598.0 2.01
1056 5632609.5 -427178.0 295619.9 5640265.7 -448911.0 2.01
MIN Cent -1352626.6 -614472.8 -220848.4 -598370.1 -1360327.2 84.23
3056 -1352626.6 -606901.4 -220848.4 -595983.8 -1360302.9 84.25
3048 -1352626.6 -622044.1 -220848.4 -600756.4 -1360351.6 84.21
1048 -1352626.6 -622044.1 -220848.4 -600756.4 -1360351.6 84.21
1056 -1352626.6 -606901.4 -220848.4 -595983.8 -1360302.9 84.25

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 201702.8 1008513.9 -19816.3 1009656.4 200560.3 -87.85
3056 154355.7 771778.3 -12512.4 772545.2 153588.7 -87.98
3048 130084.0 650420.2 -12512.4 651329.7 129174.5 -87.61
1048 231676.5 1158382.5 -28253.3 1160129.7 229929.4 -87.52
1056 290694.9 1453474.7 -28253.3 1454868.0 289301.5 -88.02
MIN Cent 124676.5 623382.5 -30381.8 624265.0 123794.0 -87.59
3056 88719.8 443599.2 -21774.2 444169.2 88149.8 -87.71
3048 70171.4 350857.2 -21774.2 351577.1 69451.5 -87.10
1048 146354.6 731773.1 -40275.8 733188.3 144939.4 -87.19
1056 193460.1 967300.5 -40275.8 968372.2 192388.4 -87.87

```

NODE Vxx Vyy

```

MAX Cent 0.0 -780964.6
3056 0.0 -904232.6
3048 0.0 -657696.6
1048 0.0 -657696.6
1056 0.0 -904232.6
MIN Cent -0.0 -1166383.2
3056 -0.0 -1326812.0
3048 -0.0 -1005954.5
1048 -0.0 -1005954.5
1056 -0.0 -1326812.0

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2015 3 4 env SL~1 MAX Cent 5585654.0 -568993.1 307669.1 5600181.1 -573338.6 2.73
3048 5585654.0 -440456.6 307669.1 5600679.0 -445054.1 2.82
3040 5585654.0 -697529.5 307669.1 5599715.0 -701649.2 2.64
1040 5585654.0 -697529.5 307669.1 5599715.0 -701649.2 2.64
1048 5585654.0 -440456.6 307669.1 5600679.0 -445054.1 2.82
MIN Cent -1382454.9 -854033.9 -108729.7 -743199.6 -1400567.9 -82.19
3048 -1382454.9 -631626.6 -108729.7 -604575.1 -1397329.9 -83.57
3040 -1382454.9 -1078623.6 -108729.7 -880673.7 -1405520.5 -80.09
1040 -1382454.9 -1078623.6 -108729.7 -880673.7 -1405520.5 -80.09
1048 -1382454.9 -631626.6 -108729.7 -604575.1 -1397329.9 -83.57

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	175506.7	877533.3	-7947.8	877891.7	175148.2	-88.71
3048	130084.0	650420.2	-6648.7	650827.9	129676.3	-88.40
3040	122052.8	610264.2	-6648.7	610698.8	121618.3	-88.29
1040	218213.2	1091066.1	-9421.4	1091407.8	217871.5	-88.87
1048	231676.5	1158382.5	-9421.4	1158704.4	231354.6	-88.93
MIN Cent	103537.6	517688.1	-15866.3	517919.4	103306.3	-88.65
3048	70171.4	350857.2	-14572.2	351125.2	69903.4	-88.23
3040	64345.8	321729.2	-14572.2	322021.5	64053.6	-88.07
1040	133278.6	666392.9	-18260.0	666622.0	133049.5	-88.81
1048	146354.6	731773.1	-18260.0	731981.8	146146.0	-88.92

NODE	Vxx	Vyy
MAX Cent	0.0	-626399.7
3048	0.0	-657696.6
3040	0.0	-595102.7
1040	-0.0	-595102.7
1048	-0.0	-657696.6
MIN Cent	-0.0	-926958.3
3048	-0.0	-1005954.5
3040	-0.0	-876678.2
1040	-0.0	-876678.2
1048	-0.0	-1005954.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2016	3	4	env SL~1	MAX Cent	5543738.3	-716900.9	319315.3	5558367.5	-717548.7	2.70
				3040	5543738.3	-703445.8	319315.3	5558342.7	-704097.2	2.70
				3032	5543738.3	-730356.0	319315.3	5558392.4	-731000.3	2.71
				1032	5543738.3	-730356.0	319315.3	5558392.4	-731000.3	2.71
				1040	5543738.3	-703445.8	319315.3	5558342.7	-704097.2	2.70
				MIN Cent	-1425249.9	-1090205.3	-39886.2	-968752.9	-1425947.4	88.23
				3040	-1425249.9	-1088082.1	-39886.2	-906348.7	-1425631.8	88.45
				3032	-1425249.9	-1092328.5	-39886.2	-1031140.6	-1426346.3	87.95
				1032	-1425249.9	-1092328.5	-39886.2	-1031140.6	-1426346.3	87.95
				1040	-1425249.9	-1088082.1	-39886.2	-906348.7	-1425631.8	88.45

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	167125.2	835626.0	-10412.3	835962.1	166789.1	-88.72
3040	122052.8	610264.2	-8139.4	610668.2	121648.9	-88.35
3032	116847.0	584235.0	-8139.4	584656.9	116425.0	-88.28
1032	211387.7	1056938.7	-12092.4	1057240.7	211085.8	-88.92
1040	218213.2	1091066.1	-12092.4	1091358.6	217920.7	-88.95
MIN Cent	93894.8	469473.9	-14994.0	469762.3	93606.3	-88.41
3040	64345.8	321729.2	-14049.8	322039.0	64036.1	-88.01

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

3032 58288.4 291442.0 -14049.8 291783.9 57946.6 -87.81
1032 119666.2 598331.2 -16114.9 598636.5 119361.0 -88.55
1040 133278.6 666392.9 -16114.9 666667.0 133004.4 -88.70

NODE Vxx Vyy

MAX Cent 0.0 -562491.7

3040 0.0 -595102.7
3032 0.0 -529880.6
1032 0.0 -529880.6
1040 0.0 -595102.7

MIN Cent 0.0 -823170.3

3040 0.0 -876678.2
3032 0.0 -816179.1
1032 -0.0 -816179.1
1040 -0.0 -876678.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2017 3 4 env SL~1 MAX Cent 5533870.3 -774334.2 214983.9 5535796.2 -775840.6 0.98

3032 5533870.3 -732653.3 214983.9 5535813.4 -734185.2 0.99
3024 5533870.3 -816015.0 214983.9 5535779.3 -817496.7 0.97
1024 5533870.3 -816015.0 214983.9 5535779.3 -817496.7 0.97
1032 5533870.3 -732653.3 214983.9 5535813.4 -734185.2 0.99

MIN Cent -1451192.5 -1161783.0 -61398.6 -1089631.5 -1460461.1 80.90

3032 -1451192.5 -1095191.7 -61398.6 -1028896.4 -1459128.1 82.19
3024 -1451192.5 -1228374.3 -61398.6 -1149847.6 -1462313.3 79.13
1024 -1451192.5 -1228374.3 -61398.6 -1149847.6 -1462313.3 79.13
1032 -1451192.5 -1095191.7 -61398.6 -1028896.4 -1459128.1 82.19

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 157804.2 789020.8 -11604.6 789472.2 157352.8 -88.47

3032 116847.0 584235.0 -8824.8 584713.0 116368.9 -88.17
3024 107884.3 539421.4 -8824.8 539939.1 107366.6 -88.02
1024 195097.7 975488.3 -13997.0 975951.1 194634.9 -88.61
1032 211387.7 1056938.7 -13997.0 1057365.9 210960.6 -88.71

MIN Cent 81991.9 409959.3 -16884.6 410369.4 81581.8 -87.98

3032 58288.4 291442.0 -14955.4 291829.4 57901.1 -87.67
3024 49894.7 249473.5 -14955.4 249925.7 49442.5 -87.28
1024 100118.1 500590.4 -19009.9 501079.0 99629.5 -88.00
1032 119666.2 598331.2 -19009.9 598740.2 119257.3 -88.33

NODE Vxx Vyy

MAX Cent 0.0 -481731.8

3032 -0.0 -529880.6
3024 -0.0 -433583.0

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1024 0.0 -433583.0
 1032 0.0 -529880.6
 MIN Cent -0.0 -784550.2
 3032 -0.0 -816179.1
 3024 -0.0 -752921.3
 1024 0.0 -752921.3
 1032 0.0 -816179.1

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2018 3 4 env SL~1 MAX Cent 5506883.6 -867874.4 260800.4 5508604.5 -869250.9 -0.92
 3024 5506883.6 -819756.6 260800.4 5508622.9 -821159.3 -0.93
 3016 5506883.6 -915992.1 260800.4 5508586.5 -917343.5 -0.91
 1016 5506883.6 -915992.1 260800.4 5508586.5 -917343.5 -0.91
 1024 5506883.6 -819756.6 260800.4 5508622.9 -821159.3 -0.93
 MIN Cent -1476926.2 -1305647.8 -108295.8 -1193912.7 -1510582.5 70.97
 3024 -1476926.2 -1234128.8 -108295.8 -1138010.2 -1505031.1 73.94
 3016 -1476926.2 -1377166.7 -108295.8 -1247504.6 -1518444.5 66.95
 1016 -1476926.2 -1377166.7 -108295.8 -1247504.6 -1518444.5 66.95
 1024 -1476926.2 -1234128.8 -108295.8 -1138010.2 -1505031.1 73.94

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 157942.4 789711.9 -2545.1 789854.0 157800.3 -89.14
 3024 107884.3 539421.4 -3901.0 539719.4 107586.2 -88.50
 3016 113265.7 566328.3 -3901.0 566612.2 112981.8 -88.57
 1016 215522.0 1077609.8 -922.0 1077670.0 215461.8 -89.52
 1024 195097.7 975488.3 -922.0 975554.7 195031.2 -89.47
 MIN Cent 79700.0 398500.2 -9474.5 398568.7 79631.5 -89.16
 3024 49894.7 249473.5 -11344.9 249656.8 49711.4 -88.27
 3016 54398.3 271991.3 -11344.9 272159.5 54230.1 -88.41
 1016 114389.1 571945.4 -7201.6 571965.6 114368.9 -89.62
 1024 100118.1 500590.4 -7201.6 500613.4 100095.1 -89.57

NODE Vxx Vyy

MAX Cent 0.0 -475744.7
 3024 0.0 -433583.0
 3016 0.0 -517906.4
 1016 0.0 -517906.4
 1024 0.0 -433583.0
 MIN Cent 0.0 -817854.7
 3024 -0.0 -752921.3
 3016 -0.0 -882788.1
 1016 -0.0 -882788.1
 1024 -0.0 -752921.3

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2019	3	4	env SL~1	MAX Cent	5560803.2	-686035.8	487209.4	5561990.1	-691112.4	-0.77
				3016	5560803.2	-908718.6	487209.4	5561932.7	-913370.7	-0.74
				3008	5560803.2	-463353.0	487209.4	5562053.6	-468939.2	-0.82
				1008	5560803.2	-463353.0	487209.4	5562053.6	-468939.2	-0.82
				1016	5560803.2	-908718.6	487209.4	5561932.7	-913370.7	-0.74
				MIN Cent	-1421196.3	-1002182.0	-87790.6	-803072.2	-1567043.3	64.09
				3016	-1421196.3	-1365028.1	-87790.6	-1040851.2	-1658222.0	51.71
				3008	-1421196.3	-639335.9	-87790.6	-524522.4	-1522642.2	72.08
				1008	-1421196.3	-639335.9	-87790.6	-524522.4	-1522642.2	72.08
				1016	-1421196.3	-1365028.1	-87790.6	-1040851.2	-1658222.0	51.71
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	155539.3	777696.4	-3597.4	778211.2	155024.5	-88.35
				3016	113265.7	566328.3	-4249.4	566837.7	112756.3	-88.08
				3008	100757.8	503789.1	-4249.4	504361.5	100185.4	-87.84
				1008	192611.7	963058.3	-2764.3	963624.1	192045.9	-88.45
				1016	215522.0	1077609.8	-2764.3	1078115.5	215016.3	-88.61
				MIN Cent	83907.6	419538.1	-17903.3	419699.7	83746.0	-88.74
				3016	54398.3	271991.3	-15199.2	272228.6	54161.0	-88.11
				3008	52606.8	263034.0	-15199.2	263279.3	52361.5	-88.05
				1008	114236.3	571181.5	-20885.7	571304.6	114113.2	-89.06
				1016	114389.1	571945.4	-20885.7	572068.4	114266.2	-89.06
				NODE	Vxx	Vyy				
				MAX Cent	-0.0	-524979.8				
				3016	0.0	-517906.4				
				3008	0.0	-532053.3				
				1008	-0.0	-532053.3				
				1016	0.0	-517906.4				
				MIN Cent	-0.0	-837885.4				
				3016	-0.0	-882788.1				
				3008	0.0	-792982.8				
				1008	-0.0	-792982.8				
				1016	-0.0	-882788.1				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2020	3	5	env SL~1	MAX Cent	4190657.6	-460483.2	1106975.7	6993943.4	-1344623.5	-31.52
				5089	2726296.3	615645.2	1106975.7	6362516.4	-1206313.5	-38.50
				5081	2726296.3	-625627.5	1106975.7	5638648.9	-1735478.2	-32.50
				4981	5655018.9	-625627.5	1106975.7	7875282.7	-1555281.0	-25.91
				4989	5655018.9	615645.2	1106975.7	8355074.4	-954880.1	-30.57
				MIN Cent	-1063684.6	-906722.5	-4571311.5	124550.6	-3298058.9	47.03
				5089	-714612.3	-1139155.7	-4571311.5	200260.3	-3050219.4	39.57

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5081 -714612.3 -1585273.4 -4571311.5 412708.4 -4481039.5 45.52
 4981 -1412756.9 -1585273.4 -4571311.5 123408.2 -3794052.4 54.22
 4989 -1412756.9 -1139155.7 -4571311.5 -160559.7 -2391352.9 48.52

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -211864.5 -1161969.1 86096.7 -204137.9 -1169695.8 5.13
 5089 689695.3 -863834.8 143979.1 707435.2 -881574.8 -6.07
 5081 -284047.4 -1625893.4 33972.9 -283188.2 -1626746.2 1.45
 4981 -155732.5 -778662.3 28749.2 -154408.5 -779986.3 2.64
 4989 -89193.7 -445968.7 138837.5 -43686.3 -491476.2 18.59
 MIN Cent -452328.3 -2483527.3 -436995.3 -362456.8 -2573398.8 -11.63
 5089 -323886.4 -1861750.1 -166955.8 -310522.8 -1875113.7 5.30
 5081 -1046104.0 -1932628.2 -393855.8 -872823.0 -1954366.7 -23.74
 4981 -569228.5 -2846142.7 -360691.1 -513456.7 -2901914.5 -8.79
 4989 -878395.7 -4391978.5 -133867.5 -873565.8 -4396808.4 -2.12

NODE Vxx Vyy

MAX Cent 225643.4 3917367.3
 5089 451286.7 5696795.8
 5081 451286.7 2137938.7
 4981 0.0 2137938.7
 4989 0.0 5696795.8
 MIN Cent -60.1 -1942550.2
 5089 -120.2 -2378421.3
 5081 -120.2 -1506679.1
 4981 0.0 -1506679.1
 4989 0.0 -2378421.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2021 3 5 env SL~1 MAX Cent 5651984.9 -718423.7 452567.7 6315488.7 -925187.3 -16.79
 5081 5750939.5 -696938.2 452567.7 6384608.5 -1054508.5 -16.08
 5073 5750939.5 -580042.9 452567.7 6429347.0 -795030.2 -17.15
 4973 5553062.3 -580042.9 452567.7 6249133.5 -796927.7 -17.57
 4981 5553062.3 -696938.2 452567.7 6202220.0 -1056093.2 -16.45
 MIN Cent -1422502.4 -1019973.6 -2199933.1 -536865.2 -1679165.9 62.93
 5081 -1459966.1 -1293460.7 -2199933.1 -526610.7 -1923242.7 64.13
 5073 -1459966.1 -790208.9 -2199933.1 -562094.4 -1688080.6 63.25
 4973 -1385038.6 -790208.9 -2199933.1 -546076.8 -1629170.7 61.66
 4981 -1385038.6 -1293460.7 -2199933.1 -511566.3 -1938424.0 62.61

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -236094.4 -1183794.9 16957.7 -235979.3 -1183909.9 -0.63
 5081 -243720.8 -1545271.8 60866.6 -240911.4 -1548081.2 2.66
 5073 -295780.4 -1432911.2 -9682.1 -295653.5 -1433038.0 -0.61

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4973 -142986.0 -714930.1 -6708.8 -142906.7 -715009.4 -0.67
4981 -155732.5 -778662.3 60813.5 -155715.1 -778679.7 -0.30
MIN Cent -432495.8 -2233028.5 -11635.2 -432343.1 -2233181.2 0.53
5081 -318798.6 -1855958.2 -6860.2 -318773.3 -1856100.7 -0.25
5073 -383378.5 -1759192.3 -21844.7 -383068.2 -1759502.7 -0.86
4973 -595679.7 -2978398.3 -17059.1 -595613.6 -2978464.4 -0.30
4981 -569228.5 -2846142.7 -3950.4 -567612.2 -2847759.0 1.53

```

NODE Vxx Vyy

```

MAX Cent 13349.4 2361518.3
5081 26698.7 2137938.7
5073 26698.7 2585097.9
4973 0.0 2585097.9
4981 0.0 2137938.7
MIN Cent 5146.9 -1537292.2
5081 10293.8 -1506679.1
5073 10293.8 -1567905.3
4973 0.0 -1567905.3
4981 0.0 -1506679.1

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2022 3 5 env SL~1 MAX Cent 5276332.0 -598030.7 303069.0 5653936.6 -719849.5 -13.60
5073 4965563.3 -598455.1 303069.0 5362973.1 -725542.6 -14.28
5065 4965563.3 -597606.3 303069.0 5359384.7 -724738.6 -14.16
4965 5587100.6 -597606.3 303069.0 5946773.9 -714556.9 -12.98
4973 5587100.6 -598455.1 303069.0 5949808.2 -715367.5 -13.09
MIN Cent -1310715.2 -852226.6 -1563097.9 -630288.6 -1444857.8 66.06
5073 -1237131.8 -821590.5 -1563097.9 -619960.3 -1385023.0 63.92
5065 -1237131.8 -882862.7 -1563097.9 -614432.6 -1383710.1 64.12
4965 -1384298.7 -882862.7 -1563097.9 -638608.6 -1506701.0 67.94
4973 -1384298.7 -821590.5 -1563097.9 -644478.0 -1507672.1 67.79

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -230559.9 -1154034.9 46433.3 -230467.7 -1154127.1 -0.57
5073 -288991.1 -1441439.0 40535.7 -288968.1 -1442911.8 0.25
5065 -204676.1 -1318842.3 28795.7 -203937.1 -1319581.3 1.47
4965 -136492.1 -682460.3 27440.0 -136414.8 -682537.5 -0.68
4973 -142986.0 -714930.1 39115.2 -142938.6 -714977.6 -0.52
MIN Cent -447512.6 -2248912.9 -10356.8 -446324.1 -2250101.5 1.47
5073 -351231.6 -1751932.7 -6801.6 -349811.3 -1751950.2 2.01
5065 -349451.2 -1683569.1 -8109.2 -349411.0 -1683609.3 -0.31
4965 -624544.8 -3122724.0 -7305.3 -624248.5 -3123020.3 0.62
4973 -595679.7 -2978398.3 -5975.5 -595041.8 -2979036.2 0.94

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent 4294.4 2793105.9
 5073 8588.7 2585097.9
 5065 8588.7 3001114.0
 4965 0.0 3001114.0
 4973 0.0 2585097.9
MIN Cent -15822.6 -1600427.6
 5073 -31645.2 -1567905.3
 5065 -31645.2 -1632949.9
 4965 -0.0 -1632949.9
 4973 -0.0 -1567905.3

```

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2023	3	5	env SL~1	MAX Cent	5574644.4	-552996.6	112025.4	5684526.3	-596228.8	-7.44
				5065	5552539.7	-578416.2	112025.4	5662574.5	-621502.4	-7.46
				5057	5552539.7	-527577.1	112025.4	5663168.3	-571595.1	-7.50
				4957	5596749.2	-527577.1	112025.4	5706643.2	-570956.2	-7.45
				4965	5596749.2	-578416.2	112025.4	5706033.0	-620889.7	-7.41
				MIN Cent	-1384661.6	-806571.8	-845465.9	-754401.1	-1403219.7	80.26
				5065	-1383318.8	-823145.9	-845465.9	-757121.6	-1401997.4	80.20
				5057	-1383318.8	-789997.7	-845465.9	-751602.9	-1401834.2	80.29
				4957	-1386004.3	-789997.7	-845465.9	-751679.1	-1404443.6	80.32
				4965	-1386004.3	-823145.9	-845465.9	-757199.0	-1404605.4	80.24

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-228633.6	-1143907.0	33396.0	-228627.8	-1143912.8	-0.14
5065	-273117.6	-1341075.8	24123.6	-273117.6	-1341628.1	-0.02
5057	-214045.6	-1287177.4	25101.3	-213481.3	-1287177.6	1.30
4957	-133878.0	-669390.0	21424.9	-133873.9	-669394.2	-0.16
4965	-136492.1	-682460.3	20436.0	-136491.1	-682461.2	-0.08
MIN Cent	-458371.1	-2290913.5	-3417.5	-457764.4	-2291520.2	1.04
5065	-333537.6	-1679951.6	-1893.4	-333537.2	-1679952.1	-0.03
5057	-341261.6	-1686254.0	-2664.8	-341259.6	-1686255.9	-0.07
4957	-650589.4	-3252946.9	-2280.3	-650414.8	-3253121.5	0.47
4965	-624544.8	-3122724.0	-1497.7	-624379.2	-3122889.5	0.47

NODE	Vxx	Vyy
MAX Cent	1784.1	3124351.4
5065	3568.2	3001114.0
5057	3568.2	3247588.7
4957	0.0	3247588.7
4965	0.0	3001114.0
MIN Cent	-13727.7	-1644137.5
5065	-27455.4	-1632949.9
5057	-27455.4	-1655325.0
4957	0.0	-1655325.0

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4965 0.0 -1632949.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2024	3	5	env SL~1	MAX Cent 5490803.9	-522500.6	46655.6	5538553.1	-544856.8	-4.97	
				5057 5389293.1	-529866.7	46655.6	5438077.8	-552492.3	-5.07	
				5049 5389293.1	-515134.5	46655.6	5437708.6	-537907.0	-5.03	
				4949 5592591.4	-515134.5	46655.6	5639431.8	-537227.5	-4.88	
				4957 5592591.4	-529866.7	46655.6	5639745.8	-551821.4	-4.91	
				MIN Cent -1372416.9	-833823.5	-552351.8	-797758.1	-1375594.5	85.75	
				5057 -1353510.8	-806759.6	-552351.8	-764567.4	-1356704.5	85.85	
				5049 -1353510.8	-860887.5	-552351.8	-830707.5	-1357068.0	85.32	
				4949 -1391599.6	-860887.5	-552351.8	-830945.1	-1394856.6	85.64	
				4957 -1391599.6	-806759.6	-552351.8	-764756.3	-1394512.7	86.10	

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -228259.7	-1140170.2	28056.2	-228249.5	-1140180.4	-0.19
5057 -256008.5	-1287249.2	18250.0	-255998.8	-1287258.9	-0.18
5049 -215910.7	-1215366.9	22489.6	-215445.8	-1215369.3	1.21
4949 -131428.3	-657141.7	20371.6	-131426.1	-657144.0	-0.12
4957 -133878.0	-669390.0	16179.6	-133868.5	-669399.6	-0.24
MIN Cent -468315.6	-2337493.6	-4174.9	-467895.4	-2337913.8	0.86
5057 -331514.9	-1684304.6	-3954.0	-331511.7	-1684307.8	-0.09
5049 -346704.1	-1701737.8	-2911.1	-346703.7	-1701738.2	-0.03
4949 -671507.5	-3357537.5	-1918.8	-671354.0	-3357691.1	0.43
4957 -650589.4	-3252946.9	-3063.9	-650490.2	-3253046.1	0.35

NODE Vxx Vyy

MAX Cent 2202.8	3369707.2
5057 4405.6	3247588.7
5049 4405.6	3491825.7
4949 0.0	3491825.7
4957 0.0	3247588.7
MIN Cent -11229.2	-1674586.1
5057 -22458.3	-1655325.0
5049 -22458.3	-1693847.1
4949 -0.0	-1693847.1
4957 -0.0	-1655325.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2025	3	5	env SL~1	MAX Cent 5593430.2	-477490.6	-33967.7	5613788.6	-491347.2	-3.24
				5049 5588948.3	-506977.3	-33967.7	5609070.0	-520675.8	-3.21
				5041 5588948.3	-448003.8	-33967.7	5609347.0	-462060.5	-3.25
				4941 5601028.1	-448003.8	-33967.7	5621501.1	-462022.2	-3.26

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4949 5601028.1 -506977.3 -33967.7 5621225.1 -520639.5 -3.22
MIN Cent -1402254.6 -800274.9 -407386.3 -797878.1 -1404651.4 -86.40
5049 -1416157.7 -840345.2 -407386.3 -837652.2 -1418646.9 -86.22
5041 -1416157.7 -760380.0 -407386.3 -758168.1 -1418356.8 -86.67
4941 -1391467.4 -760380.0 -407386.3 -758093.0 -1393754.4 -86.56
4949 -1391467.4 -840345.2 -407386.3 -837554.6 -1394082.5 -86.07

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

MAX Cent -222776.9 -1112129.4 10865.9 -222698.2 -1112208.2 -0.54
5049 -231957.4 -1212602.8 2337.9 -231820.1 -1212740.2 -0.68
5041 -210635.6 -1105804.2 6919.8 -210586.6 -1105895.9 0.41
4941 -122949.7 -614748.7 10852.4 -122923.9 -614774.6 -0.42
4949 -131428.3 -657141.7 6270.5 -131383.0 -657187.1 -0.53
MIN Cent -467626.5 -2331764.4 -9449.1 -467572.5 -2331818.5 0.31
5049 -327884.6 -1697973.9 -11605.5 -327804.7 -1698053.7 -0.44
5041 -340076.5 -1633755.4 -9126.9 -340014.7 -1633817.3 -0.40
4941 -674954.6 -3374772.9 -4289.4 -674914.6 -3374812.9 0.22
4949 -671507.5 -3357537.5 -5701.0 -671495.8 -3357549.3 0.12

```

```

NODE Vxx Vyy

```

```

MAX Cent 5433.3 3599325.8
5049 10866.6 3491825.7
5041 10866.6 3706825.9
4941 0.0 3706825.9
4949 0.0 3491825.7
MIN Cent -9728.5 -1670806.9
5049 -19457.0 -1693847.1
5041 -19457.0 -1647766.8
4941 0.0 -1647766.8
4949 0.0 -1693847.1

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

2026 3 5 env SL~1 MAX Cent 5528488.6 -389609.1 -53883.4 5528958.8 -392683.7 -0.50
5041 5439802.2 -449788.8 -53883.4 5440276.0 -452820.7 -0.50
5033 5439802.2 -329429.3 -53883.4 5440287.3 -332636.6 -0.51
4933 5621066.8 -329429.3 -53883.4 5621610.4 -332547.9 -0.54
4941 5621066.8 -449788.8 -53883.4 5621598.4 -452741.3 -0.53
MIN Cent -1332798.1 -687698.9 -303022.0 -664516.3 -1349020.3 -81.37
5041 -1301477.7 -761477.5 -303022.0 -728426.6 -1320275.5 -79.91
5033 -1301477.7 -613920.2 -303022.0 -598629.3 -1316952.5 -81.75
4933 -1367391.3 -613920.2 -303022.0 -599933.0 -1380779.8 -82.48
4941 -1367391.3 -761477.5 -303022.0 -730337.9 -1383520.4 -80.96

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent -206461.1 -1033617.7 1140.7 -206363.1 -1033715.7 -0.62
5041 -204918.8 -1099875.2 -3312.1 -204652.2 -1100141.8 -0.99
5033 -193620.1 -903618.1 -2173.0 -193613.6 -903941.2 -0.16
4933 -108414.4 -542072.0 2955.2 -108345.9 -542140.6 -0.72
4941 -122949.7 -614748.7 1816.1 -122921.7 -614776.7 -0.43
MIN Cent -451375.8 -2256093.1 -15510.2 -451375.8 -2256093.1 0.00
5041 -317170.1 -1629174.1 -15450.5 -317100.3 -1629244.0 -0.42
5033 -306996.4 -1497177.3 -15124.1 -306887.1 -1497286.6 -0.55
4933 -670183.6 -3350917.9 -7650.0 -670181.8 -3350919.7 0.05
4941 -674954.6 -3374772.9 -7976.4 -674954.1 -3374773.4 0.02

```

NODE Vxx Vyy

```

MAX Cent 3426.3 3845393.5
5041 6852.7 3706825.9
5033 6852.7 3984153.2
4933 0.0 3984153.2
4941 0.0 3706825.9
MIN Cent -802.7 -1595570.0
5041 -1605.5 -1647766.8
5033 -1605.5 -1543613.4
4933 -0.0 -1543613.4
4941 -0.0 -1647766.8

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2027 3 5 env SL~1 MAX Cent 5603744.9 -315036.1 408367.1 5629784.2 -318430.8 3.71
5033 5575839.1 -320907.6 408367.1 5602131.6 -324296.0 3.74
5025 5575839.1 -309164.6 408367.1 5601860.8 -312571.6 3.70
4925 5631650.7 -309164.6 408367.1 5657441.7 -312565.6 3.67
4933 5631650.7 -320907.6 408367.1 5657707.7 -324290.1 3.71
MIN Cent -1342232.2 -642111.1 -164185.3 -607809.0 -1376534.3 -77.81
5033 -1324629.8 -615230.0 -164185.3 -581337.3 -1358522.5 -77.95
5025 -1324629.8 -671715.8 -164185.3 -632589.3 -1361032.6 -77.08
4925 -1359834.7 -671715.8 -164185.3 -634271.2 -1394555.6 -77.66
4933 -1359834.7 -615230.0 -164185.3 -582808.7 -1392256.0 -78.46

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -196284.3 -984169.0 3215.5 -196272.7 -984180.6 0.22
5033 -158150.7 -896052.9 4139.0 -157969.6 -896234.1 -0.90
5025 -186922.4 -831189.1 1177.4 -186697.1 -831414.3 -1.07
4925 -109969.5 -549847.6 931.9 -109967.8 -549849.2 0.11
4933 -108414.4 -542072.0 3893.5 -108382.6 -542103.8 0.49
MIN Cent -438507.8 -2191232.3 -17774.7 -438471.9 -2191268.2 -0.26
5033 -300690.0 -1495916.0 -14268.8 -300675.7 -1495930.3 0.20
5025 -295246.0 -1495384.1 -14311.4 -295245.0 -1495385.1 0.05
4925 -665382.5 -3326912.7 -10517.7 -665377.1 -3326918.2 -0.08
4933 -670183.6 -3350917.9 -10475.0 -670173.6 -3350927.9 -0.11

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	7220.1	3984956.1
5033	14440.2	3984153.2
5025	14440.2	3985758.9
4925	0.0	3985758.9
4933	0.0	3984153.2
MIN Cent	-872.8	-1535181.9
5033	-1745.5	-1543613.4
5025	-1745.5	-1526750.4
4925	0.0	-1526750.4
4933	0.0	-1543613.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2028	3	5	env SL~1	MAX Cent	5303882.6	-279293.5	1223671.6	5545475.3	-339131.5	11.20
				5025	4985012.0	-325342.3	1223671.6	5237263.8	-386435.2	11.68
				5017	4985012.0	-233244.8	1223671.6	5241222.1	-297145.2	11.85
				4917	5622753.2	-233244.8	1223671.6	5854521.0	-291877.1	10.75
				4925	5622753.2	-325342.3	1223671.6	5851252.9	-381591.4	10.60
				MIN Cent	-1282869.0	-685899.3	-362308.2	-483587.5	-1444367.1	-65.80
				5025	-1205308.5	-732378.2	-362308.2	-479317.8	-1383110.2	-63.67
				5017	-1205308.5	-639420.4	-362308.2	-459885.1	-1378475.0	-64.27
				4917	-1360429.6	-639420.4	-362308.2	-485514.6	-1507966.6	-67.67
				4925	-1360429.6	-732378.2	-362308.2	-506038.3	-1511510.7	-67.19

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-196494.3	-982758.7	9884.8	-196375.1	-982877.9	0.71
5025	-137540.5	-821312.7	6846.6	-137193.0	-821660.2	-1.29
5017	-181775.4	-785935.3	6468.9	-181228.4	-786482.3	-1.72
4917	-113912.7	-569563.4	6820.5	-113812.7	-569663.4	0.85
4925	-109969.5	-549847.6	7198.1	-109856.6	-549960.5	0.92
MIN Cent	-433254.9	-2174431.1	-30768.6	-432755.2	-2174930.8	-0.97
5025	-312748.3	-1498884.6	-19438.2	-312709.9	-1498923.0	0.33
5017	-279405.6	-1463443.4	-27880.2	-279371.5	-1463477.4	0.31
4917	-651310.9	-3256554.7	-27247.0	-651042.3	-3256823.4	-0.58
4925	-665382.5	-3326912.7	-18805.0	-665260.9	-3327034.3	-0.39

NODE	Vxx	Vyy

MAX Cent	9469.2	3878313.8
5025	18938.3	3985758.9
5017	18938.3	3770868.7
4917	0.0	3770868.7
4925	0.0	3985758.9
MIN Cent	-3888.8	-1482120.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5025 -7777.6 -1526750.4
5017 -7777.6 -1437491.1
4917 -0.0 -1437491.1
4925 -0.0 -1526750.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2029	3	5	env SL~1	MAX Cent	5695665.8	-327233.0	1958510.6	6242657.5	-433132.2	15.61

5017	5796312.5	-207854.8	1958510.6	6355428.5	-348126.7	15.94
5009	5796312.5	-446611.3	1958510.6	6317980.5	-515644.3	14.92
4909	5595019.2	-446611.3	1958510.6	6130365.3	-518168.8	15.30
4917	5595019.2	-207854.8	1958510.6	6169713.3	-351037.0	16.36
MIN Cent	-1374943.3	-824466.9	-508787.5	-368343.2	-1630794.4	-63.24
5017	-1393635.2	-651466.5	-508787.5	-393867.0	-1651234.7	-63.09
5009	-1393635.2	-1087670.1	-508787.5	-350121.6	-1640435.8	-64.07
4909	-1356251.3	-1087670.1	-508787.5	-342800.5	-1618420.8	-63.40
4917	-1356251.3	-651466.5	-508787.5	-386023.8	-1621694.0	-62.39

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
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MAX Cent	-196790.7	-983236.2	7202.4	-196728.8	-983298.1	0.51
5017	-144024.1	-778385.0	11277.0	-143950.1	-778459.0	-0.62
5009	-142360.1	-738351.7	5151.5	-139170.1	-739746.1	-3.48
4909	-120579.3	-602896.3	4723.0	-120533.7	-602941.8	0.56
4917	-113912.7	-569563.4	13070.3	-113878.5	-569597.5	0.50
MIN Cent	-418016.3	-2154642.0	-16669.7	-417923.5	-2154734.7	-0.42
5017	-305099.7	-1468582.2	-6850.1	-305080.8	-1468601.2	0.23
5009	-277766.3	-1446094.3	-56243.3	-277748.1	-1446112.5	0.23
4909	-629624.6	-3148122.8	-54501.7	-628464.5	-3149282.9	-1.23
4917	-651310.9	-3256554.7	-2889.1	-651246.5	-3256619.1	0.28

NODE	Vxx	Vyy
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MAX Cent	915.8	3629412.2
5017	1831.5	3770868.7
5009	1831.5	3487955.7
4909	0.0	3487955.7
4917	0.0	3770868.7
MIN Cent	-12256.3	-1391609.8
5017	-24512.7	-1437491.1
5009	-24512.7	-1345728.5
4909	-0.0	-1345728.5
4917	-0.0	-1437491.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
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2030	3	5	env SL~1	MAX Cent	4204559.7	-30611.8	4556341.7	7069499.9	-857697.8	32.17
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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5009 2696801.3 -463515.9 4556341.7 5665942.6 -1304985.1 33.10
5001 2696801.3 975362.0 4556341.7 6472135.6 -711363.2 39.65
4901 5712318.1 975362.0 4556341.7 8478218.9 -410658.6 31.26
4909 5712318.1 -463515.9 4556341.7 7950119.9 -1110149.9 26.16
MIN Cent -1018522.0 -704086.5 -1106528.7 256337.5 -3087746.2 -49.04
5009 -664814.3 -1385458.9 -1106528.7 513488.6 -4333811.2 -46.80
5001 -664814.3 -882535.0 -1106528.7 338196.0 -2846190.9 -42.19
4901 -1372229.7 -882535.0 -1106528.7 5912.0 -2260676.7 -51.24
4909 -1372229.7 -1385458.9 -1106528.7 235796.2 -3608687.5 -55.47

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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MAX Cent -167085.2 -912777.0 427362.3 -155643.1 -924219.1 -7.01
5009 -205970.9 -778893.9 377607.4 -203908.7 -802156.3 -2.42
5001 756673.3 -295868.9 177339.3 785749.4 -324945.0 9.31
4901 -45264.6 -226322.8 147692.6 14510.8 -286098.2 -26.48
4909 -120579.3 -602896.3 347699.2 -117335.3 -606140.2 -4.67
MIN Cent -434277.6 -2368680.4 -94277.2 -344076.4 -2458881.7 11.92
5009 -923400.6 -1435765.5 -49322.5 -683845.0 -1518616.7 32.39
5001 -303422.5 -1547532.4 -133587.0 -289240.2 -1561714.7 -6.06
4901 -933862.5 -4669312.3 -124778.4 -928404.0 -4674770.8 2.19
4909 -629624.6 -3148122.8 -40029.7 -582503.5 -3195243.9 7.72

```

NODE Vxx Vyy

```

MAX Cent 10101.3 5314067.2
5009 20202.6 3487955.7
5001 20202.6 7140178.8
4901 0.0 7140178.8
4909 0.0 3487955.7
MIN Cent -215567.2 -1755760.9
5009 -431134.4 -1345728.5
5001 -431134.4 -2165793.4
4901 -0.0 -2165793.4
4909 -0.0 -1345728.5

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2031 3 5 env SL~1 MAX Cent 5734579.3 -62681.2 860377.9 5859237.0 -186823.2 8.26
4989 5734579.3 1666254.2 860377.9 5908621.2 1492949.4 11.45
4981 5734579.3 -518621.9 860377.9 5831394.1 -1017560.1 6.43
4881 5734579.3 -518621.9 860377.9 5831394.1 -1017560.1 6.43
4889 5734579.3 1666254.2 860377.9 5908621.2 1492949.4 11.45
MIN Cent -1424349.0 -964682.6 -282906.9 -830016.7 -1559014.9 -64.55
4989 -1424349.0 -1362823.6 -282906.9 -1109011.8 -1678160.8 -48.10
4981 -1424349.0 -1839536.4 -282906.9 -481641.2 -1935178.4 -73.30
4881 -1424349.0 -1839536.4 -282906.9 -481641.2 -1935178.4 -73.30
4889 -1424349.0 -1362823.6 -282906.9 -1109011.8 -1678160.8 -48.10

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-86537.9	-432689.6	12736.0	-86077.9	-433149.6	2.09
4989	-94814.8	-474073.8	19420.3	-93834.3	-475054.3	2.91
4981	-150965.4	-754826.8	19420.3	-150348.6	-755443.5	1.83
4881	-60817.5	-304087.7	6985.9	-60623.1	-304282.1	1.62
4889	-39554.0	-197770.2	6985.9	-39255.5	-198068.7	2.49
MIN Cent	-496514.6	-2482572.9	-56039.7	-494970.3	-2484117.2	-1.60
4989	-844123.4	-4220617.0	-86457.6	-841942.5	-4222797.9	-1.46
4981	-588570.3	-2942851.7	-86457.6	-585444.7	-2945977.4	-2.09
4881	-228076.7	-1140383.4	-29851.7	-227142.9	-1141317.1	-1.83
4889	-325287.9	-1626439.7	-29851.7	-324632.9	-1627094.7	-1.29

NODE	Vxx	Vyy
MAX Cent	0.0	-627662.8
4989	0.0	-477071.1
4981	0.0	-778254.5
4881	-0.0	-778254.5
4889	-0.0	-477071.1
MIN Cent	-0.0	-3795665.3
4989	0.0	-4479155.0
4981	0.0	-3112175.5
4881	-0.0	-3112175.5
4889	-0.0	-4479155.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2032	3	5	env SL~1	MAX Cent	5500170.0	-620564.9	-65533.6	5500807.6	-784440.5	-0.56
				4981	5500170.0	-506892.5	-65533.6	5500755.2	-1010679.1	-0.51
				4973	5500170.0	-548684.6	-65533.6	5500870.4	-558345.2	-0.61
				4873	5500170.0	-548684.6	-65533.6	5500870.4	-558345.2	-0.61
				4881	5500170.0	-506892.5	-65533.6	5500755.2	-1010679.1	-0.51
				MIN Cent	-1365322.4	-1283712.7	-285004.3	-625749.3	-1409123.0	-76.32
				4981	-1365322.4	-1886355.9	-285004.3	-516570.0	-1887060.6	-78.03
				4973	-1365322.4	-784363.4	-285004.3	-733123.6	-1416562.3	-74.11
				4873	-1365322.4	-784363.4	-285004.3	-733123.6	-1416562.3	-74.11
				4881	-1365322.4	-1886355.9	-285004.3	-516570.0	-1887060.6	-78.03

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-103437.7	-517188.5	-62.9	-103437.6	-517188.5	-0.02
4981	-150965.4	-754826.8	-906.7	-150963.7	-754828.4	-0.09
4973	-144197.0	-720985.2	-906.7	-144195.3	-720986.9	-0.10
4873	-57770.9	-288854.3	681.1	-57769.4	-288855.7	0.14
4881	-60817.5	-304087.7	681.1	-60816.2	-304089.1	0.14
MIN Cent	-409535.0	-2047675.1	-8094.6	-409529.8	-2047680.3	-0.10
4981	-588570.3	-2942851.7	-9192.8	-588567.6	-2942854.4	-0.06

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4973 -591024.0 -2955120.2 -9192.8 -591021.3 -2955123.0 -0.06
 4873 -230469.0 -1152345.1 -7121.5 -230457.1 -1152357.0 -0.21
 4881 -228076.7 -1140383.4 -7121.5 -228064.6 -1140395.4 -0.21

NODE Vxx Vyy

 MAX Cent 0.0 -762189.9

4981 0.0 -778254.5
 4973 0.0 -746125.2
 4873 0.0 -746125.2
 4881 0.0 -778254.5

MIN Cent 0.0 -3112440.4

4981 0.0 -3112175.5
 4973 0.0 -3112705.3
 4873 -0.0 -3112705.3
 4881 -0.0 -3112175.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

 2033 3 5 env SL~1 MAX Cent 5597527.6 -568611.8 -47505.8 5597899.0 -587475.5 -0.44

4973 5597527.6 -540403.1 -47505.8 5597907.2 -559493.6 -0.45
 4965 5597527.6 -596820.5 -47505.8 5597891.2 -615462.8 -0.43
 4865 5597527.6 -596820.5 -47505.8 5597891.2 -615462.8 -0.43
 4873 5597527.6 -540403.1 -47505.8 5597907.2 -559493.6 -0.45

MIN Cent -1381741.9 -799417.2 -366639.5 -679608.1 -1453781.4 -72.24

4973 -1381741.9 -787647.3 -366639.5 -712111.2 -1457278.1 -71.43
 4965 -1381741.9 -937136.8 -366639.5 -646822.1 -1450567.6 -72.98
 4865 -1381741.9 -937136.8 -366639.5 -646822.1 -1450567.6 -72.98
 4873 -1381741.9 -787647.3 -366639.5 -712111.2 -1457278.1 -71.43

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent -98286.0 -491430.2 4855.0 -98285.3 -491431.0 -0.08

4973 -144197.0 -720985.2 8822.3 -144193.2 -720989.0 -0.15
 4965 -136346.2 -681730.9 8822.3 -136342.1 -681734.9 -0.16
 4865 -54830.1 -274150.6 1473.2 -54829.8 -274150.8 0.06
 4873 -57770.9 -288854.3 1473.2 -57770.6 -288854.5 0.06

MIN Cent -422364.3 -2111821.6 -5085.1 -422352.9 -2111833.0 0.15

4973 -591024.0 -2955120.2 -4653.2 -590994.0 -2955150.3 0.20
 4965 -625352.2 -3126760.9 -4653.2 -625323.8 -3126789.3 0.19
 4865 -242612.0 -1213060.1 -5398.8 -242611.1 -1213061.0 0.06
 4873 -230469.0 -1152345.1 -5398.8 -230468.0 -1152346.1 0.06

NODE Vxx Vyy

 MAX Cent -0.0 -724930.5

4973 0.0 -746125.2
 4965 0.0 -703735.8

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4865 0.0 -703735.8
4873 0.0 -746125.2
MIN Cent -0.0 -3208468.5
4973 -0.0 -3112705.3
4965 -0.0 -3304231.7
4865 0.0 -3304231.7
4873 0.0 -3112705.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2034 3 5 env SL~1 MAX Cent 5586424.0 -553057.2 -172770.4 5591442.5 -591259.8 -1.62
4965 5586424.0 -596198.4 -172770.4 5591376.1 -633726.3 -1.60
4957 5586424.0 -509916.1 -172770.4 5591510.6 -548817.6 -1.65
4857 5586424.0 -509916.1 -172770.4 5591510.6 -548817.6 -1.65
4865 5586424.0 -596198.4 -172770.4 5591376.1 -633726.3 -1.60
MIN Cent -1378216.7 -858024.9 -471805.3 -661406.4 -1450831.4 -72.34
4965 -1378216.7 -939481.1 -471805.3 -644045.1 -1449114.2 -72.74
4957 -1378216.7 -776568.6 -471805.3 -678690.7 -1452625.6 -71.94
4857 -1378216.7 -776568.6 -471805.3 -678690.7 -1452625.6 -71.94
4865 -1378216.7 -939481.1 -471805.3 -644045.1 -1449114.2 -72.74

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -94724.5 -473622.3 2760.5 -94723.4 -473623.3 0.09
4965 -136346.2 -681730.9 5628.6 -136346.0 -681731.0 0.03
4957 -133938.0 -669689.9 5628.6 -133937.8 -669690.1 0.03
4857 -53783.6 -268917.8 988.7 -53780.0 -268921.4 0.23
4865 -54830.1 -274150.6 988.7 -54826.6 -274154.1 0.23
MIN Cent -442503.1 -2212515.5 -5586.5 -442500.0 -2212518.6 0.08
4965 -625352.2 -3126760.9 -5409.5 -625341.0 -3126772.1 0.12
4957 -650381.6 -3251908.0 -5409.5 -650370.9 -3251918.8 0.12
4857 -251666.6 -1258333.0 -5685.8 -251666.6 -1258333.0 -0.01
4865 -242612.0 -1213060.1 -5685.8 -242612.0 -1213060.1 -0.01

NODE Vxx Vyy

MAX Cent 0.0 -697858.2
4965 0.0 -703735.8
4957 0.0 -691980.7
4857 0.0 -691980.7
4865 0.0 -703735.8
MIN Cent 0.0 -3373187.8
4965 -0.0 -3304231.7
4957 -0.0 -3442144.0
4857 0.0 -3442144.0
4865 0.0 -3304231.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2035	3	5	env SL~1	MAX Cent	5597470.9	-501273.7	-211446.5	5605160.1	-552817.1	-1.99
				4957	5597470.9	-507844.8	-211446.5	5605196.6	-559246.6	-2.00
				4949	5597470.9	-494702.6	-211446.5	5605124.0	-546388.4	-1.98
				4849	5597470.9	-494702.6	-211446.5	5605124.0	-546388.4	-1.98
				4857	5597470.9	-507844.8	-211446.5	5605196.6	-559246.6	-2.00
				MIN Cent	-1387036.2	-810111.6	-526644.1	-693038.5	-1472116.3	-70.70
				4957	-1387036.2	-774652.1	-526644.1	-672257.0	-1469642.6	-71.22
				4949	-1387036.2	-845571.0	-526644.1	-713684.9	-1474725.0	-70.16
				4849	-1387036.2	-845571.0	-526644.1	-713684.9	-1474725.0	-70.16
				4857	-1387036.2	-774652.1	-526644.1	-672257.0	-1469642.6	-71.22
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	-92920.3	-464601.6	1851.5	-92919.5	-464602.4	0.08
				4957	-133938.0	-669689.9	4207.7	-133937.9	-669690.0	0.02
				4949	-131266.9	-656334.3	4207.7	-131266.8	-656334.4	0.02
				4849	-52692.9	-263464.3	935.9	-52689.6	-263467.6	0.23
				4857	-53783.6	-268917.8	935.9	-53780.4	-268921.0	0.22
				MIN Cent	-458073.0	-2290365.1	-6061.9	-458071.9	-2290366.2	0.04
				4957	-650381.6	-3251908.0	-6155.2	-650375.8	-3251913.8	0.09
				4949	-671098.9	-3355494.3	-6155.2	-671093.3	-3355499.9	0.08
				4849	-259145.0	-1295724.9	-5929.5	-259144.6	-1295725.3	-0.04
				4857	-251666.6	-1258333.0	-5929.5	-251666.2	-1258333.4	-0.04
				NODE	Vxx	Vyy				
				MAX Cent	0.0	-685158.6				
				4957	0.0	-691980.7				
				4949	0.0	-678336.6				
				4849	0.0	-678336.6				
				4857	0.0	-691980.7				
				MIN Cent	0.0	-3499290.2				
				4957	0.0	-3442144.0				
				4949	0.0	-3556436.5				
				4849	-0.0	-3556436.5				
				4857	-0.0	-3442144.0				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2036	3	5	env SL~1	MAX Cent	5598734.8	-467399.3	-278889.4	5612809.8	-533033.0	-2.69
				4949	5598734.8	-493347.7	-278889.4	5612730.5	-558275.2	-2.68
				4941	5598734.8	-441450.9	-278889.4	5612890.0	-507805.8	-2.71
				4841	5598734.8	-441450.9	-278889.4	5612890.0	-507805.8	-2.71
				4849	5598734.8	-493347.7	-278889.4	5612730.5	-558275.2	-2.68
				MIN Cent	-1384504.2	-807578.8	-588896.0	-655257.2	-1494705.5	-68.76
				4949	-1384504.2	-845469.7	-588896.0	-685841.8	-1499529.7	-67.91

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4941 -1384504.2 -769687.9 -588896.0 -624331.6 -1490222.3 -69.55
 4841 -1384504.2 -769687.9 -588896.0 -624331.6 -1490222.3 -69.55
 4849 -1384504.2 -845469.7 -588896.0 -685841.8 -1499529.7 -67.91

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -89075.3 -445376.7 -1167.3 -89070.5 -445381.6 -0.21
 4949 -131266.9 -656334.3 -523.3 -131253.0 -656348.1 -0.29
 4941 -122860.3 -614301.6 -523.3 -122845.5 -614316.4 -0.31
 4841 -49481.4 -247406.8 -5.7 -49481.3 -247406.9 -0.03
 4849 -52692.9 -263464.3 -5.7 -52692.8 -263464.4 -0.03
 MIN Cent -466383.1 -2331915.4 -7087.6 -466381.4 -2331917.2 -0.06
 4949 -671098.9 -3355494.3 -7759.5 -671098.3 -3355494.9 -0.03
 4941 -674880.5 -3374402.3 -7759.5 -674879.9 -3374402.9 -0.03
 4841 -260408.0 -1302040.2 -6459.2 -260402.9 -1302045.4 -0.13
 4849 -259145.0 -1295724.9 -6459.2 -259139.8 -1295730.0 -0.13

NODE Vxx Vyy

MAX Cent -0.0 -655912.0
 4949 0.0 -678336.6
 4941 0.0 -633487.4
 4841 -0.0 -633487.4
 4849 -0.0 -678336.6
 MIN Cent -0.0 -3567307.8
 4949 0.0 -3556436.5
 4941 0.0 -3578179.2
 4841 -0.0 -3578179.2
 4849 -0.0 -3556436.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2037 3 5 env SL~1 MAX Cent 5621874.5 -379095.7 -242730.0 5638105.9 -449040.9 -2.91
 4941 5621874.5 -437918.8 -242730.0 5637914.4 -506136.5 -2.88
 4933 5621874.5 -320272.6 -242730.0 5638302.0 -392032.1 -2.95
 4833 5621874.5 -320272.6 -242730.0 5638302.0 -392032.1 -2.95
 4841 5621874.5 -437918.8 -242730.0 5637914.4 -506136.5 -2.88
 MIN Cent -1364888.3 -685793.0 -592525.1 -585621.5 -1457194.3 -72.05
 4941 -1364888.3 -764816.4 -592525.1 -638426.2 -1463590.9 -70.84
 4933 -1364888.3 -608631.6 -592525.1 -532126.0 -1451478.7 -73.14
 4833 -1364888.3 -608631.6 -592525.1 -532126.0 -1451478.7 -73.14
 4841 -1364888.3 -764816.4 -592525.1 -638426.2 -1463590.9 -70.84

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -81293.8 -406468.8 -1088.7 -81289.4 -406473.2 -0.21
 4941 -122860.3 -614301.6 -2409.5 -122847.5 -614314.4 -0.29
 4933 -108744.8 -543724.2 -2409.5 -108730.4 -543738.7 -0.33

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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4833 -44088.5 -220442.5  49.5 -44088.5 -220442.6  -0.02
4841 -49481.4 -247406.8  49.5 -49481.3 -247406.8  -0.02
MIN Cent -465900.3 -2329501.7 -7989.1 -465892.9 -2329509.1 -0.11
4941 -674880.5 -3374402.3 -9168.1 -674874.0 -3374408.8 -0.09
4933 -669908.4 -3349542.2 -9168.1 -669901.9 -3349548.7 -0.09
4833 -258404.4 -1292022.0 -6926.4 -258393.8 -1292032.7 -0.18
4841 -260408.0 -1302040.2 -6926.4 -260397.5 -1302050.8 -0.18

```

```

NODE   Vxx   Vyy
-----
MAX Cent   0.0 -595835.8
4941    0.0 -633487.4
4933    0.0 -558184.2
4833   -0.0 -558184.2
4841   -0.0 -633487.4
MIN Cent  -0.0 -3565366.0
4941    0.0 -3578179.2
4933    0.0 -3552552.7
4833   -0.0 -3552552.7
4841   -0.0 -3578179.2

```

```

ELEM MAT SEC  LC  NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
2038  3   5 env SL~1 MAX Cent 5617943.5 -330187.6 -144368.1 5628269.2 -382758.8 -2.32
4933 5617943.5 -318316.3 -144368.1 5628425.8 -371166.2 -2.36
4925 5617943.5 -342058.9 -144368.1 5628117.3 -394354.3 -2.29
4825 5617943.5 -342058.9 -144368.1 5628117.3 -394354.3 -2.29
4833 5617943.5 -318316.3 -144368.1 5628425.8 -371166.2 -2.36
MIN Cent -1353268.8 -704204.9 -507122.9 -577265.3 -1398109.3 -78.52
4933 -1353268.8 -607506.0 -507122.9 -574408.4 -1397945.6 -78.56
4925 -1353268.8 -800903.7 -507122.9 -580121.3 -1398274.0 -78.48
4825 -1353268.8 -800903.7 -507122.9 -580121.3 -1398274.0 -78.48
4833 -1353268.8 -607506.0 -507122.9 -574408.4 -1397945.6 -78.56

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent -76732.7 -383663.6  1409.8 -76727.1 -383669.3  0.25
4933 -108744.8 -543724.2  1511.4 -108740.1 -543728.9  0.19
4925 -109751.3 -548756.3  1511.4 -109746.6 -548760.9  0.19
4825 -44346.3 -221731.4  1327.5 -44337.8 -221739.9  0.40
4833 -44088.5 -220442.5  1327.5 -44080.0 -220451.1  0.40
MIN Cent -462803.6 -2314018.1 -8274.2 -462796.1 -2314025.5 -0.12
4933 -669908.4 -3349542.2 -9612.6 -669901.9 -3349548.7 -0.09
4925 -666041.1 -3330205.7 -9612.6 -666034.6 -3330212.3 -0.09
4825 -256860.5 -1284302.3 -7075.3 -256849.7 -1284313.0 -0.19
4833 -258404.4 -1292022.0 -7075.3 -258393.8 -1292032.7 -0.18

```

```

NODE   Vxx   Vyy

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  0.0 -561415.7
  4933   -0.0 -558184.2
  4925   -0.0 -564647.2
  4825    0.0 -564647.2
  4833    0.0 -558184.2
MIN Cent  -0.0 -3542523.9
  4933   -0.0 -3552552.7
  4925   -0.0 -3532495.0
  4825   -0.0 -3532495.0
  4833   -0.0 -3552552.7

```

```

ELEM MAT SEC LC  NODE  Fxx  Fyy  Fxy  Fmax  Fmin  ANGLE
-----
2039  3  5 env SL~1 MAX Cent 5631142.4 -261991.7 -97755.3 5646948.9 -304824.4 -2.88
      4925 5631142.4 -339331.1 -97755.3 5646560.6 -380693.2 -2.81
      4917 5631142.4 -184652.4 -97755.3 5647357.2 -229061.7 -2.96
      4817 5631142.4 -184652.4 -97755.3 5647357.2 -229061.7 -2.96
      4825 5631142.4 -339331.1 -97755.3 5646560.6 -380693.2 -2.81
MIN Cent -1358231.2 -642691.0 -455493.6 -617807.5 -1381783.1 -81.56
      4925 -1358231.2 -798443.2 -455493.6 -597399.4 -1381105.3 -81.79
      4917 -1358231.2 -654938.5 -455493.6 -638191.3 -1382495.5 -81.33
      4817 -1358231.2 -654938.5 -455493.6 -638191.3 -1382495.5 -81.33
      4825 -1358231.2 -798443.2 -455493.6 -597399.4 -1381105.3 -81.79

```

```

      NODE  Mxx  Myy  Mxy  Mmax  Mmin  ANGLE
-----
MAX Cent -78810.9 -394054.3 2363.1 -78794.5 -394070.6 0.41
      4925 -109751.3 -548756.3 2969.9 -109732.3 -548775.2 0.38
      4917 -115082.4 -575411.8 2969.9 -115064.3 -575429.9 0.36
      4817 -46063.5 -230317.6 1852.6 -46046.9 -230334.3 0.54
      4825 -44346.3 -221731.4 1852.6 -44329.0 -221748.7 0.57
MIN Cent -454813.6 -2274067.9 -8813.9 -454785.9 -2274095.6 -0.22
      4925 -666041.1 -3330205.7 -10443.7 -666008.0 -3330238.8 -0.20
      4917 -646509.7 -3232548.7 -10443.7 -646475.6 -3232582.9 -0.21
      4817 -249843.0 -1249215.1 -7367.2 -249816.6 -1249241.5 -0.29
      4825 -256860.5 -1284302.3 -7367.2 -256834.8 -1284327.9 -0.29

```

```

      NODE  Vxx  Vyy
-----
MAX Cent  0.0 -580246.7
      4925  0.0 -564647.2
      4917  0.0 -595846.1
      4817  0.0 -595846.1
      4825  0.0 -564647.2
MIN Cent  -0.0 -3478478.0
      4925  -0.0 -3532495.0
      4917  -0.0 -3424461.0
      4817  -0.0 -3424461.0

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4825 -0.0 -3532495.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2040	3	5	env SL~1	MAX Cent	5537293.3	-414961.0	-87083.3	5544339.8	-430796.4	-1.87
				4917	5537293.3	-190771.1	-87083.3	5545054.3	-208361.7	-2.06
				4909	5537293.3	-358429.9	-87083.3	5543745.7	-653547.8	-1.71
				4809	5537293.3	-358429.9	-87083.3	5543745.7	-653547.8	-1.71
				4817	5537293.3	-190771.1	-87083.3	5545054.3	-208361.7	-2.06
				MIN Cent	-1338414.3	-1111552.4	-327846.9	-523912.3	-1351566.1	-83.34
				4917	-1338414.3	-650975.1	-327846.9	-638069.6	-1354146.9	-82.27
				4909	-1338414.3	-1717411.5	-327846.9	-409314.9	-1722610.3	-84.16
				4809	-1338414.3	-1717411.5	-327846.9	-409314.9	-1722610.3	-84.16
				4817	-1338414.3	-650975.1	-327846.9	-638069.6	-1354146.9	-82.27

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	-80859.0	-404295.2	1237.8	-80855.0	-404299.2	0.20
4917	-115082.4	-575411.8	1328.2	-115079.1	-575415.1	0.15
4909	-115752.8	-578763.9	1328.2	-115749.5	-578767.2	0.15
4809	-46537.5	-232687.4	1152.7	-46531.6	-232693.3	0.32
4817	-46063.5	-230317.6	1152.7	-46057.6	-230323.6	0.33
MIN Cent	-448469.6	-2242348.1	-6836.4	-448467.4	-2242350.3	-0.06
4917	-646509.7	-3232548.7	-7447.0	-646508.4	-3232550.0	-0.04
4909	-648561.8	-3242808.9	-7447.0	-648560.5	-3242810.2	-0.04
4809	-248963.9	-1244819.6	-6249.0	-248959.8	-1244823.8	-0.12
4817	-249843.0	-1249215.1	-6249.0	-249838.9	-1249219.2	-0.12

NODE Vxx Vyy

MAX Cent	0.0	-596694.1
4917	0.0	-595846.1
4909	0.0	-597542.2
4809	0.0	-597542.2
4817	0.0	-595846.1
MIN Cent	0.0	-3437113.3
4917	-0.0	-3424461.0
4909	-0.0	-3449765.7
4809	-0.0	-3449765.7
4817	-0.0	-3424461.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2041	3	5	env SL~1	MAX Cent	5786313.1	195987.8	133177.9	5964254.2	18046.7	-9.96
				4909	5786313.1	-368037.3	133177.9	5922629.6	-677057.6	-7.66
				4901	5786313.1	1998970.1	133177.9	6040292.3	1744990.9	-14.07
				4801	5786313.1	1998970.1	133177.9	6040292.3	1744990.9	-14.07

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4809 5786313.1 -368037.3 133177.9 5922629.6 -677057.6 -7.66
MIN Cent -1388045.3 -783164.3 -1014045.9 -756373.1 -1414836.5 78.36
4909 -1388045.3 -1667926.3 -1014045.9 -411637.1 -1800786.3 82.41
4901 -1388045.3 -1137359.3 -1014045.9 -1082053.2 -1443351.4 66.97
4801 -1388045.3 -1137359.3 -1014045.9 -1082053.2 -1443351.4 66.97
4809 -1388045.3 -1667926.3 -1014045.9 -411637.1 -1800786.3 82.41

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -58976.6 -294883.2 49495.2 -58354.7 -295505.1 -2.94
4909 -115752.8 -578763.9 79424.1 -114909.3 -579607.4 -2.44
4901 -51491.8 -257459.1 79424.1 -49609.4 -259341.5 -5.44
4801 -22124.4 -110622.2 23757.8 -21778.6 -110968.0 -3.57
4809 -46537.5 -232687.4 23757.8 -46372.6 -232852.3 -1.70
MIN Cent -535612.7 -2678063.7 -13278.5 -534490.1 -2679186.4 1.31
4909 -648561.8 -3242808.9 -20952.2 -646155.6 -3245215.1 1.74
4901 -900763.2 -4503816.0 -20952.2 -899030.0 -4505549.3 1.26
4801 -344162.1 -1720810.5 -6668.2 -343769.0 -1721203.6 0.97
4809 -248963.9 -1244819.6 -6668.2 -248420.6 -1245362.9 1.34

```

NODE Vxx Vyy

```

MAX Cent 0.0 -425536.8
4909 0.0 -597542.2
4901 0.0 -253531.4
4801 0.0 -253531.4
4809 0.0 -597542.2
MIN Cent 0.0 -4127477.6
4909 0.0 -3449765.7
4901 0.0 -4805189.5
4801 -0.0 -4805189.5
4809 -0.0 -3449765.7

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2042 3 5 env SL~1 MAX Cent 5719538.6 -137884.6 636277.3 5787616.3 -205962.3 6.12
4889 5719538.6 1155107.5 636277.3 5806268.5 1068377.6 7.78
4881 5719538.6 -563210.0 636277.3 5775515.9 -838843.0 5.04
4781 5719538.6 -563210.0 636277.3 5775515.9 -838843.0 5.04
4789 5719538.6 1155107.5 636277.3 5806268.5 1068377.6 7.78
MIN Cent -1410727.5 -896575.1 -256842.8 -791279.2 -1516023.4 -67.59
4889 -1410727.5 -1182420.7 -256842.8 -1016830.7 -1576317.5 -57.04
4881 -1410727.5 -1478253.2 -256842.8 -536150.3 -1533851.1 -73.72
4781 -1410727.5 -1478253.2 -256842.8 -536150.3 -1533851.1 -73.72
4789 -1410727.5 -1182420.7 -256842.8 -1016830.7 -1576317.5 -57.04

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent -32994.3 -164971.4 5461.8 -32778.4 -165187.3 2.31
4889 -40659.4 -203296.9 7800.4 -40297.3 -203658.9 2.70
4881 -60139.5 -300697.7 7800.4 -59894.5 -300942.8 1.83
4781 -19437.6 -97188.2 3438.2 -19296.3 -97329.6 2.44
4789 -11740.5 -58702.7 3438.2 -11507.2 -58936.0 4.02
MIN Cent -190693.2 -953466.1 -21707.6 -190075.9 -954083.4 -1.63
4889 -320651.5 -1603257.7 -32400.9 -319863.7 -1604045.5 -1.42
4881 -230844.2 -1154221.0 -32400.9 -229750.5 -1155314.7 -1.97
4781 -89044.7 -445223.7 -12501.9 -88606.5 -445662.0 -2.01
4789 -123217.2 -616086.0 -12501.9 -122900.3 -616402.9 -1.45

```

NODE Vxx Vyy

```

-----
MAX Cent 0.0 -299818.8
4889 -0.0 -248581.4
4881 -0.0 -351056.2
4781 0.0 -351056.2
4789 0.0 -248581.4
MIN Cent 0.0 -1471120.9
4889 -0.0 -1712079.7
4881 -0.0 -1230162.0
4781 0.0 -1230162.0
4789 0.0 -1712079.7

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
2043 3 5 env SL~1 MAX Cent 5529830.3 -622013.0 -19519.8 5529899.4 -717241.4 -0.19
4881 5529830.3 -554192.8 -19519.8 5529895.7 -860690.8 -0.18
4873 5529830.3 -553983.6 -19519.8 5529903.7 -573919.1 -0.20
4773 5529830.3 -553983.6 -19519.8 5529903.7 -573919.1 -0.20
4781 5529830.3 -554192.8 -19519.8 5529895.7 -860690.8 -0.18
MIN Cent -1365483.0 -1134766.2 -272978.7 -611578.1 -1424257.6 -74.40
4881 -1365483.0 -1516121.7 -272978.7 -547509.6 -1516216.2 -75.57
4873 -1365483.0 -753410.6 -272978.7 -674864.2 -1429643.6 -73.05
4773 -1365483.0 -753410.6 -272978.7 -674864.2 -1429643.6 -73.05
4781 -1365483.0 -1516121.7 -272978.7 -547509.6 -1516216.2 -75.57

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent -39046.0 -195230.1 1077.6 -39040.1 -195236.0 0.35
4881 -60139.5 -300697.7 815.8 -60137.5 -300699.8 0.17
4873 -57927.4 -289637.1 815.8 -57925.3 -289639.2 0.17
4773 -18679.5 -93397.3 1300.2 -18660.9 -93415.8 0.90
4781 -19437.6 -97188.2 1300.2 -19419.8 -97206.0 0.87
MIN Cent -159553.8 -797768.8 -5557.9 -159531.8 -797790.7 -0.34
4881 -230844.2 -1154221.0 -6197.2 -230833.6 -1154231.6 -0.19
4873 -229987.9 -1149939.5 -6197.2 -229977.2 -1149950.1 -0.20
4773 -89411.0 -447054.8 -4995.6 -89372.5 -447093.3 -0.59
4781 -89044.7 -445223.7 -4995.6 -89006.1 -445262.3 -0.60

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	-345082.2
4881	0.0	-351056.2
4873	0.0	-338831.4
4773	-0.0	-338831.4
4781	-0.0	-351056.2
MIN Cent	-0.0	-1224156.9
4881	0.0	-1230162.0
4873	0.0	-1218497.7
4773	-0.0	-1218497.7
4781	-0.0	-1230162.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2044	3	5	env SL~1	MAX Cent	5596824.3	-550734.3	-80289.8	5597952.0	-589870.8	-0.82
				4873	5596824.3	-548074.3	-80289.8	5597964.4	-587254.2	-0.83
				4865	5596824.3	-553394.3	-80289.8	5597939.8	-592487.5	-0.81
				4765	5596824.3	-553394.3	-80289.8	5597939.8	-592487.5	-0.81
				4773	5596824.3	-548074.3	-80289.8	5597964.4	-587254.2	-0.83
				MIN Cent	-1375747.2	-801909.3	-380797.9	-643390.3	-1454030.5	-71.90
				4873	-1375747.2	-741077.6	-380797.9	-660879.2	-1455945.6	-71.48
				4865	-1375747.2	-863722.1	-380797.9	-625820.3	-1452196.4	-72.29
				4765	-1375747.2	-863722.1	-380797.9	-625820.3	-1452196.4	-72.29
				4773	-1375747.2	-741077.6	-380797.9	-660879.2	-1455945.6	-71.48

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-37302.7	-186513.4	829.5	-37299.3	-186516.7	0.27
4873	-57927.4	-289637.1	2014.3	-57926.9	-289637.7	0.09
4865	-54821.8	-274109.2	2014.3	-54821.3	-274109.8	0.09
4765	-17782.0	-88909.8	1123.2	-17767.9	-88923.8	0.81
4773	-18679.5	-93397.3	1123.2	-18666.1	-93410.7	0.77
MIN Cent	-163766.9	-818834.6	-4319.5	-163766.9	-818834.6	-0.00
4873	-229987.9	-1149939.5	-4331.5	-229985.5	-1149941.9	0.09
4865	-242674.9	-1213374.6	-4331.5	-242672.6	-1213376.9	0.09
4765	-94009.5	-470047.3	-4284.6	-93999.4	-470057.3	-0.30
4773	-89411.0	-447054.8	-4284.6	-89400.4	-447065.4	-0.31

NODE	Vxx	Vyy

MAX Cent	0.0	-329300.1
4873	0.0	-338831.4
4865	0.0	-319768.9
4765	-0.0	-319768.9
4773	-0.0	-338831.4
MIN Cent	-0.0	-1252912.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

4873 0.0 -1218497.7
4865 0.0 -1287326.6
4765 -0.0 -1287326.6
4773 -0.0 -1218497.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2045	3	5	env SL~1	MAX Cent	5594984.1	-521046.5	-183331.0	5600958.8	-584324.8	-1.77
				4865	5594984.1	-552206.8	-183331.0	5600909.8	-614681.9	-1.75
				4857	5594984.1	-489886.3	-183331.0	5601008.6	-553987.9	-1.78
				4757	5594984.1	-489886.3	-183331.0	5601008.6	-553987.9	-1.78
				4765	5594984.1	-552206.8	-183331.0	5600909.8	-614681.9	-1.75
				MIN Cent	-1374768.8	-815187.8	-478871.7	-633387.5	-1458163.0	-71.46
				4865	-1374768.8	-864253.3	-478871.7	-620143.3	-1456699.3	-71.76
				4857	-1374768.8	-766122.4	-478871.7	-646584.1	-1459674.3	-71.15
				4757	-1374768.8	-766122.4	-478871.7	-646584.1	-1459674.3	-71.15
				4765	-1374768.8	-864253.3	-478871.7	-620143.3	-1456699.3	-71.76

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
------	-----	-----	-----	------	------	-------

MAX Cent	-36004.0	-180020.0	1279.7	-35994.7	-180029.3	0.46
4865	-54821.8	-274109.2	1171.1	-54816.8	-274114.3	0.27
4857	-53799.4	-268997.1	1171.1	-53794.3	-269002.2	0.28
4757	-17612.7	-88063.7	1365.3	-17590.9	-88085.6	1.01
4765	-17782.0	-88909.8	1365.3	-17760.3	-88931.4	1.00
MIN Cent	-171225.4	-856126.8	-4525.8	-171224.4	-856127.8	-0.07
4865	-242674.9	-1213374.6	-4642.3	-242674.9	-1213374.7	0.01
4857	-251648.1	-1258240.7	-4642.3	-251648.1	-1258240.7	0.01
4757	-97334.7	-486673.5	-4403.0	-97319.9	-486688.3	-0.35
4765	-94009.5	-470047.3	-4403.0	-93994.2	-470062.6	-0.37

NODE	Vxx	Vyy
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MAX Cent	0.0	-316086.0
4865	0.0	-319768.9
4857	0.0	-312403.0
4757	0.0	-312403.0
4765	0.0	-319768.9
MIN Cent	-0.0	-1311128.2
4865	-0.0	-1287326.6
4857	-0.0	-1334929.7
4757	-0.0	-1334929.7
4765	-0.0	-1287326.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2046	3	5	env SL~1	MAX Cent	5602536.6	-477722.7	-234249.0	5612243.9	-559104.2	-2.24

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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4857 5602536.6 -488153.4 -234249.0 5612267.4 -569186.4 -2.25
4849 5602536.6 -467292.1 -234249.0 5612220.5 -549024.8 -2.24
4749 5602536.6 -467292.1 -234249.0 5612220.5 -549024.8 -2.24
4757 5602536.6 -488153.4 -234249.0 5612267.4 -569186.4 -2.25
MIN Cent -1381912.8 -786099.5 -538806.0 -656367.6 -1478046.8 -70.00
4857 -1381912.8 -764958.8 -538806.0 -639028.2 -1475803.0 -70.43
4849 -1381912.8 -807240.1 -538806.0 -673610.6 -1480387.1 -69.55
4749 -1381912.8 -807240.1 -538806.0 -673610.6 -1480387.1 -69.55
4757 -1381912.8 -764958.8 -538806.0 -639028.2 -1475803.0 -70.43

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NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent -35361.6 -176807.9 1241.1 -35352.7 -176816.8 0.45
4857 -53799.4 -268997.1 1115.3 -53794.8 -269001.7 0.27
4849 -52627.7 -263138.7 1115.3 -52623.0 -263143.4 0.27
4749 -17406.4 -87032.1 1340.9 -17385.1 -87053.3 1.00
4757 -17612.7 -88063.7 1340.9 -17591.7 -88084.7 0.99
MIN Cent -176906.2 -884530.9 -4696.6 -176904.3 -884532.8 -0.09
4857 -251648.1 -1258240.7 -4910.6 -251648.1 -1258240.7 -0.02
4849 -259050.5 -1295252.4 -4910.6 -259050.4 -1295252.5 -0.01
4749 -100089.6 -500447.8 -4490.2 -100073.1 -500464.3 -0.37
4757 -97334.7 -486673.5 -4490.2 -97317.8 -486690.5 -0.38

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NODE   Vxx   Vyy
-----
MAX Cent 0.0 -308236.1
4857 -0.0 -312403.0
4849 -0.0 -304069.1
4749 0.0 -304069.1
4757 0.0 -312403.0
MIN Cent 0.0 -1354413.6
4857 -0.0 -1334929.7
4849 -0.0 -1373897.5
4749 0.0 -1373897.5
4757 0.0 -1334929.7

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```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2047 3 5 env SL~1 MAX Cent 5605613.7 -442727.8 -291387.4 5621480.1 -540208.4 -2.87
4849 5605613.7 -465892.3 -291387.4 5621405.2 -562452.3 -2.85
4841 5605613.7 -419563.3 -291387.4 5621555.7 -517981.4 -2.88
4741 5605613.7 -419563.3 -291387.4 5621555.7 -517981.4 -2.88
4749 5605613.7 -465892.3 -291387.4 5621405.2 -562452.3 -2.85
MIN Cent -1380080.6 -776027.7 -594835.9 -627116.9 -1496304.3 -68.55
4849 -1380080.6 -806837.2 -594835.9 -651590.2 -1500208.8 -67.90
4841 -1380080.6 -745218.3 -594835.9 -602428.9 -1492614.6 -69.17
4741 -1380080.6 -745218.3 -594835.9 -602428.9 -1492614.6 -69.17
4749 -1380080.6 -806837.2 -594835.9 -651590.2 -1500208.8 -67.90

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-33975.6	-169878.0	581.0	-33974.1	-169879.5	0.19
4849	-52627.7	-263138.7	77.3	-52627.7	-263138.7	-0.01
4841	-49473.9	-247369.7	77.3	-49473.9	-247369.7	-0.01
4741	-16394.3	-81971.4	1005.3	-16382.4	-81983.2	0.77
4749	-17406.4	-87032.1	1005.3	-17395.3	-87043.2	0.72
MIN Cent	-179956.7	-899783.6	-5069.1	-179949.2	-899791.0	-0.18
4849	-259050.5	-1295252.4	-5493.1	-259046.3	-1295256.7	-0.12
4841	-260366.8	-1301834.2	-5493.1	-260362.6	-1301838.4	-0.12
4741	-100664.7	-503323.4	-4682.8	-100640.2	-503347.8	-0.45
4749	-100089.6	-500447.8	-4682.8	-100065.0	-500472.4	-0.45

NODE	Vxx	Vyy
MAX Cent	-0.0	-294824.4
4849	-0.0	-304069.1
4841	-0.0	-285579.8
4741	0.0	-285579.8
4749	0.0	-304069.1
MIN Cent	-0.0	-1377012.0
4849	-0.0	-1373897.5
4841	-0.0	-1380126.6
4741	0.0	-1380126.6
4749	0.0	-1373897.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2048	3	5	env SL~1	MAX Cent	5624085.7	-366780.2	-255992.1	5642088.7	-469048.2	-3.07
				4841	5624085.7	-416525.4	-255992.1	5641922.3	-516697.4	-3.04
				4833	5624085.7	-317035.0	-255992.1	5642258.2	-421484.7	-3.10
				4733	5624085.7	-317035.0	-255992.1	5642258.2	-421484.7	-3.10
				4741	5624085.7	-416525.4	-255992.1	5641922.3	-516697.4	-3.04
				MIN Cent	-1363066.0	-678137.0	-597529.7	-569876.4	-1461930.7	-71.54
				4841	-1363066.0	-741302.6	-597529.7	-617520.1	-1467812.4	-70.45
				4833	-1363066.0	-614971.3	-597529.7	-521650.3	-1456590.5	-72.53
				4733	-1363066.0	-614971.3	-597529.7	-521650.3	-1456590.5	-72.53
				4741	-1363066.0	-741302.6	-597529.7	-617520.1	-1467812.4	-70.45

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-31183.0	-155915.2	619.5	-31181.0	-155917.2	0.23
4841	-49473.9	-247369.7	138.3	-49473.9	-247369.7	0.01
4833	-44159.2	-220796.1	138.3	-44159.2	-220796.1	0.01
4733	-14704.7	-73523.5	1024.4	-14690.9	-73537.4	0.88
4741	-16394.3	-81971.4	1024.4	-16381.9	-81983.8	0.79
MIN Cent	-179818.3	-899091.7	-5397.6	-179805.6	-899104.5	-0.24
4841	-260366.8	-1301834.2	-6006.6	-260357.0	-1301844.0	-0.18

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4833 -258411.3 -1292056.7 -6006.6 -258401.5 -1292066.6 -0.18
 4733 -100120.2 -500601.0 -4852.7 -100089.6 -500631.7 -0.50
 4741 -100664.7 -503323.4 -4852.7 -100634.2 -503353.9 -0.50

NODE Vxx Vyy

 MAX Cent 0.0 -269931.7

4841 -0.0 -285579.8
 4833 -0.0 -254283.5
 4733 0.0 -254283.5
 4741 0.0 -285579.8

MIN Cent -0.0 -1373883.3

4841 -0.0 -1380126.6
 4833 -0.0 -1367640.0
 4733 -0.0 -1367640.0
 4741 -0.0 -1380126.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

 2049 3 5 env SL~1 MAX Cent 5624023.8 -316246.1 -163399.7 5637351.3 -400350.8 -2.64

4833 5624023.8 -315013.7 -163399.7 5637477.3 -399163.3 -2.67
 4825 5624023.8 -317478.6 -163399.7 5637227.7 -401538.2 -2.62
 4725 5624023.8 -317478.6 -163399.7 5637227.7 -401538.2 -2.62
 4733 5624023.8 -315013.7 -163399.7 5637477.3 -399163.3 -2.67

MIN Cent -1352192.3 -674265.9 -521251.9 -564511.7 -1405855.6 -77.40

4833 -1352192.3 -614816.4 -521251.9 -563465.4 -1405688.2 -77.41
 4825 -1352192.3 -733715.4 -521251.9 -565557.8 -1406024.0 -77.38
 4725 -1352192.3 -733715.4 -521251.9 -565557.8 -1406024.0 -77.38
 4733 -1352192.3 -614816.4 -521251.9 -563465.4 -1405688.2 -77.41

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent -29543.4 -147717.1 1516.8 -29526.8 -147733.7 0.68

4833 -44159.2 -220796.1 1545.7 -44147.6 -220807.7 0.47
 4825 -44323.7 -221618.4 1545.7 -44312.1 -221630.0 0.46
 4725 -14986.1 -74930.4 1484.2 -14955.1 -74961.4 1.30
 4733 -14704.7 -73523.5 1484.2 -14673.1 -73555.1 1.33

MIN Cent -178723.5 -893617.4 -5503.1 -178710.6 -893630.2 -0.24

4833 -258411.3 -1292056.7 -6170.0 -258401.4 -1292066.6 -0.18
 4825 -256881.0 -1284405.2 -6170.0 -256871.1 -1284415.2 -0.18
 4725 -99608.5 -498042.5 -4909.0 -99587.5 -498063.5 -0.42
 4733 -100120.2 -500601.0 -4909.0 -100088.9 -500632.4 -0.51

NODE Vxx Vyy

 MAX Cent 0.0 -253778.9

4833 -0.0 -254283.5
 4825 -0.0 -253274.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4725 0.0 -253274.2
4733 0.0 -254283.5
MIN Cent -0.0 -1362694.3
4833 -0.0 -1367640.0
4825 -0.0 -1357748.5
4725 0.0 -1357748.5
4733 0.0 -1367640.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2050 3 5 env SL~1 MAX Cent 5628047.1 -268321.1 -118581.9 5644656.8 -336844.1 -2.95
4825 5628047.1 -315561.6 -118581.9 5644452.3 -382664.3 -2.92
4817 5628047.1 -221080.6 -118581.9 5644866.4 -291083.5 -2.99
4717 5628047.1 -221080.6 -118581.9 5644866.4 -291083.5 -2.99
4725 5628047.1 -315561.6 -118581.9 5644452.3 -382664.3 -2.92
MIN Cent -1353886.4 -655995.2 -460043.9 -590265.5 -1385049.3 -80.34
4825 -1353886.4 -732984.6 -460043.9 -583428.5 -1384759.9 -80.43
4817 -1353886.4 -619402.8 -460043.9 -597099.0 -1385343.5 -80.26
4717 -1353886.4 -619402.8 -460043.9 -597099.0 -1385343.5 -80.26
4725 -1353886.4 -732984.6 -460043.9 -583428.5 -1384759.9 -80.43

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -30341.3 -151706.6 1888.4 -30315.5 -151732.4 0.84
4825 -44323.7 -221618.4 2117.8 -44301.0 -221641.0 0.65
4817 -46197.0 -230984.9 2117.8 -46175.2 -231006.7 0.62
4717 -15858.5 -79292.5 1685.3 -15820.0 -79331.0 1.41
4725 -14986.1 -74930.4 1685.3 -14945.3 -74971.2 1.49
MIN Cent -175734.0 -878669.9 -5707.1 -175707.6 -878696.4 -0.35
4825 -256881.0 -1284405.2 -6489.0 -256854.9 -1284431.4 -0.29
4817 -249354.3 -1246771.5 -6489.0 -249327.4 -1246798.4 -0.30
4717 -97092.1 -485460.5 -5014.4 -97059.3 -485493.4 -0.53
4725 -99608.5 -498042.5 -5014.4 -99576.5 -498074.5 -0.51

NODE Vxx Vyy

MAX Cent -0.0 -257594.6
4825 -0.0 -253274.2
4817 -0.0 -261914.9
4717 0.0 -261914.9
4725 0.0 -253274.2
MIN Cent -0.0 -1336121.1
4825 -0.0 -1357748.5
4817 -0.0 -1314493.7
4717 0.0 -1314493.7
4725 0.0 -1357748.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2051	3	5	env SL~1	MAX Cent	5564679.3	-368332.2	-93507.2	5579077.0	-409897.6	-2.70
				4817	5564679.3	-225081.1	-93507.2	5579975.3	-269456.6	-2.86
				4809	5564679.3	-413365.5	-93507.2	5578278.1	-550667.9	-2.55
				4709	5564679.3	-413365.5	-93507.2	5578278.1	-550667.9	-2.55
				4717	5564679.3	-225081.1	-93507.2	5579975.3	-269456.6	-2.86
				MIN Cent	-1340387.4	-972839.9	-360873.5	-532313.4	-1355857.0	-82.89
				4817	-1340387.4	-616703.0	-360873.5	-602938.5	-1357565.9	-82.22
				4809	-1340387.4	-1354000.4	-360873.5	-461497.5	-1365305.2	-83.46
				4709	-1340387.4	-1354000.4	-360873.5	-461497.5	-1365305.2	-83.46
				4717	-1340387.4	-616703.0	-360873.5	-602938.5	-1357565.9	-82.22
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	-31001.2	-155005.8	1386.4	-30988.2	-155018.7	0.58
				4817	-46197.0	-230984.9	1367.5	-46188.5	-230993.4	0.39
				4809	-45881.9	-229409.4	1367.5	-45873.4	-229417.9	0.39
				4709	-16067.2	-80336.2	1391.1	-16042.2	-80361.2	1.13
				4717	-15858.5	-79292.5	1391.1	-15833.2	-79317.8	1.14
				MIN Cent	-173894.1	-869470.5	-4919.4	-173887.8	-869476.8	-0.17
				4817	-249354.3	-1246771.5	-5274.7	-249350.9	-1246774.9	-0.11
				4809	-251541.9	-1257709.3	-5274.7	-251538.5	-1257712.8	-0.11
				4709	-97588.2	-487940.8	-4589.7	-97574.8	-487954.2	-0.34
				4717	-97092.1	-485460.5	-4589.7	-97078.7	-485473.9	-0.34
				NODE	Vxx	Vyy				
				MAX Cent	-0.0	-259653.8				
				4817	0.0	-261914.9				
				4809	0.0	-257392.7				
				4709	0.0	-257392.7				
				4717	0.0	-261914.9				
				MIN Cent	-0.0	-1321795.2				
				4817	-0.0	-1314493.7				
				4809	-0.0	-1329096.7				
				4709	-0.0	-1329096.7				
				4717	-0.0	-1314493.7				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2052	3	5	env SL~1	MAX Cent	5762466.5	76754.7	72072.5	5880417.5	-40284.6	-8.11
				4809	5762466.5	-421620.0	72072.5	5858699.2	-558907.8	-6.63
				4801	5762466.5	1408271.0	72072.5	5914381.9	1256355.6	-10.40
				4701	5762466.5	1408271.0	72072.5	5914381.9	1256355.6	-10.40
				4709	5762466.5	-421620.0	72072.5	5858699.2	-558907.8	-6.63
				MIN Cent	-1382997.7	-757926.3	-827374.0	-750256.4	-1390667.5	83.72
				4809	-1382997.7	-1314710.5	-827374.0	-476217.0	-1407304.6	85.61

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4801 -1382997.7 -1034283.7 -827374.0 -1020881.8 -1396399.5 79.11
 4701 -1382997.7 -1034283.7 -827374.0 -1020881.8 -1396399.5 79.11
 4709 -1382997.7 -1314710.5 -827374.0 -476217.0 -1407304.6 85.61

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -23197.8 -115989.2 16128.9 -23077.2 -116109.9 -2.06
 4809 -45881.9 -229409.4 26645.3 -45683.4 -229607.9 -1.88
 4801 -23102.2 -115511.2 26645.3 -22709.3 -115904.1 -3.72
 4701 -7740.0 -38700.1 7081.9 -7704.9 -38735.3 -1.93
 4709 -16067.2 -80336.2 7081.9 -16050.3 -80353.1 -0.93
 MIN Cent -205089.2 -1025446.2 -4417.9 -204792.5 -1025742.9 1.09
 4809 -251541.9 -1257709.3 -7124.9 -250863.0 -1258388.2 1.49
 4801 -340146.6 -1700733.0 -7124.9 -339644.4 -1701235.2 1.10
 4701 -131080.3 -655401.6 -2094.6 -130998.7 -655483.2 0.71
 4709 -97588.2 -487940.8 -2094.6 -97478.6 -488050.4 0.96

NODE Vxx Vyy

MAX Cent 0.0 -195008.0
 4809 0.0 -257392.7
 4801 0.0 -132623.4
 4701 -0.0 -132623.4
 4709 -0.0 -257392.7
 MIN Cent 0.0 -1566992.7
 4809 -0.0 -1329096.7
 4801 -0.0 -1804888.7
 4701 -0.0 -1804888.7
 4709 -0.0 -1329096.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2053 3 5 env SL~1 MAX Cent 5708600.2 -192577.0 478100.5 5746912.5 -230889.4 4.59
 4789 5708600.2 786139.4 478100.5 5754402.1 740634.6 5.48
 4781 5708600.2 -588180.7 478100.5 5741518.2 -718293.6 3.95
 4681 5708600.2 -588180.7 478100.5 5741518.2 -718293.6 3.95
 4689 5708600.2 786139.4 478100.5 5754402.1 740634.6 5.48
 MIN Cent -1397523.2 -830553.9 -227193.8 -752306.4 -1475770.7 -70.80
 4789 -1397523.2 -1025885.3 -227193.8 -920130.5 -1503278.0 -64.80
 4781 -1397523.2 -1217933.1 -227193.8 -573922.7 -1458823.0 -74.74
 4681 -1397523.2 -1217933.1 -227193.8 -573922.7 -1458823.0 -74.74
 4689 -1397523.2 -1025885.3 -227193.8 -920130.5 -1503278.0 -64.80

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -6554.3 -32771.6 2762.4 -6291.6 -33034.2 5.69
 4789 -12212.4 -61061.9 3626.9 -11962.5 -61311.7 4.08
 4781 -19182.0 -95910.1 3626.9 -19022.5 -96069.6 2.61

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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4681 1001.9 5009.7 1998.9 5749.4 262.3 68.46
4689 4175.2 20876.0 1998.9 21083.7 3967.5 83.68
MIN Cent -71020.3 -355101.7 -9741.9 -70686.7 -355435.4 -1.96
4789 -121365.3 -606826.6 -13465.1 -120992.1 -607199.7 -1.59
4781 -90055.7 -450278.4 -13465.1 -89553.1 -450781.0 -2.14
4681 -30419.7 -152098.3 -6540.2 -30069.1 -152448.8 -3.07
4689 -42240.7 -211203.7 -6540.2 -41988.0 -211456.4 -2.21

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```

NODE Vxx Vyy
-----
MAX Cent 0.0 -156577.3
4789 0.0 -139907.4
4781 0.0 -173247.1
4681 0.0 -173247.1
4689 0.0 -139907.4
MIN Cent 0.0 -601098.7
4789 0.0 -685868.3
4781 0.0 -516329.2
4681 0.0 -516329.2
4689 0.0 -685868.3

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2054 3 5 env SL~1 MAX Cent 5553588.8 -617943.4 15704.8 5553612.2 -660116.2 0.11
4781 5553588.8 -581629.8 15704.8 5553611.4 -751349.3 0.10
4773 5553588.8 -542216.9 15704.8 5553613.1 -568955.8 0.11
4673 5553588.8 -542216.9 15704.8 5553613.1 -568955.8 0.11
4681 5553588.8 -581629.8 15704.8 5553611.4 -751349.3 0.10
MIN Cent -1364510.5 -1015180.7 -255522.9 -602519.7 -1427481.3 -73.96
4781 -1364510.5 -1248843.3 -255522.9 -568351.7 -1424778.8 -74.62
4773 -1364510.5 -781518.1 -255522.9 -636455.1 -1430416.4 -73.25
4673 -1364510.5 -781518.1 -255522.9 -636455.1 -1430416.4 -73.25
4681 -1364510.5 -1248843.3 -255522.9 -568351.7 -1424778.8 -74.62

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -9038.4 -45191.9 1281.6 -9001.7 -45228.6 1.82
4781 -19182.0 -95910.1 1254.3 -19165.5 -95926.6 0.84
4773 -18735.2 -93676.2 1254.3 -18718.3 -93693.2 0.86
4673 761.8 3808.9 1290.2 4200.0 370.6 71.36
4681 1001.9 5009.7 1290.2 5321.1 690.6 74.97
MIN Cent -60113.4 -300567.0 -4202.7 -60057.8 -300622.6 -0.87
4781 -90055.7 -450278.4 -4518.2 -90017.4 -450316.7 -0.59
4773 -89248.0 -446240.2 -4518.2 -89209.5 -446278.8 -0.60
4673 -30730.2 -153651.1 -3936.5 -30623.0 -153758.3 -1.69
4681 -30419.7 -152098.3 -3936.5 -30311.3 -152206.6 -1.71

```

```

NODE Vxx Vyy

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

-----
MAX Cent  -0.0 -170398.5
  4781    0.0 -173247.1
  4773    0.0 -167549.9
  4673    0.0 -167549.9
  4681    0.0 -173247.1
MIN Cent  -0.0 -511561.7
  4781   -0.0 -516329.2
  4773   -0.0 -506794.2
  4673   -0.0 -506794.2
  4681   -0.0 -516329.2

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2055  3  5 env SL~1 MAX Cent 5599028.1 -527037.9 -91467.1 5600645.4 -580124.0 -0.94
      4773 5599028.1 -537923.0 -91467.1 5600649.7 -590770.3 -0.95
      4765 5599028.1 -516152.8 -91467.1 5600641.1 -569479.8 -0.94
      4665 5599028.1 -516152.8 -91467.1 5600641.1 -569479.8 -0.94
      4673 5599028.1 -537923.0 -91467.1 5600649.7 -590770.3 -0.95
      MIN Cent -1370317.8 -789898.3 -378733.1 -618528.3 -1446316.4 -72.36
      4773 -1370317.8 -772506.8 -378733.1 -626689.8 -1447150.5 -72.18
      4765 -1370317.8 -807289.7 -378733.1 -610350.4 -1445498.5 -72.54
      4665 -1370317.8 -807289.7 -378733.1 -610350.4 -1445498.5 -72.54
      4673 -1370317.8 -772506.8 -378733.1 -626689.8 -1447150.5 -72.18

```

```

      NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -8780.1 -43900.4 1149.7 -8750.4 -43930.0 1.66
  4773 -18735.2 -93676.2 1067.9 -18723.5 -93688.0 0.72
  4765 -17780.0 -88900.2 1067.9 -17767.6 -88912.6 0.76
  4665  633.2  3166.0 1202.2 3559.2  240.0 69.87
  4673  761.8  3808.9 1202.2 4148.6  422.0 72.43
      MIN Cent -61698.1 -308490.4 -3686.1 -61675.0 -308513.4 -0.55
      4773 -89248.0 -446240.2 -3748.9 -89239.0 -446249.3 -0.29
      4765 -94026.8 -470134.1 -3748.9 -94018.2 -470142.7 -0.27
      4665 -32787.2 -163936.0 -3630.9 -32723.2 -164000.0 -1.26
      4673 -30730.2 -153651.1 -3630.9 -30662.0 -153719.4 -1.35

```

```

      NODE Vxx Vyy
-----
MAX Cent  0.0 -163049.9
  4773   -0.0 -167549.9
  4765   -0.0 -158549.8
  4665   -0.0 -158549.8
  4673   -0.0 -167549.9
      MIN Cent  -0.0 -518502.4
  4773   -0.0 -506794.2
  4765   -0.0 -530210.6
  4665   -0.0 -530210.6

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4673 -0.0 -506794.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2056	3	5	env SL~1	MAX Cent	5602527.2	-490961.6	-183729.9	5608764.9	-570657.5	-1.80
				4765	5602527.2	-514709.8	-183729.9	5608732.4	-593635.2	-1.79
				4757	5602527.2	-467213.5	-183729.9	5608797.7	-547694.4	-1.81
				4657	5602527.2	-467213.5	-183729.9	5608797.7	-547694.4	-1.81
				4665	5602527.2	-514709.8	-183729.9	5608732.4	-593635.2	-1.79
				MIN Cent	-1370980.1	-777340.3	-473538.1	-613989.4	-1454828.8	-71.59
				4765	-1370980.1	-806787.4	-473538.1	-603013.3	-1453630.4	-71.84
				4757	-1370980.1	-747893.3	-473538.1	-624933.9	-1456058.9	-71.34
				4657	-1370980.1	-747893.3	-473538.1	-624933.9	-1456058.9	-71.34
				4665	-1370980.1	-806787.4	-473538.1	-603013.3	-1453630.4	-71.84

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	-8634.3	-43171.4	1321.3	-8593.2	-43212.5	1.97
4765	-17780.0	-88900.2	1332.6	-17759.7	-88920.5	0.97
4757	-17617.8	-88088.9	1332.6	-17597.2	-88109.5	0.98
4657	227.5	1137.4	1294.6	1932.7	-567.8	55.67
4665	633.2	3166.0	1294.6	3620.0	179.2	68.70
MIN Cent	-64623.4	-323116.8	-3772.5	-64594.9	-323145.2	-0.60
4765	-94026.8	-470134.1	-3877.0	-94012.8	-470148.1	-0.35
4757	-97328.8	-486644.1	-3877.0	-97315.3	-486657.6	-0.34
4657	-34350.6	-171753.1	-3682.5	-34281.7	-171822.0	-1.28
4665	-32787.2	-163936.0	-3682.5	-32715.0	-164008.2	-1.34

NODE Vxx Vyy

MAX Cent	0.0	-156282.1
4765	-0.0	-158549.8
4757	-0.0	-154014.3
4657	0.0	-154014.3
4665	0.0	-158549.8
MIN Cent	-0.0	-537746.6
4765	-0.0	-530210.6
4757	-0.0	-545282.6
4657	0.0	-545282.6
4665	0.0	-530210.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2057	3	5	env SL~1	MAX Cent	5608003.8	-453498.1	-241876.5	5618550.1	-554050.4	-2.34
				4757	5608003.8	-465715.0	-241876.5	5618561.1	-565767.3	-2.34
				4749	5608003.8	-441281.2	-241876.5	5618539.1	-542338.3	-2.34
				4649	5608003.8	-441281.2	-241876.5	5618539.1	-542338.3	-2.34

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4657 5608003.8 -465715.0 -241876.5 5618561.1 -565767.3 -2.34
MIN Cent -1377031.9 -760188.9 -536550.5 -631709.4 -1473419.6 -70.22
4757 -1377031.9 -747207.2 -536550.5 -616733.9 -1471521.1 -70.58
4749 -1377031.9 -773170.7 -536550.5 -646616.3 -1475386.8 -69.85
4649 -1377031.9 -773170.7 -536550.5 -646616.3 -1475386.8 -69.85
4657 -1377031.9 -747207.2 -536550.5 -616733.9 -1471521.1 -70.58

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent -8732.9 -43664.4 1303.5 -8693.4 -43703.9 1.92
4757 -17617.8 -88088.9 1306.4 -17598.1 -88108.6 0.96
4749 -17383.4 -86916.8 1306.4 -17363.4 -86936.7 0.97
4649 -157.9 -789.5 1283.7 759.9 -1670.2 36.61
4657 227.5 1137.4 1283.7 1923.0 -558.1 55.76
MIN Cent -66860.2 -334300.9 -3833.2 -66830.2 -334330.8 -0.61
4757 -97328.8 -486644.1 -3973.1 -97313.0 -486659.9 -0.37
4749 -100057.4 -500287.2 -3973.1 -100042.0 -500302.6 -0.36
4649 -35703.8 -178519.1 -3712.8 -35634.8 -178588.1 -1.26
4657 -34350.6 -171753.1 -3712.8 -34278.9 -171824.8 -1.31

```

```

NODE   Vxx   Vyy
-----
MAX Cent -0.0 -151384.4
4757 0.0 -154014.3
4749 0.0 -148709.0
4649 -0.0 -148709.0
4657 -0.0 -154014.3
MIN Cent -0.0 -551407.1
4757 0.0 -545282.6
4749 0.0 -557588.5
4649 -0.0 -557588.5
4657 -0.0 -545282.6

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2058 3 5 env SL~1 MAX Cent 5611930.2 -419264.6 -287753.8 5628162.4 -536486.7 -2.91
4749 5611930.2 -439911.9 -287753.8 5628097.7 -556154.5 -2.90
4741 5611930.2 -398617.4 -287753.8 5628227.6 -516834.7 -2.92
4641 5611930.2 -398617.4 -287753.8 5628227.6 -516834.7 -2.92
4649 5611930.2 -439911.9 -287753.8 5628097.7 -556154.5 -2.90
MIN Cent -1375864.3 -747779.4 -587840.6 -610406.4 -1487717.5 -69.08
4749 -1375864.3 -772674.3 -587840.6 -629953.3 -1490648.7 -68.58
4741 -1375864.3 -722884.5 -587840.6 -590731.3 -1484914.5 -69.56
4641 -1375864.3 -722884.5 -587840.6 -590731.3 -1484914.5 -69.56
4649 -1375864.3 -772674.3 -587840.6 -629953.3 -1490648.7 -68.58

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent -8515.5 -42577.4 1068.3 -8489.6 -42603.2 1.58
4749 -17383.4 -86916.8 936.5 -17374.0 -86926.1 0.67
4741 -16391.8 -81959.0 936.5 -16381.8 -81968.9 0.71
4641 -128.9 -644.3 1164.2 713.1 -1452.5 37.05
4649 -157.9 -789.5 1164.2 645.9 -1555.1 35.80
MIN Cent -68145.4 -340726.9 -3968.8 -68107.1 -340765.1 -0.68
4749 -100057.4 -500287.2 -4184.8 -100033.3 -500311.4 -0.45
4741 -100648.9 -503244.6 -4184.8 -100624.9 -503268.6 -0.44
4641 -36171.3 -180856.5 -3783.1 -36094.0 -180933.8 -1.32
4649 -35703.8 -178519.1 -3783.1 -35625.5 -178597.4 -1.34

```

NODE Vxx Vyy

```

-----
MAX Cent 0.0 -144554.2
4749 0.0 -148709.0
4741 0.0 -140399.3
4641 -0.0 -140399.3
4649 -0.0 -148709.0
MIN Cent 0.0 -558103.8
4749 0.0 -557588.5
4741 0.0 -558619.1
4641 -0.0 -558619.1
4649 -0.0 -557588.5

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
2059 3 5 env SL~1 MAX Cent 5626953.7 -353450.0 -252623.8 5645258.8 -475381.8 -3.11
4741 5626953.7 -395984.8 -252623.8 5645122.5 -515798.5 -3.08
4733 5626953.7 -310915.2 -252623.8 5645397.1 -435037.3 -3.13
4633 5626953.7 -310915.2 -252623.8 5645397.1 -435037.3 -3.13
4641 5626953.7 -395984.8 -252623.8 5645122.5 -515798.5 -3.08
MIN Cent -1361168.2 -667439.5 -589845.5 -563410.8 -1455941.0 -71.89
4741 -1361168.2 -719670.9 -589845.5 -606589.2 -1460861.8 -70.92
4733 -1361168.2 -615208.0 -589845.5 -519774.8 -1451419.1 -72.77
4633 -1361168.2 -615208.0 -589845.5 -519774.8 -1451419.1 -72.77
4641 -1361168.2 -719670.9 -589845.5 -606589.2 -1460861.8 -70.92

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent -7840.4 -39202.1 1081.7 -7811.5 -39231.1 1.74
4741 -16391.8 -81959.0 957.7 -16381.3 -81969.5 0.73
4733 -14729.2 -73646.2 957.7 -14717.5 -73657.9 0.81
4633 -111.8 -559.1 1170.9 763.2 -1400.6 37.90
4641 -128.9 -644.3 1170.9 719.6 -1459.4 37.09
MIN Cent -68340.8 -341704.2 -4088.1 -68296.4 -341748.6 -0.73
4741 -100648.9 -503244.6 -4371.6 -100618.3 -503275.2 -0.50
4733 -100123.5 -500617.3 -4371.6 -100092.7 -500648.1 -0.50
4633 -36419.6 -182098.2 -3844.6 -36336.7 -182181.2 -1.37
4641 -36171.3 -180856.5 -3844.6 -36087.8 -180940.0 -1.38

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	-133296.4
4741	0.0	-140399.3
4733	0.0	-126193.5
4633	0.0	-126193.5
4641	0.0	-140399.3
MIN Cent	-0.0	-555238.8
4741	-0.0	-558619.1
4733	-0.0	-551858.5
4633	-0.0	-551858.5
4641	-0.0	-558619.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2060	3	5	env SL~1	MAX Cent	5628992.0	-304138.4	-164959.0	5643792.9	-408346.7	-2.79
				4733	5628992.0	-308942.7	-164959.0	5643879.9	-412936.9	-2.81
				4725	5628992.0	-299334.1	-164959.0	5643707.0	-403757.4	-2.77
				4625	5628992.0	-299334.1	-164959.0	5643707.0	-403757.4	-2.77
				4633	5628992.0	-308942.7	-164959.0	5643879.9	-412936.9	-2.81
				MIN Cent	-1350804.8	-649818.2	-520282.1	-557220.6	-1404717.5	-77.39
				4733	-1350804.8	-614503.2	-520282.1	-558821.5	-1404630.1	-77.36
				4725	-1350804.8	-685133.3	-520282.1	-555619.4	-1404805.1	-77.41
				4625	-1350804.8	-685133.3	-520282.1	-555619.4	-1404805.1	-77.41
				4633	-1350804.8	-614503.2	-520282.1	-558821.5	-1404630.1	-77.36

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-7624.0	-38120.1	1404.7	-7570.6	-38173.5	2.39
4733	-14729.2	-73646.2	1463.8	-14698.8	-73676.6	1.30
4725	-14981.8	-74908.8	1463.8	-14951.9	-74938.7	1.28
4625	-673.3	-3366.4	1336.9	-173.5	-3828.8	21.72
4633	-111.8	-559.1	1336.9	924.7	-1564.0	38.75
MIN Cent	-68177.7	-340888.5	-4128.4	-68132.4	-340933.8	-0.74
4733	-100123.5	-500617.3	-4433.1	-100091.9	-500648.9	-0.51
4725	-99605.5	-498027.4	-4433.1	-99583.9	-498049.0	-0.42
4625	-36578.3	-182891.5	-3867.0	-36494.9	-182974.9	-1.37
4633	-36419.6	-182098.2	-3867.0	-36335.8	-182182.0	-1.37

NODE	Vxx	Vyy

MAX Cent	0.0	-124860.0
4733	0.0	-126193.5
4725	0.0	-123526.5
4625	-0.0	-123526.5
4633	-0.0	-126193.5
MIN Cent	-0.0	-549145.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

4733 0.0 -551858.5
4725 0.0 -546431.6
4625 -0.0 -546431.6
4633 -0.0 -551858.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2061 3 5 env SL~1 MAX Cent 5627796.3 -269886.9 -120789.9 5644553.0 -354744.7 -2.97
4725 5627796.3 -297964.0 -120789.9 5644471.1 -381783.2 -2.95
4717 5627796.3 -241809.8 -120789.9 5644635.8 -327731.1 -2.98
4617 5627796.3 -241809.8 -120789.9 5644635.8 -327731.1 -2.98
4625 5627796.3 -297964.0 -120789.9 5644471.1 -381783.2 -2.95
MIN Cent -1350226.7 -655115.1 -453944.3 -571754.3 -1381794.5 -80.39
4725 -1350226.7 -685345.2 -453944.3 -572817.5 -1381825.4 -80.38
4717 -1350226.7 -624885.1 -453944.3 -570690.9 -1381763.7 -80.40
4617 -1350226.7 -624885.1 -453944.3 -570690.9 -1381763.7 -80.40
4625 -1350226.7 -685345.2 -453944.3 -572817.5 -1381825.4 -80.38

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -8254.7 -41273.4 1546.5 -8193.8 -41334.2 2.46
4725 -14981.8 -74908.8 1683.5 -14941.3 -74949.3 1.49
4717 -15895.2 -79476.2 1683.5 -15857.1 -79514.4 1.40
4617 -1468.4 -7342.0 1412.3 -1183.0 -7610.2 12.61
4625 -673.3 -3366.4 1412.3 -120.9 -3880.0 22.50
MIN Cent -67224.0 -336119.8 -4200.2 -67164.8 -336179.0 -0.85
4725 -99605.5 -498027.4 -4549.2 -99571.6 -498061.3 -0.53
4717 -96948.8 -484744.2 -4549.2 -96914.0 -484779.0 -0.54
4617 -35917.3 -179586.3 -3900.1 -35820.0 -179683.6 -1.49
4625 -36578.3 -182891.5 -3900.1 -36482.8 -182987.0 -1.46

NODE Vxx Vyy

MAX Cent -0.0 -124037.4
4725 0.0 -123526.5
4717 0.0 -124548.2
4617 0.0 -124548.2
4625 0.0 -123526.5
MIN Cent -0.0 -537502.1
4725 -0.0 -546431.6
4717 -0.0 -528572.6
4617 0.0 -528572.6
4625 0.0 -546431.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2062 3 5 env SL~1 MAX Cent 5586410.0 -329106.0 -87670.0 5606110.3 -390850.1 -3.17

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4717 5586410.0 -244178.6 -87670.0 5606839.2 -308321.7 -3.29
4709 5586410.0 -414033.4 -87670.0 5605431.6 -473547.1 -3.06
4609 5586410.0 -414033.4 -87670.0 5605431.6 -473547.1 -3.06
4617 5586410.0 -244178.6 -87670.0 5606839.2 -308321.7 -3.29
MIN Cent -1340979.8 -862435.3 -371707.0 -536724.0 -1354981.8 -83.30
4717 -1340979.8 -633177.9 -371707.0 -579392.6 -1355894.1 -82.92
4709 -1340979.8 -1091692.8 -371707.0 -493993.5 -1354157.9 -83.63
4609 -1340979.8 -1091692.8 -371707.0 -493993.5 -1354157.9 -83.63
4617 -1340979.8 -633177.9 -371707.0 -579392.6 -1355894.1 -82.92

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent -8794.8 -43974.1 1337.6 -8753.4 -44015.5 1.96
4717 -15895.2 -79476.2 1365.6 -15871.2 -79500.3 1.11
4709 -15862.1 -79310.6 1365.6 -15838.0 -79334.7 1.12
4609 -1953.5 -9767.6 1295.6 -1774.4 -9937.5 9.05
4617 -1468.4 -7342.0 1295.6 -1231.0 -7564.7 11.69
MIN Cent -66908.3 -334541.7 -3908.6 -66885.5 -334564.6 -0.53
4717 -96948.8 -484744.2 -4084.4 -96935.4 -484757.6 -0.34
4709 -98437.0 -492185.2 -4084.4 -98423.8 -492198.4 -0.33
4609 -36662.8 -183314.1 -3758.3 -36591.3 -183385.7 -1.27
4617 -35917.3 -179586.3 -3758.3 -35844.2 -179659.3 -1.29

```

```

NODE   Vxx   Vyy
-----
MAX Cent 0.0 -122311.3
4717 0.0 -124548.2
4709 0.0 -120074.3
4609 0.0 -120074.3
4617 0.0 -124548.2
MIN Cent -0.0 -531532.6
4717 -0.0 -528572.6
4709 -0.0 -534492.6
4609 -0.0 -534492.6
4617 -0.0 -528572.6

```

```

ELEM  MAT  SEC  LC  NODE  Fxx  Fyy  Fxy  Fmax  Fmin  ANGLE
-----
2063  3    5  env SL~1 MAX Cent 5741630.2 -16770.9 36631.0 5821119.5 -91446.8 -6.65
4709 5741630.2 -401540.0 36631.0 5809879.3 -464328.9 -5.72
4701 5741630.2 947037.6 36631.0 5836707.6 851960.2 -7.94
4601 5741630.2 947037.6 36631.0 5836707.6 851960.2 -7.94
4609 5741630.2 -401540.0 36631.0 5809879.3 -464328.9 -5.72
MIN Cent -1379152.0 -738697.7 -681833.6 -736841.1 -1381008.6 86.92
4709 -1379152.0 -1060841.4 -681833.6 -510806.7 -1380525.3 87.72
4701 -1379152.0 -965215.4 -681833.6 -962354.3 -1382013.1 85.26
4601 -1379152.0 -965215.4 -681833.6 -962354.3 -1382013.1 85.26
4609 -1379152.0 -1060841.4 -681833.6 -510806.7 -1380525.3 87.72

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-6329.4	-31647.0	4269.7	-6322.6	-31653.8	-0.94
4709	-15862.1	-79310.6	8008.9	-15834.8	-79337.8	-1.19
4701	-7995.9	-39979.3	8008.9	-7941.8	-40033.3	-2.35
4601	493.9	2469.6	1046.3	2526.6	436.9	80.50
4609	-1953.5	-9767.6	1046.3	-1938.7	-9782.3	2.49
MIN Cent	-78335.6	-391678.2	-1987.5	-78291.4	-391722.5	0.68
4709	-98437.0	-492185.2	-2332.0	-98295.3	-492326.9	1.09
4701	-129848.7	-649243.5	-2332.0	-129741.3	-649351.0	0.82
4601	-48563.4	-242817.0	-2705.4	-48563.4	-242817.0	-0.02
4609	-36662.8	-183314.1	-2705.4	-36662.8	-183314.2	-0.02

NODE	Vxx	Vyy
MAX Cent	0.0	-96683.7
4709	0.0	-120074.3
4701	0.0	-73293.1
4601	-0.0	-73293.1
4609	-0.0	-120074.3
MIN Cent	0.0	-618254.3
4709	0.0	-534492.6
4701	0.0	-702016.0
4601	-0.0	-702016.0
4609	-0.0	-534492.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2064	3	5	env SL~1	MAX Cent	5700529.5	-232930.1	367794.4	5723145.8	-255388.2	3.53
				4689	5700529.5	518482.7	367794.4	5726390.6	492954.9	4.03
				4681	5700529.5	-598718.8	367794.4	5720622.3	-631401.6	3.13
				4581	5700529.5	-598718.8	367794.4	5720622.3	-631401.6	3.13
				4589	5700529.5	518482.7	367794.4	5726390.6	492954.9	4.03
				MIN Cent	-1385115.0	-768512.6	-195318.4	-713627.0	-1440000.6	-74.04
				4689	-1385115.0	-891935.2	-195318.4	-826016.4	-1451033.7	-71.05
				4681	-1385115.0	-1029303.3	-195318.4	-598252.1	-1431952.9	-76.29
				4581	-1385115.0	-1029303.3	-195318.4	-598252.1	-1431952.9	-76.29
				4589	-1385115.0	-891935.2	-195318.4	-826016.4	-1451033.7	-71.05

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	7800.7	39003.5	1505.3	39076.0	7728.3	87.24
4689	3947.9	19739.4	1888.2	19933.9	3753.4	83.71
4681	1105.9	5529.4	1888.2	6146.2	489.0	70.72
4581	12234.6	61172.9	1151.3	61200.0	12207.5	88.65
4589	13988.2	69941.0	1151.3	69964.7	13964.5	88.82
MIN Cent	-20628.4	-103142.1	-5761.3	-20228.1	-103542.4	-3.97
4689	-41367.4	-206837.2	-7003.8	-41071.5	-207133.1	-2.42

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4681 -30823.2 -154116.0 -7003.8 -30426.6 -154512.6 -3.24
 4581 -3256.1 -16280.7 -4699.0 -1737.8 -17799.0 -17.91
 4589 -7066.9 -35334.5 -4699.0 -6306.2 -36095.1 -9.20

NODE Vxx Vyy

 MAX Cent -0.0 -88387.0

4689 0.0 -83379.7
 4681 0.0 -93394.3
 4581 -0.0 -93394.3
 4589 -0.0 -83379.7

MIN Cent -0.0 -268673.0

4689 0.0 -298030.0
 4681 0.0 -247678.4
 4581 -0.0 -247678.4
 4589 -0.0 -298030.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

 2065 3 5 env SL~1 MAX Cent 5572901.9 -579371.6 46143.8 5573174.4 -607346.3 0.37

4681 5572901.9 -594298.5 46143.8 5573168.7 -666269.1 0.36
 4673 5572901.9 -519771.0 46143.8 5573180.3 -548457.6 0.38
 4573 5572901.9 -519771.0 46143.8 5573180.3 -548457.6 0.38
 4581 5572901.9 -594298.5 46143.8 5573168.7 -666269.1 0.36

MIN Cent -1362615.4 -917741.3 -257651.7 -597722.3 -1420907.9 -74.57

4681 -1362615.4 -1054718.5 -257651.7 -583371.2 -1419834.3 -74.84
 4673 -1362615.4 -780764.2 -257651.7 -612035.3 -1422019.5 -74.29
 4573 -1362615.4 -780764.2 -257651.7 -612035.3 -1422019.5 -74.29
 4581 -1362615.4 -1054718.5 -257651.7 -583371.2 -1419834.3 -74.84

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent 6369.8 31849.1 1013.8 31889.4 6329.5 87.73

4681 1105.9 5529.4 1099.5 5732.4 902.8 78.17
 4673 739.9 3699.7 1099.5 3988.8 450.8 73.39
 4573 11466.7 57333.7 917.4 57352.0 11448.4 88.85
 4581 12234.6 61172.9 917.4 61190.1 12217.4 88.93

MIN Cent -17157.4 -85786.8 -3790.3 -16948.7 -85995.5 -3.15

4681 -30823.2 -154116.0 -3794.2 -30708.4 -154230.7 -1.75
 4673 -30666.9 -153334.5 -3794.2 -30551.6 -153449.8 -1.76
 4573 -3883.2 -19416.1 -3838.6 -2986.4 -20312.9 -13.15
 4581 -3256.1 -16280.7 -3838.6 -2209.0 -17327.8 -15.26

NODE Vxx Vyy

 MAX Cent -0.0 -91735.1

4681 0.0 -93394.3
 4673 0.0 -90075.9

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4573 -0.0 -90075.9
 4581 -0.0 -93394.3
 MIN Cent -0.0 -242141.7
 4681 -0.0 -247678.4
 4673 -0.0 -236605.0
 4573 -0.0 -236605.0
 4581 -0.0 -247678.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2066	3	5	env SL~1	MAX Cent 5603225.3	-499536.7	-86456.3	5604795.7	-558156.5	-0.91	
				4673 5603225.3	-516577.6	-86456.3	5604793.5	-574783.8	-0.91	
				4665 5603225.3	-482495.8	-86456.3	5604797.8	-541535.0	-0.91	
				4565 5603225.3	-482495.8	-86456.3	5604797.8	-541535.0	-0.91	
				4573 5603225.3	-516577.6	-86456.3	5604793.5	-574783.8	-0.91	
				MIN Cent -1365274.2	-767918.8	-370348.8	-601892.6	-1432690.7	-73.45	
				4673 -1365274.2	-774771.3	-370348.8	-604338.0	-1432907.3	-73.40	
				4665 -1365274.2	-761066.4	-370348.8	-599445.9	-1432475.3	-73.50	
				4565 -1365274.2	-761066.4	-370348.8	-599445.9	-1432475.3	-73.50	
				4573 -1365274.2	-774771.3	-370348.8	-604338.0	-1432907.3	-73.40	

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	5884.2	29420.9	949.1	29459.1	5846.0	87.69
4673	739.9	3699.7	1006.0	3939.9	499.7	74.68
4665	634.0	3170.2	1006.0	3443.7	360.4	72.67
4565	10764.2	53820.9	876.3	53838.7	10746.4	88.83
4573	11466.7	57333.7	876.3	57350.4	11450.0	88.91
MIN Cent	-18129.9	-90649.7	-3474.2	-17984.2	-90795.5	-2.56
4673	-30666.9	-153334.5	-3465.4	-30595.1	-153406.3	-1.39
4665	-32793.8	-163968.9	-3465.4	-32726.6	-164036.0	-1.30
4565	-5175.9	-25879.5	-3517.9	-4594.5	-26461.0	-9.38
4573	-3883.2	-19416.1	-3517.9	-3123.6	-20175.6	-12.18

NODE	Vxx	Vyy
MAX Cent	-0.0	-87640.9
4673	-0.0	-90075.9
4665	-0.0	-85206.0
4565	0.0	-85206.0
4573	0.0	-90075.9
MIN Cent	-0.0	-235932.5
4673	-0.0	-236605.0
4665	-0.0	-239415.5
4565	-0.0	-239415.5
4573	-0.0	-236605.0

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2067	3	5	env SL~1	MAX Cent	5609464.9	-461989.7	-174557.4	5615285.0	-548172.7	-1.74
				4665	5609464.9	-480993.9	-174557.4	5615265.0	-566506.2	-1.73
				4657	5609464.9	-442985.5	-174557.4	5615305.1	-529849.5	-1.75
				4557	5609464.9	-442985.5	-174557.4	5615305.1	-529849.5	-1.75
				4565	5609464.9	-480993.9	-174557.4	5615265.0	-566506.2	-1.73
				MIN Cent	-1366957.6	-742462.0	-457227.6	-601197.3	-1443486.1	-72.46
				4665	-1366957.6	-760048.1	-457227.6	-591419.9	-1442521.3	-72.66
				4657	-1366957.6	-724875.9	-457227.6	-610952.2	-1444473.6	-72.24
				4557	-1366957.6	-724875.9	-457227.6	-610952.2	-1444473.6	-72.24
				4565	-1366957.6	-760048.1	-457227.6	-591419.9	-1442521.3	-72.66
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	5377.5	26887.7	1014.6	26935.4	5329.8	87.31
				4665	634.0	3170.2	1107.0	3503.0	301.2	71.19
				4657	225.8	1128.8	1107.0	1753.8	-399.2	57.40
				4557	9955.5	49777.3	911.4	49798.1	9934.6	88.69
				4565	10764.2	53820.9	911.4	53840.2	10744.9	88.79
				MIN Cent	-19652.4	-98262.1	-3513.4	-19506.9	-98407.6	-2.46
				4665	-32793.8	-163968.9	-3520.9	-32717.4	-164045.2	-1.38
				4657	-34348.4	-171741.8	-3520.9	-34275.5	-171814.7	-1.32
				4557	-6291.6	-31458.2	-3594.0	-5788.5	-31961.4	-7.97
				4565	-5175.9	-25879.5	-3594.0	-4569.8	-26485.7	-9.57
				NODE	Vxx	Vyy				
				MAX Cent	0.0	-83608.0				
				4665	0.0	-85206.0				
				4657	0.0	-82010.0				
				4557	0.0	-82010.0				
				4565	0.0	-85206.0				
				MIN Cent	0.0	-241204.8				
				4665	0.0	-239415.5				
				4657	0.0	-242994.0				
				4557	0.0	-242994.0				
				4565	0.0	-239415.5				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2068	3	5	env SL~1	MAX Cent	5613683.7	-428938.0	-236946.6	5623968.8	-537153.8	-2.32
				4657	5613683.7	-441663.4	-236946.6	5623971.4	-549317.9	-2.32
				4649	5613683.7	-416212.5	-236946.6	5623966.2	-524995.4	-2.32
				4549	5613683.7	-416212.5	-236946.6	5623966.2	-524995.4	-2.32
				4557	5613683.7	-441663.4	-236946.6	5623971.4	-549317.9	-2.32
				MIN Cent	-1372330.1	-733254.8	-522075.6	-616045.4	-1460873.3	-71.11
				4657	-1372330.1	-724507.6	-522075.6	-602551.6	-1459321.2	-71.42

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4649 -1372330.1 -742002.1 -522075.6 -629488.8 -1462475.7 -70.79
 4549 -1372330.1 -742002.1 -522075.6 -629488.8 -1462475.7 -70.79
 4557 -1372330.1 -724507.6 -522075.6 -602551.6 -1459321.2 -71.42

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 4779.3 23896.5 1006.8 23949.4 4726.4 86.99
 4657 225.8 1128.8 1095.4 1743.6 -389.0 57.53
 4649 -149.7 -748.4 1095.4 600.1 -1460.3 35.65
 4549 9156.7 45783.5 906.8 45805.9 9134.3 88.58
 4557 9955.5 49777.3 906.8 49797.9 9934.8 88.70
 MIN Cent -20915.1 -104575.4 -3533.9 -20774.8 -104715.7 -2.34
 4657 -34348.4 -171741.8 -3554.4 -34272.3 -171817.8 -1.35
 4649 -35692.4 -178461.9 -3554.4 -35619.2 -178535.2 -1.30
 4549 -7327.9 -36639.7 -3615.9 -6888.5 -37079.2 -6.93
 4557 -6291.6 -31458.2 -3615.9 -5782.4 -31967.5 -8.02

NODE Vxx Vyy

MAX Cent -0.0 -80314.0
 4657 -0.0 -82010.0
 4649 -0.0 -78618.0
 4549 0.0 -78618.0
 4557 0.0 -82010.0
 MIN Cent -0.0 -244218.1
 4657 -0.0 -242994.0
 4649 -0.0 -245442.3
 4549 0.0 -245442.3
 4557 0.0 -242994.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2069 3 5 env SL~1 MAX Cent 5617840.0 -396611.6 -272213.1 5633227.3 -521198.8 -2.85
 4649 5617840.0 -414919.5 -272213.1 5633175.6 -538581.5 -2.84
 4641 5617840.0 -378303.7 -272213.1 5633279.3 -503829.3 -2.85
 4541 5617840.0 -378303.7 -272213.1 5633279.3 -503829.3 -2.85
 4549 5617840.0 -414919.5 -272213.1 5633175.6 -538581.5 -2.84
 MIN Cent -1371840.9 -721765.5 -569710.6 -602084.3 -1471898.8 -70.17
 4649 -1371840.9 -741542.5 -569710.6 -617441.7 -1473935.7 -69.80
 4641 -1371840.9 -701988.4 -569710.6 -586656.1 -1469932.7 -70.53
 4541 -1371840.9 -701988.4 -569710.6 -586656.1 -1469932.7 -70.53
 4549 -1371840.9 -741542.5 -569710.6 -617441.7 -1473935.7 -69.80

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 4373.7 21868.6 922.9 21917.2 4325.2 86.99
 4649 -149.7 -748.4 963.6 476.1 -1335.0 34.47
 4641 -128.1 -640.4 963.6 523.6 -1256.5 35.55

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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4541 8688.6 43443.2 864.2 43464.7 8667.2 88.58
4549 9156.7 45783.5 864.2 45803.9 9136.3 88.65
MIN Cent -21769.3 -108846.5 -3583.4 -21623.0 -108992.8 -2.35
4649 -35692.4 -178461.9 -3631.6 -35608.6 -178545.7 -1.39
4641 -36165.1 -180825.7 -3631.6 -36082.5 -180908.3 -1.37
4541 -7891.7 -39458.6 -3689.4 -7466.3 -39884.1 -6.58
4549 -7327.9 -36639.7 -3689.4 -6870.7 -37097.0 -7.06

```

NODE Vxx Vyy

```

MAX Cent 0.0 -76574.2
4649 0.0 -78618.0
4641 0.0 -74530.5
4541 0.0 -74530.5
4549 0.0 -78618.0
MIN Cent 0.0 -245007.3
4649 0.0 -245442.3
4641 0.0 -244572.3
4541 -0.0 -244572.3
4549 -0.0 -245442.3

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2070 3 5 env SL~1 MAX Cent 5630219.9 -339444.2 -236632.3 5647566.3 -468356.2 -3.04
4641 5630219.9 -376017.0 -236632.3 5647460.1 -503001.1 -3.02
4633 5630219.9 -302871.4 -236632.3 5647673.8 -433767.4 -3.05
4533 5630219.9 -302871.4 -236632.3 5647673.8 -433767.4 -3.05
4541 5630219.9 -376017.0 -236632.3 5647460.1 -503001.1 -3.02
MIN Cent -1359207.2 -654779.3 -571191.2 -563651.7 -1442269.2 -72.90
4641 -1359207.2 -699309.0 -571191.2 -602981.8 -1446074.5 -72.06
4633 -1359207.2 -610249.6 -571191.2 -523981.7 -1438738.1 -73.66
4533 -1359207.2 -610249.6 -571191.2 -523981.7 -1438738.1 -73.66
4541 -1359207.2 -699309.0 -571191.2 -602981.8 -1446074.5 -72.06

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 4054.9 20274.6 927.8 20327.5 4002.0 86.74
4641 -128.1 -640.4 971.0 530.6 -1264.1 35.62
4633 -120.2 -601.2 971.0 550.5 -1236.1 36.06
4533 7852.5 39262.7 866.9 39286.6 7828.6 88.42
4541 8688.6 43443.2 866.9 43464.8 8667.0 88.57
MIN Cent -22285.9 -111429.7 -3664.7 -22135.5 -111580.1 -2.35
4641 -36165.1 -180825.7 -3699.3 -36075.3 -180915.5 -1.43
4633 -36422.1 -182110.5 -3699.3 -36332.9 -182199.6 -1.42
4533 -8664.8 -43324.1 -3734.9 -8266.9 -43722.0 -6.08
4541 -7891.7 -39458.6 -3734.9 -7455.9 -39894.5 -6.66

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

-----
MAX Cent  0.0 -71015.0
  4641  0.0 -74530.5
  4633  0.0 -67499.5
  4533 -0.0 -67499.5
  4541 -0.0 -74530.5
MIN Cent  -0.0 -242256.5
  4641  0.0 -244572.3
  4633  0.0 -239940.8
  4533 -0.0 -239940.8
  4541 -0.0 -244572.3

```

```

ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
2071   3    5 env SL~1 MAX Cent 5633297.1 -293148.0 -152994.1 5648122.6 -405197.0 -2.80
      4633 5633297.1 -301019.6 -152994.1 5648176.3 -412692.9 -2.81
      4625 5633297.1 -285276.4 -152994.1 5648069.2 -397703.5 -2.79
      4525 5633297.1 -285276.4 -152994.1 5648069.2 -397703.5 -2.79
      4533 5633297.1 -301019.6 -152994.1 5648176.3 -412692.9 -2.81
MIN Cent -1349203.8 -628604.1 -506665.7 -554384.8 -1396787.6 -78.22
      4633 -1349203.8 -609202.6 -506665.7 -558953.7 -1396797.2 -78.15
      4625 -1349203.8 -648005.6 -506665.7 -549813.6 -1396778.1 -78.28
      4525 -1349203.8 -648005.6 -506665.7 -549813.6 -1396778.1 -78.28
      4533 -1349203.8 -609202.6 -506665.7 -558953.7 -1396797.2 -78.15

```

```

      NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent  3496.1 17480.3 1044.8 17557.9 3418.4 85.75
      4633 -120.2 -601.2 1153.7 725.7 -1413.6 37.41
      4625 -673.5 -3367.5 1153.7 -295.2 -3713.2 19.62
      4525 6994.6 34973.2 927.6 35003.9 6963.9 88.10
      4533 7852.5 39262.7 927.6 39290.1 7825.2 88.31
MIN Cent -22728.8 -113643.9 -3677.5 -22580.3 -113792.4 -2.31
      4633 -36422.1 -182110.5 -3723.6 -36332.0 -182200.5 -1.42
      4625 -36571.4 -182856.9 -3723.6 -36481.7 -182946.7 -1.42
      4525 -9256.8 -46284.1 -3742.9 -8882.3 -46658.7 -5.71
      4533 -8664.8 -43324.1 -3742.9 -8265.2 -43723.7 -6.09

```

```

      NODE   Vxx   Vyy
-----
MAX Cent  -0.0 -66305.2
      4633  0.0 -67499.5
      4625  0.0 -65110.8
      4525  0.0 -65110.8
      4533  0.0 -67499.5
MIN Cent  -0.0 -237922.8
      4633 -0.0 -239940.8
      4625 -0.0 -235904.9
      4525  0.0 -235904.9

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4533 0.0 -239940.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2072	3	5	env SL~1	MAX Cent	5629495.3	-268006.0	-109040.3	5645608.7	-358928.5	-2.91
				4625	5629495.3	-284270.7	-109040.3	5645597.8	-374548.4	-2.91
				4617	5629495.3	-251741.3	-109040.3	5645619.7	-343317.5	-2.91
				4517	5629495.3	-251741.3	-109040.3	5645619.7	-343317.5	-2.91
				4525	5629495.3	-284270.7	-109040.3	5645597.8	-374548.4	-2.91
				MIN Cent	-1347022.2	-644496.2	-445909.8	-559769.4	-1373665.3	-81.34
				4625	-1347022.2	-648641.3	-445909.8	-565341.8	-1373841.6	-81.28
				4617	-1347022.2	-640351.1	-445909.8	-554195.3	-1373491.1	-81.40
				4517	-1347022.2	-640351.1	-445909.8	-554195.3	-1373491.1	-81.40
				4525	-1347022.2	-648641.3	-445909.8	-565341.8	-1373841.6	-81.28

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	2707.7	13538.3	1098.0	13648.5	2597.5	84.27
4625	-673.5	-3367.5	1236.2	-241.9	-3764.4	20.59
4617	-1475.8	-7379.0	1236.2	-1261.8	-7580.0	11.16
4517	6048.1	30240.5	955.9	30278.2	6010.4	87.74
4525	6994.6	34973.2	955.9	35005.8	6962.0	88.05
MIN Cent	-22811.2	-114056.0	-3847.5	-22649.3	-114218.0	-2.41
4625	-36571.4	-182856.9	-3893.3	-36467.8	-182960.5	-1.52
4617	-35887.7	-179438.5	-3893.3	-35782.2	-179544.0	-1.55
4517	-9528.9	-47644.5	-3827.2	-9148.4	-48025.0	-5.68
4525	-9256.8	-46284.1	-3827.2	-8865.4	-46675.5	-5.84

NODE Vxx Vyy

MAX Cent	0.0	-64602.7
4625	0.0	-65110.8
4617	0.0	-64017.9
4517	-0.0	-64017.9
4525	-0.0	-65110.8
MIN Cent	-0.0	-231683.6
4625	0.0	-235904.9
4617	0.0	-227558.0
4517	-0.0	-227558.0
4525	-0.0	-235904.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2073	3	5	env SL~1	MAX Cent	5603806.8	-296256.4	-71862.3	5625991.8	-367940.6	-3.38
				4617	5603806.8	-252871.3	-71862.3	5626445.5	-325956.5	-3.45
				4609	5603806.8	-339641.5	-71862.3	5625555.9	-409975.8	-3.32
				4509	5603806.8	-339641.5	-71862.3	5625555.9	-409975.8	-3.32

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4517 5603806.8 -252871.3 -71862.3 5626445.5 -325956.5 -3.45
MIN Cent -1340576.0 -773680.9 -396238.7 -538126.5 -1350506.9 -84.41
4617 -1340576.0 -645518.5 -396238.7 -563118.3 -1350899.7 -84.23
4609 -1340576.0 -901843.3 -396238.7 -513119.9 -1350137.4 -84.58
4509 -1340576.0 -901843.3 -396238.7 -513119.9 -1350137.4 -84.58
4517 -1340576.0 -645518.5 -396238.7 -563118.3 -1350899.7 -84.23

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 1960.2  9801.1  1014.8  9930.3  1831.0  82.74
4617 -1475.8 -7379.0  1109.3 -1307.9 -7537.1  10.11
4609 -1898.2 -9490.9  1109.3 -1772.0 -9615.1   8.02
4509  5226.9 26134.4  909.6 26173.9  5187.4  87.51
4517  6048.1 30240.5  909.6 30274.6  6013.9  87.85
MIN Cent -23192.7 -115963.3 -3574.9 -23060.5 -116095.6 -2.16
4617 -35887.7 -179438.5 -3602.7 -35809.7 -179516.5 -1.34
4609 -36896.1 -184480.7 -3602.7 -36820.2 -184556.6 -1.30
4509 -10457.9 -52289.6 -3659.0 -10140.3 -52607.3 -4.96
4517 -9528.9 -47644.5 -3659.0 -9180.8 -47992.6 -5.43

```

```

NODE   Vxx   Vyy
-----
MAX Cent  0.0 -62327.9
4617    0.0 -64017.9
4609    0.0 -60637.9
4509    0.0 -60637.9
4517    0.0 -64017.9
MIN Cent  0.0 -227900.8
4617   -0.0 -227558.0
4609   -0.0 -228243.6
4509    0.0 -228243.6
4517    0.0 -227558.0

```

```

ELEM MAT SEC  LC  NODE   Fxx   Fyy   Fxy   Fmax   Fmin   ANGLE
-----
2074  3  5 env SL~1 MAX Cent 5723542.8 -75497.4  19747.2 5777793.4 -139822.3 -5.48
4609 5723542.8 -330811.1  19747.2 5772061.0 -388053.6 -4.90
4601 5723542.8  584429.2  19747.2 5785043.7  522928.2 -6.21
4501 5723542.8  584429.2  19747.2 5785043.7  522928.2 -6.21
4509 5723542.8 -330811.1  19747.2 5772061.0 -388053.6 -4.90
MIN Cent -1375797.6 -721925.8 -565546.5 -721443.1 -1376280.3  88.44
4609 -1375797.6 -878006.7 -565546.5 -527251.1 -1376169.8  88.80
4601 -1375797.6 -916228.2 -565546.5 -915542.0 -1376483.8  87.79
4501 -1375797.6 -916228.2 -565546.5 -915542.0 -1376483.8  87.79
4509 -1375797.6 -878006.7 -565546.5 -527251.1 -1376169.8  88.80

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent  2297.5  11487.7  429.2  11507.7  2277.5  87.33
4609 -1898.2 -9490.9  1228.8 -1897.5 -9491.5  0.53
4601  466.8  2334.2  1228.8  2336.8  464.2  87.86
4501  5440.3  27201.5  608.4  27218.5  5423.3  88.40
4509  5226.9  26134.4  608.4  26152.1  5209.2  88.33
MIN Cent -27683.6 -138418.0 -2786.9 -27669.9 -138431.7 -0.64
4609 -36896.1 -184480.7 -2458.2 -36896.0 -184480.9  0.06
4601 -48380.4 -241902.1 -2458.2 -48380.3 -241902.2  0.04
4501 -14999.9 -74999.7 -3076.0 -14912.9 -75097.5 -1.81
4509 -10457.9 -52289.6 -3076.0 -10317.8 -52429.7 -3.31

```

NODE Vxx Vyy

```

-----
MAX Cent  0.0 -51411.7
4609  0.0 -60637.9
4601  0.0 -42185.5
4501  0.0 -42185.5
4509  0.0 -60637.9
MIN Cent  0.0 -258210.2
4609 -0.0 -228243.6
4601 -0.0 -288176.8
4501  0.0 -288176.8
4509  0.0 -228243.6

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
2075 3 5 env SL~1 MAX Cent 5694425.5 -263450.3 294407.6 5708776.0 -277685.0 2.82
4589 5694425.5 320528.9 294407.6 5710333.1 304755.9 3.12
4581 5694425.5 -563147.8 294407.6 5707494.5 -564116.1 2.57
4481 5694425.5 -563147.8 294407.6 5707494.5 -564116.1 2.57
4489 5694425.5 320528.9 294407.6 5710333.1 304755.9 3.12
MIN Cent -1373765.1 -711763.1 -162421.1 -675782.4 -1409745.8 -77.21
4589 -1373765.1 -779296.7 -162421.1 -739689.6 -1413372.2 -75.97
4581 -1373765.1 -891509.0 -162421.1 -611292.0 -1406702.5 -78.26
4481 -1373765.1 -891509.0 -162421.1 -611292.0 -1406702.5 -78.26
4489 -1373765.1 -779296.7 -162421.1 -739689.6 -1413372.2 -75.97

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent  16271.4  81357.0  641.0  81363.3  16265.1  89.44
4589  13870.8  69354.2  879.9  69368.2  13856.9  89.09
4581  12280.1  61400.6  879.9  61416.3  12264.4  88.97
4481  18795.3  93976.7  408.7  93978.9  18793.1  89.69
4489  20139.3  100696.3  408.7  100698.4  20137.2  89.71
MIN Cent  2727.5  13637.4 -4702.3  15384.4  980.5 -69.62
4589 -6507.0 -32535.1 -5046.5 -5562.8 -33479.3 -10.60
4581 -3456.7 -17283.7 -5046.5 -1810.8 -18929.6 -18.06
4481  10808.5  54042.7 -4416.2  54392.3  10430.8 -84.88
4489  9969.6  49848.1 -4416.2  50226.7  9517.3 -84.46

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	-52457.6
4589	0.0	-51094.7
4581	0.0	-53820.5
4481	0.0	-53820.5
4489	0.0	-51094.7
MIN Cent	0.0	-173728.9
4589	-0.0	-177937.3
4581	-0.0	-169520.4
4481	-0.0	-169520.4
4489	-0.0	-177937.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2076	3	5	env SL~1	MAX Cent	5588873.5	-530620.8	76095.4	5589673.4	-556166.2	0.64
				4581	5588873.5	-570549.0	76095.4	5589664.0	-595668.7	0.63
				4573	5588873.5	-490692.7	76095.4	5589683.0	-516678.1	0.65
				4473	5588873.5	-490692.7	76095.4	5589683.0	-516678.1	0.65
				4481	5588873.5	-570549.0	76095.4	5589664.0	-595668.7	0.63
				MIN Cent	-1359978.5	-836962.4	-244051.5	-594873.4	-1407935.5	-75.94
				4581	-1359978.5	-912476.1	-244051.5	-593595.2	-1407855.5	-75.97
				4573	-1359978.5	-761448.7	-244051.5	-596151.4	-1408015.7	-75.92
				4473	-1359978.5	-761448.7	-244051.5	-596151.4	-1408015.7	-75.92
				4481	-1359978.5	-912476.1	-244051.5	-593595.2	-1407855.5	-75.97

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	15058.9	75294.6	469.9	75298.3	15055.3	89.55
4581	12280.1	61400.6	620.1	61408.4	12272.3	89.28
4573	11457.3	57286.4	620.1	57294.8	11448.9	89.22
4473	17702.9	88514.6	312.6	88516.0	17701.5	89.75
4481	18795.3	93976.7	312.6	93978.0	18794.0	89.76
MIN Cent	3370.2	16851.1	-4170.9	18037.2	2184.1	-74.13
4581	-3456.7	-17283.7	-4069.8	-2347.8	-18392.7	-15.24
4573	-3848.8	-19243.8	-4069.8	-2839.1	-20253.5	-13.93
4473	9847.6	49237.9	-4287.3	49590.9	9453.5	-84.62
4481	10808.5	54042.7	-4287.3	54364.8	10456.0	-85.08

NODE	Vxx	Vyy

MAX Cent	-0.0	-52692.4
4581	-0.0	-53820.5
4573	-0.0	-51564.3
4473	-0.0	-51564.3
4481	-0.0	-53820.5
MIN Cent	-0.0	-165234.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4581 -0.0 -169520.4
4573 -0.0 -160948.5
4473 -0.0 -160948.5
4481 -0.0 -169520.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2077	3	5	env SL~1	MAX Cent	5608806.2	-469555.3	-68934.0	5609917.7	-525890.4	-0.76
				4573	5608806.2	-488250.1	-68934.0	5609914.2	-544144.2	-0.76
				4565	5608806.2	-450860.5	-68934.0	5609921.2	-507643.5	-0.76
				4465	5608806.2	-450860.5	-68934.0	5609921.2	-507643.5	-0.76
				4473	5608806.2	-488250.1	-68934.0	5609914.2	-544144.2	-0.76
				MIN Cent	-1360483.6	-739151.4	-361016.1	-590248.9	-1415590.6	-75.03
				4573	-1360483.6	-757536.2	-361016.1	-589253.8	-1415519.5	-75.04
				4565	-1360483.6	-720766.6	-361016.1	-591243.8	-1415661.8	-75.01
				4465	-1360483.6	-720766.6	-361016.1	-591243.8	-1415661.8	-75.01
				4473	-1360483.6	-757536.2	-361016.1	-589253.8	-1415519.5	-75.04

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
------	-----	-----	-----	------	------	-------

MAX Cent	14144.6	70723.0	441.0	70726.4	14141.2	89.55
4573	11457.3	57286.4	576.1	57293.7	11450.0	89.28
4565	10764.8	53823.9	576.1	53831.6	10757.1	89.23
4465	16653.4	83267.1	296.4	83268.5	16652.1	89.75
4473	17702.9	88514.6	296.4	88515.9	17701.7	89.76
MIN Cent	2405.8	12029.0	-3928.5	13429.0	1005.8	-70.38
4573	-3848.8	-19243.8	-3725.4	-2994.7	-20098.0	-12.91
4565	-5180.8	-25904.1	-3725.4	-4531.4	-26553.4	-9.89
4465	8667.1	43335.4	-4127.2	43703.7	8260.4	-84.15
4473	9847.6	49237.9	-4127.2	49562.8	9486.7	-84.83

NODE	Vxx	Vyy
------	-----	-----

MAX Cent	-0.0	-50119.8
4573	0.0	-51564.3
4565	0.0	-48675.4
4465	-0.0	-48675.4
4473	-0.0	-51564.3
MIN Cent	-0.0	-158225.8
4573	-0.0	-160948.5
4565	-0.0	-155503.2
4465	-0.0	-155503.2
4473	-0.0	-160948.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2078	3	5	env SL~1	MAX Cent	5616086.4	-433637.9	-156464.0	5620902.0	-517202.4	-1.59

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4565 5616086.4 -449423.8 -156464.0 5620890.5 -532441.1 -1.58
4557 5616086.4 -417852.1 -156464.0 5620913.6 -501970.7 -1.59
4457 5616086.4 -417852.1 -156464.0 5620913.6 -501970.7 -1.59
4465 5616086.4 -449423.8 -156464.0 5620890.5 -532441.1 -1.58
MIN Cent -1362775.4 -709249.7 -439548.1 -592415.7 -1427174.7 -73.87
4565 -1362775.4 -719570.5 -439548.1 -583239.2 -1426416.6 -74.05
4557 -1362775.4 -698929.0 -439548.1 -601575.4 -1427949.6 -73.69
4457 -1362775.4 -698929.0 -439548.1 -601575.4 -1427949.6 -73.69
4465 -1362775.4 -719570.5 -439548.1 -583239.2 -1426416.6 -74.05

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 13233.4 66167.1 465.6 66171.2 13229.3 89.50
4565 10764.8 53823.9 614.5 53832.6 10756.0 89.18
4557 9954.8 49774.1 614.5 49783.6 9945.3 89.12
4457 15560.7 77803.5 309.0 77805.0 15559.2 89.72
4465 16653.4 83267.1 309.0 83268.6 16652.0 89.73
MIN Cent 1222.0 6110.0 -3986.4 8341.9 -1010.0 -60.76
4565 -5180.8 -25904.1 -3807.4 -4503.4 -26581.4 -10.09
4557 -6290.1 -31450.7 -3807.4 -5726.6 -32014.2 -8.42
4457 7535.7 37678.5 -4165.8 38109.2 7058.7 -83.23
4465 8667.1 43335.4 -4165.8 43711.2 8251.5 -84.09

```

```

NODE   Vxx   Vyy
-----
MAX Cent 0.0 -47525.3
4565 0.0 -48675.4
4557 0.0 -46375.1
4457 0.0 -46375.1
4465 0.0 -48675.4
MIN Cent 0.0 -152502.0
4565 0.0 -155503.2
4557 0.0 -149500.7
4457 -0.0 -149500.7
4465 -0.0 -155503.2

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2079 3 5 env SL~1 MAX Cent 5619469.2 -404236.2 -220483.0 5628589.0 -509783.3 -2.19
4557 5619469.2 -416676.0 -220483.0 5628587.4 -521682.4 -2.19
4549 5619469.2 -391796.4 -220483.0 5628590.6 -497889.6 -2.19
4449 5619469.2 -391796.4 -220483.0 5628590.6 -497889.6 -2.19
4457 5619469.2 -416676.0 -220483.0 5628587.4 -521682.4 -2.19
MIN Cent -1367761.1 -705816.1 -497660.2 -606124.3 -1443380.2 -72.51
4557 -1367761.1 -698791.6 -497660.2 -593372.8 -1442135.0 -72.78
4549 -1367761.1 -712840.5 -497660.2 -618837.3 -1444663.9 -72.23
4449 -1367761.1 -712840.5 -497660.2 -618837.3 -1444663.9 -72.23
4457 -1367761.1 -698791.6 -497660.2 -593372.8 -1442135.0 -72.78

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	12287.0	61435.0	462.3	61439.3	12282.6	89.46
4557	9954.8	49774.1	609.5	49783.4	9945.5	89.12
4549	9159.6	45798.2	609.5	45808.4	9149.5	89.05
4449	14472.8	72364.1	307.2	72365.8	14471.2	89.70
4457	15560.7	77803.5	307.2	77805.0	15559.2	89.72
MIN Cent	132.1	660.4	-4001.6	4145.1	-3614.0	-48.60
4557	-6290.1	-31450.7	-3831.6	-5719.6	-32021.3	-8.47
4549	-7324.1	-36620.5	-3831.6	-6831.3	-37113.3	-7.33
4449	6433.8	32168.9	-4173.1	32672.9	5873.6	-82.11
4457	7535.7	37678.5	-4173.1	38111.1	7056.8	-83.22

NODE	Vxx	Vyy

MAX Cent	0.0	-45178.9
4557	0.0	-46375.1
4549	0.0	-43982.6
4449	0.0	-43982.6
4457	0.0	-46375.1
MIN Cent	0.0	-146431.7
4557	0.0	-149500.7
4549	0.0	-143362.8
4449	-0.0	-143362.8
4457	-0.0	-149500.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2080	3	5	env SL~1	MAX Cent	5623479.8	-374508.6	-248203.9	5637046.3	-495555.6	-2.68
				4549	5623479.8	-390607.3	-248203.9	5637008.1	-510855.2	-2.68
				4541	5623479.8	-358409.9	-248203.9	5637084.6	-480266.2	-2.69
				4441	5623479.8	-358409.9	-248203.9	5637084.6	-480266.2	-2.69
				4449	5623479.8	-390607.3	-248203.9	5637008.1	-510855.2	-2.68
				MIN Cent	-1367993.5	-697308.6	-542453.3	-599011.2	-1451887.8	-71.72
				4549	-1367993.5	-712500.2	-542453.3	-610607.7	-1453172.4	-71.46
				4541	-1367993.5	-682117.1	-542453.3	-587380.2	-1450637.8	-71.98
				4441	-1367993.5	-682117.1	-542453.3	-587380.2	-1450637.8	-71.98
				4449	-1367993.5	-712500.2	-542453.3	-610607.7	-1453172.4	-71.46

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	11511.6	57558.1	432.3	57562.1	11507.6	89.46
4549	9159.6	45798.2	562.5	45806.9	9151.0	89.12
4541	8688.9	43444.3	562.5	43453.4	8679.8	89.07
4441	13725.1	68625.6	291.9	68627.2	13723.6	89.70
4449	14472.8	72364.1	291.9	72365.6	14471.4	89.71
MIN Cent	-720.8	-3603.9	-4052.4	1797.2	-6463.5	-34.85
4549	-7324.1	-36620.5	-3912.6	-6810.6	-37134.0	-7.48

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4541 -7889.3 -39446.3 -3912.6 -7411.4 -39924.2 -6.96
4441 5712.3 28561.6 -4197.8 29134.4 5070.1 -81.11
4449 6433.8 32168.9 -4197.8 32680.0 5866.0 -82.06

```

```

NODE Vxx Vyy

```

```

MAX Cent 0.0 -42836.0

```

```

4549 0.0 -43982.6
4541 0.0 -41689.5
4441 -0.0 -41689.5
4449 0.0 -43982.6

```

```

MIN Cent -0.0 -140971.3

```

```

4549 -0.0 -143362.8
4541 0.0 -138579.9
4441 -0.0 -138579.9
4449 0.0 -143362.8

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

2081 3 5 env SL~1 MAX Cent 5633748.9 -324991.0 -211603.2 5649106.9 -449814.2 -2.87

```

```

4541 5633748.9 -356429.1 -211603.2 5649028.3 -479631.5 -2.85
4533 5633748.9 -293552.8 -211603.2 5649186.2 -420037.9 -2.88
4433 5633748.9 -293552.8 -211603.2 5649186.2 -420037.9 -2.88
4441 5633748.9 -356429.1 -211603.2 5649028.3 -479631.5 -2.85

```

```

MIN Cent -1357200.2 -640882.0 -543522.8 -567763.7 -1424072.5 -74.44

```

```

4541 -1357200.2 -679860.0 -543522.8 -603767.3 -1426793.9 -73.74
4533 -1357200.2 -601903.9 -543522.8 -531521.9 -1421525.7 -75.10
4433 -1357200.2 -601903.9 -543522.8 -531521.9 -1421525.7 -75.10
4441 -1357200.2 -679860.0 -543522.8 -603767.3 -1426793.9 -73.74

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

MAX Cent 10667.5 53337.6 434.9 53342.1 10663.1 89.42

```

```

4541 8688.9 43444.3 565.5 43453.5 8679.7 89.07
4533 7849.7 39248.4 565.5 39258.6 7839.5 88.97
4433 12406.4 62032.2 294.2 62033.9 12404.7 89.66
4441 13725.1 68625.6 294.2 68627.2 13723.5 89.69

```

```

MIN Cent -1526.0 -7629.9 -4080.9 196.8 -9673.9 -25.17

```

```

4541 -7889.3 -39446.3 -3963.2 -7399.1 -39936.5 -7.05
4533 -8666.7 -43333.3 -3963.2 -8219.4 -43780.7 -6.44
4433 4548.6 22742.8 -4206.6 23455.8 3738.6 -79.01
4441 5712.3 28561.6 -4206.6 29137.1 5067.1 -81.09

```

```

NODE Vxx Vyy

```

```

MAX Cent 0.0 -39755.2

```

```

4541 -0.0 -41689.5
4533 -0.0 -37821.0

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4433 0.0 -37821.0
4441 0.0 -41689.5
MIN Cent -0.0 -134100.1
4541 -0.0 -138579.9
4533 -0.0 -129620.3
4433 0.0 -129620.3
4441 0.0 -138579.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2082 3 5 env SL~1 MAX Cent 5637272.1 -282780.7 -131107.9 5650866.2 -391791.2 -2.69
4533 5637272.1 -291864.4 -131107.9 5650896.0 -400450.7 -2.69
4525 5637272.1 -273697.0 -131107.9 5650836.6 -383134.8 -2.68
4425 5637272.1 -273697.0 -131107.9 5650836.6 -383134.8 -2.68
4433 5637272.1 -291864.4 -131107.9 5650896.0 -400450.7 -2.69
MIN Cent -1347452.4 -609161.2 -491581.1 -553996.0 -1384752.8 -79.70
4533 -1347452.4 -600635.1 -491581.1 -561604.9 -1384829.9 -79.60
4525 -1347452.4 -617687.2 -491581.1 -546382.4 -1384676.0 -79.80
4425 -1347452.4 -617687.2 -491581.1 -546382.4 -1384676.0 -79.80
4433 -1347452.4 -600635.1 -491581.1 -561604.9 -1384829.9 -79.60

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 9639.0 48195.2 478.4 48201.1 9633.1 89.29
4533 7849.7 39248.4 632.1 39261.2 7837.0 88.85
4525 6993.7 34968.5 632.1 34982.7 6979.4 88.71
4425 11306.3 56531.7 318.1 56533.9 11304.1 89.60
4433 12406.4 62032.2 318.1 62034.2 12404.4 89.63
MIN Cent -2380.8 -11904.2 -4086.6 -1153.3 -13417.4 -18.56
4533 -8666.7 -43333.3 -3971.8 -8217.4 -43782.6 -6.45
4525 -9249.9 -46249.6 -3971.8 -8828.4 -46671.2 -6.06
4425 3640.8 18203.8 -4209.9 19077.7 2645.3 -76.62
4433 4548.6 22742.8 -4209.9 23456.3 3737.2 -79.01

NODE Vxx Vyy

MAX Cent 0.0 -36882.4
4533 0.0 -37821.0
4525 0.0 -35943.7
4425 0.0 -35943.7
4433 0.0 -37821.0
MIN Cent 0.0 -126006.3
4533 0.0 -129620.3
4525 0.0 -122392.3
4425 -0.0 -122392.3
4433 -0.0 -129620.3

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2083	3	5	env SL~1	MAX Cent	5632509.7	-263731.4	-87351.4	5647174.6	-351428.7	-2.78
				4525	5632509.7	-272935.0	-87351.4	5647196.1	-360277.8	-2.78
				4517	5632509.7	-254527.7	-87351.4	5647153.3	-342582.3	-2.78
				4417	5632509.7	-254527.7	-87351.4	5647153.3	-342582.3	-2.78
				4425	5632509.7	-272935.0	-87351.4	5647196.1	-360277.8	-2.78
				MIN Cent	-1344115.9	-627273.5	-437264.1	-551327.5	-1363059.7	-82.93
				4525	-1344115.9	-618411.7	-437264.1	-559355.3	-1363244.6	-82.86
				4517	-1344115.9	-636135.3	-437264.1	-543297.2	-1362878.1	-83.00
				4417	-1344115.9	-636135.3	-437264.1	-543297.2	-1362878.1	-83.00
				4425	-1344115.9	-618411.7	-437264.1	-559355.3	-1363244.6	-82.86
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	8632.0	43160.1	499.1	43167.3	8624.8	89.17
				4525	6993.7	34968.5	663.0	34984.2	6978.0	88.64
				4517	6048.4	30242.1	663.0	30260.3	6030.3	88.43
				4417	10179.6	50898.1	330.4	51127.1	10176.9	-84.58
				4425	11306.3	56531.7	330.4	56534.1	11303.9	89.58
				MIN Cent	-3016.4	-15082.0	-4143.7	-2002.2	-16368.0	-15.49
				4525	-9249.9	-46249.6	-4065.2	-8808.5	-46691.0	-6.20
				4517	-9535.4	-47676.9	-4065.2	-9106.9	-48105.4	-6.02
				4417	2856.7	14283.7	-4235.3	15377.3	1618.6	-73.54
				4425	3640.8	18203.8	-4235.3	19090.0	2632.8	-76.53
				NODE	Vxx	Vyy				
				MAX Cent	-0.0	-35258.1				
				4525	0.0	-35943.7				
				4517	0.0	-34572.5				
				4417	-0.0	-34572.5				
				4425	-0.0	-35943.7				
				MIN Cent	-0.0	-118787.1				
				4525	-0.0	-122392.3				
				4517	-0.0	-115181.8				
				4417	-0.0	-115181.8				
				4425	-0.0	-122392.3				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2084	3	5	env SL~1	MAX Cent	5617892.8	-268676.6	-48541.3	5639966.2	-339972.1	-3.39
				4517	5617892.8	-254725.5	-48541.3	5640181.9	-326468.0	-3.42
				4509	5617892.8	-282627.7	-48541.3	5639754.6	-353481.7	-3.36
				4409	5617892.8	-282627.7	-48541.3	5639754.6	-353481.7	-3.36
				4417	5617892.8	-254725.5	-48541.3	5640181.9	-326468.0	-3.42
				MIN Cent	-1339446.3	-701444.1	-393132.3	-536376.2	-1344440.0	-86.07
				4517	-1339446.3	-639102.1	-393132.3	-550569.6	-1344569.9	-86.00

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4509 -1339446.3 -763786.1 -393132.3 -522180.5 -1344314.7 -86.14
 4409 -1339446.3 -763786.1 -393132.3 -522180.5 -1344314.7 -86.14
 4417 -1339446.3 -639102.1 -393132.3 -550569.6 -1344569.9 -86.00

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 7635.7 38178.5 463.2 38185.5 7628.7 89.13
 4517 6048.4 30242.1 612.9 30257.7 6032.9 88.55
 4509 5236.7 26183.6 612.9 26201.5 5218.8 88.33
 4409 9078.0 45390.0 305.7 45661.3 9075.4 -83.90
 4417 10179.6 50898.1 305.7 51132.0 10177.3 -84.54
 MIN Cent -3803.2 -19016.1 -4040.7 -3038.1 -19990.3 -12.34
 4517 -9535.4 -47676.9 -3877.7 -9145.2 -48067.2 -5.75
 4509 -10476.9 -52384.4 -3877.7 -10130.2 -52740.2 -4.55
 4409 1737.1 8685.3 -4208.5 10262.7 -47.4 -66.73
 4417 2856.7 14283.7 -4208.5 15359.3 1634.1 -73.65

NODE Vxx Vyy

MAX Cent 0.0 -33342.8
 4517 0.0 -34572.5
 4509 0.0 -32113.2
 4409 -0.0 -32113.2
 4417 -0.0 -34572.5
 MIN Cent 0.0 -111620.5
 4517 0.0 -115181.8
 4509 0.0 -108059.1
 4409 -0.0 -108059.1
 4417 -0.0 -115181.8

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2085 3 5 env SL~1 MAX Cent 5708013.4 -131499.3 15907.4 5745246.1 -183460.5 -4.53
 4509 5708013.4 -277140.6 15907.4 5742404.9 -325712.7 -4.18
 4501 5708013.4 298124.2 15907.4 5748595.3 257542.3 -4.93
 4401 5708013.4 298124.2 15907.4 5748595.3 257542.3 -4.93
 4409 5708013.4 -277140.6 15907.4 5742404.9 -325712.7 -4.18
 MIN Cent -1372410.3 -704989.2 -470309.0 -704697.2 -1372702.3 88.80
 4509 -1372410.3 -745793.7 -470309.0 -532268.4 -1372642.4 89.05
 4501 -1372410.3 -877478.0 -470309.0 -877084.4 -1372803.9 88.39
 4401 -1372410.3 -877478.0 -470309.0 -877084.4 -1372803.9 88.39
 4409 -1372410.3 -745793.7 -470309.0 -532268.4 -1372642.4 89.05

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 7045.1 35225.6 257.2 35228.0 7042.8 89.48
 4509 5236.7 26183.6 281.0 26187.4 5233.0 89.23
 4501 5468.2 27340.8 281.0 27344.4 5464.5 89.26

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4401  8397.6  41988.1  209.0  41989.4  8396.3  89.64
4409  9078.0  45390.0  209.0  45596.8  9076.8  -84.38
MIN Cent -6043.4 -30216.8 -3388.3 -5767.1 -30493.1 -6.07
4509 -10476.9 -52384.4 -3167.8 -10324.1 -52537.1 -3.45
4501 -15191.0 -75954.8 -3167.8 -15085.4 -76060.3 -2.38
4401  -405.0  -2025.1  -3628.9  2003.6  -4433.8  -37.71
4409  1737.1  8685.3  -3628.9  9877.4  373.3  -69.06

```

```

NODE   Vxx   Vyy
-----
MAX Cent  0.0 -28484.5
4509    0.0 -32113.2
4501    0.0 -24698.7
4401   -0.0 -24698.7
4409    0.0 -32113.2
MIN Cent -0.0 -117786.1
4509    0.0 -108059.1
4501    0.0 -129000.7
4401   -0.0 -129000.7
4409   -0.0 -108059.1

```

```

ELEM MAT SEC  LC  NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
2086  3   5 env SL~1 MAX Cent 5689407.4 -288540.7 249318.1 5699578.5 -298475.0 2.36
4489 5689407.4 168838.1 249318.1 5700420.2 157801.2 2.56
4481 5689407.4 -507504.2 249318.1 5698855.9 -508478.2 2.20
4381 5689407.4 -507504.2 249318.1 5698855.9 -508478.2 2.20
4389 5689407.4 168838.1 249318.1 5700420.2 157801.2 2.56
MIN Cent -1363643.5 -661155.3 -128827.4 -639620.1 -1385178.7 -80.21
4489 -1363643.5 -686699.0 -128827.4 -664400.7 -1385941.9 -79.88
4481 -1363643.5 -789597.7 -128827.4 -614790.4 -1384464.6 -80.53
4381 -1363643.5 -789597.7 -128827.4 -614790.4 -1384464.6 -80.53
4389 -1363643.5 -686699.0 -128827.4 -664400.7 -1385941.9 -79.88

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent 26283.7 131418.6 -163.9 131596.1 26106.2 -87.65
4489  20111.8 100559.0  41.0 100559.0 20111.8  89.97
4481  18808.3  94041.4  41.0  94041.4 18808.3  89.97
4381  33591.5 167957.5 -366.9 168105.9 33443.1 -88.10
4389  34609.9 173049.5 -366.9 173193.6 34465.8 -88.15
MIN Cent 14603.0 73015.2 -4769.6 73323.8 14294.5 -85.85
4489  10407.4 52037.0 -4777.4 52469.7 9951.8 -84.21
4481  10681.1 53405.4 -4777.4 53827.2 10209.6 -84.35
4381  18106.3 90531.6 -4774.3 90703.0 17934.9 -87.22
4389  18567.7 92838.6 -4774.3 93005.7 18400.6 -87.29

```

```

NODE   Vxx   Vyy

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  0.0 -30473.1
  4489  0.0 -29916.9
  4481  0.0 -31029.3
  4381  0.0 -31029.3
  4389  0.0 -29916.9
MIN Cent  -0.0 -134969.4
  4489 -0.0 -136183.7
  4481 -0.0 -133755.1
  4381  0.0 -133755.1
  4389  0.0 -136183.7

```

```

ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
2087   3    5 env SL~1 MAX Cent 5602379.6 -486105.7 107991.1 5604040.5 -505578.5  0.94
      4481 5602379.6 -514662.9 107991.1 5604030.3 -533897.8  0.93
      4473 5602379.6 -457548.5 107991.1 5604050.7 -477265.1  0.94
      4373 5602379.6 -457548.5 107991.1 5604050.7 -477265.1  0.94
      4381 5602379.6 -514662.9 107991.1 5604030.3 -533897.8  0.93
      MIN Cent -1356751.8 -768620.5 -211165.0 -591646.3 -1391802.0 -77.92
      4481 -1356751.8 -806832.7 -211165.0 -598849.8 -1392135.1 -77.81
      4473 -1356751.8 -730408.3 -211165.0 -584436.9 -1391474.8 -78.03
      4373 -1356751.8 -730408.3 -211165.0 -584436.9 -1391474.8 -78.03
      4381 -1356751.8 -806832.7 -211165.0 -598849.8 -1392135.1 -77.81

```

```

      NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
      MAX Cent 25178.1 125890.6 -253.2 126092.3 24976.5 -87.44
      4481 18808.3 94041.4 -61.8 94041.4 18808.2 -89.95
      4473 17700.6 88502.8 -61.8 88502.9 17700.5 -89.95
      4373 31834.6 159173.0 -450.1 159349.0 31658.7 -87.87
      4381 33591.5 167957.5 -450.1 168124.3 33424.7 -87.98
      MIN Cent 14101.7 70508.6 -4764.2 70823.1 13787.3 -85.74
      4481 10681.1 53405.4 -4606.1 53788.8 10246.1 -84.61
      4473 9872.7 49363.6 -4606.1 49777.9 9413.3 -84.18
      4373 17075.8 85379.1 -4934.5 85578.6 16876.3 -86.91
      4381 18106.3 90531.6 -4934.5 90719.8 17918.1 -87.09

```

```

      NODE   Vxx   Vyy
-----
      MAX Cent -0.0 -30177.0
      4481 -0.0 -31029.3
      4473 -0.0 -29324.8
      4373 -0.0 -29324.8
      4381 -0.0 -31029.3
      MIN Cent -0.0 -130099.5
      4481 -0.0 -133755.1
      4473 -0.0 -126443.9
      4373 -0.0 -126443.9

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4381 -0.0 -133755.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2088	3	5	env SL~1	MAX Cent	5615330.7	-437975.1	-41821.8	5615832.6	-485824.1	-0.51
				4473	5615330.7	-455623.3	-41821.8	5615830.7	-503112.2	-0.51
				4465	5615330.7	-420326.9	-41821.8	5615834.5	-468541.4	-0.51
				4365	5615330.7	-420326.9	-41821.8	5615834.5	-468541.4	-0.51
				4373	5615330.7	-455623.3	-41821.8	5615830.7	-503112.2	-0.51
				MIN Cent	-1355849.1	-705814.7	-330279.9	-580871.5	-1397160.7	-77.00
				4473	-1355849.1	-727896.1	-330279.9	-577829.3	-1396999.2	-77.05
				4465	-1355849.1	-683733.2	-330279.9	-583912.5	-1397323.5	-76.95
				4365	-1355849.1	-683733.2	-330279.9	-583912.5	-1397323.5	-76.95
				4373	-1355849.1	-727896.1	-330279.9	-577829.3	-1396999.2	-77.05

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	23820.9	119104.3	-263.3	119309.5	23615.6	-87.35
4473	17700.6	88502.8	-79.5	88502.9	17700.5	-89.94
4465	16653.3	83266.7	-79.5	83266.8	16653.3	-89.93
4365	30157.5	150787.5	-453.3	150967.0	29978.0	-87.79
4373	31834.6	159173.0	-453.3	159343.1	31664.6	-87.91
MIN Cent	12976.4	64882.0	-4634.6	65203.9	12654.5	-85.51
4473	9872.7	49363.6	-4436.9	49745.7	9450.8	-84.41
4465	8662.3	43311.7	-4436.9	43745.9	8181.0	-83.65
4365	16056.9	80284.3	-4834.0	80570.8	15770.4	-86.19
4373	17075.8	85379.1	-4834.0	85572.0	16883.0	-86.96

NODE Vxx Vyy

MAX Cent	0.0	-28391.6
4473	-0.0	-29324.8
4465	-0.0	-27458.4
4365	-0.0	-27458.4
4373	-0.0	-29324.8
MIN Cent	0.0	-123888.4
4473	-0.0	-126443.9
4465	-0.0	-121333.0
4365	-0.0	-121333.0
4373	-0.0	-126443.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2089	3	5	env SL~1	MAX Cent	5622518.7	-405614.4	-130511.7	5625997.6	-479102.5	-1.35
				4465	5622518.7	-419032.4	-130511.7	5625991.5	-492103.8	-1.35
				4457	5622518.7	-392196.3	-130511.7	5626003.7	-466105.9	-1.35
				4357	5622518.7	-392196.3	-130511.7	5626003.7	-466105.9	-1.35

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4365 5622518.7 -419032.4 -130511.7 5625991.5 -492103.8 -1.35
MIN Cent -1358484.0 -676881.1 -409289.5 -585339.1 -1408502.9 -75.73
4465 -1358484.0 -682575.9 -409289.5 -577043.5 -1407935.2 -77.12
4457 -1358484.0 -671186.3 -409289.5 -594203.1 -1409083.0 -75.57
4357 -1358484.0 -671186.3 -409289.5 -594203.1 -1409083.0 -75.57
4365 -1358484.0 -682575.9 -409289.5 -577043.5 -1407935.2 -77.12

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 22446.4 112232.0 -254.9 112451.2 22227.2 -87.17
4465 16653.3 83266.7 -65.5 83266.8 16653.3 -89.94
4457 15560.6 77802.8 -65.5 77802.9 15560.5 -89.94
4357 28471.5 142357.3 -449.9 142548.4 28280.3 -87.66
4365 30157.5 150787.5 -449.9 150968.0 29977.0 -87.79
MIN Cent 11761.8 58808.9 -4667.6 59169.0 11401.7 -85.02
4465 8662.3 43311.7 -4477.4 43754.5 8170.9 -83.59
4457 7537.1 37685.3 -4477.4 38192.1 6975.3 -82.67
4357 14790.9 73954.3 -4862.2 74268.8 14476.3 -85.84
4365 16056.9 80284.3 -4862.2 80574.3 15766.9 -86.16

```

```

NODE   Vxx   Vyy
-----
MAX Cent -0.0 -26600.7
4465 0.0 -27458.4
4457 0.0 -25742.9
4357 -0.0 -25742.9
4365 -0.0 -27458.4
MIN Cent -0.0 -118585.4
4465 0.0 -121333.0
4457 0.0 -115837.8
4357 -0.0 -115837.8
4365 -0.0 -121333.0

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2090 3 5 env SL~1 MAX Cent 5625298.7 -379498.5 -192682.2 5632639.9 -473908.4 -1.97
4457 5625298.7 -391151.7 -192682.2 5632637.3 -485100.3 -1.97
4449 5625298.7 -367845.4 -192682.2 5632642.6 -462720.9 -1.97
4349 5625298.7 -367845.4 -192682.2 5632642.6 -462720.9 -1.97
4357 5625298.7 -391151.7 -192682.2 5632637.3 -485100.3 -1.97
MIN Cent -1363289.5 -678164.2 -465284.4 -599194.1 -1423480.4 -74.32
4457 -1363289.5 -671237.6 -465284.4 -586551.9 -1422500.7 -74.57
4449 -1363289.5 -685090.7 -465284.4 -611805.9 -1424490.5 -74.07
4349 -1363289.5 -685090.7 -465284.4 -611805.9 -1424490.5 -74.07
4357 -1363289.5 -671237.6 -465284.4 -586551.9 -1422500.7 -74.57

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

MAX Cent 21087.4 105436.8 -256.2 105669.8 20854.3 -87.00
  4457 15560.6 77802.8 -67.5 77802.9 15560.5 -89.94
  4449 14473.9 72369.3 -67.5 72369.4 14473.8 -89.93
  4349 26805.5 134027.3 -450.6 134229.9 26602.9 -87.51
  4357 28471.5 142357.3 -450.6 142548.0 28280.7 -87.66
MIN Cent 10573.1 52865.5 -4673.3 53266.6 10172.1 -84.46
  4457 7537.1 37685.3 -4485.5 38194.3 6973.1 -82.66
  4449 6434.9 32174.5 -4485.5 32767.1 5776.3 -81.47
  4349 13529.6 67648.1 -4865.9 67992.3 13185.4 -85.45
  4357 14790.9 73954.3 -4865.9 74269.4 14475.7 -85.84

```

```

NODE   Vxx   Vyy
-----
MAX Cent -0.0 -24862.0
  4457   0.0 -25742.9
  4449   0.0 -23981.1
  4349   0.0 -23981.1
  4357   0.0 -25742.9
MIN Cent -0.0 -113112.4
  4457   0.0 -115837.8
  4449   0.0 -110387.0
  4349   0.0 -110387.0
  4357   0.0 -115837.8

```

```

ELEM MAT SEC  LC  NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
2091  3   5 env SL~1 MAX Cent 5628939.1 -352783.7 -218046.1 5640021.1 -461399.1 -2.44
      4449 5628939.1 -366776.8 -218046.1 5639995.4 -474757.5 -2.44
      4441 5628939.1 -338790.6 -218046.1 5640046.9 -448048.0 -2.45
      4341 5628939.1 -338790.6 -218046.1 5640046.9 -448048.0 -2.45
      4349 5628939.1 -366776.8 -218046.1 5639995.4 -474757.5 -2.44
MIN Cent -1364306.2 -673984.1 -507861.5 -598581.5 -1430193.4 -73.65
      4449 -1364306.2 -684923.5 -507861.5 -606623.7 -1430892.8 -73.49
      4441 -1364306.2 -663044.8 -507861.5 -590525.8 -1429507.5 -73.81
      4341 -1364306.2 -663044.8 -507861.5 -590525.8 -1429507.5 -73.81
      4349 -1364306.2 -684923.5 -507861.5 -606623.7 -1430892.8 -73.49

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent 19932.3 99661.4 -267.1 99908.6 19685.0 -86.82
  4449 14473.9 72369.3 -84.4 72369.4 14473.7 -89.92
  4441 13725.2 68625.8 -84.4 68626.0 13725.0 -89.91
  4341 25609.9 128049.5 -456.4 128261.8 25397.6 -87.40
  4349 26805.5 134027.3 -456.4 134230.2 26602.6 -87.51
MIN Cent 9584.2 47921.2 -4688.0 48365.9 9139.5 -83.89
  4449 6434.9 32174.5 -4513.2 32775.6 5767.3 -81.41
  4441 5713.2 28565.9 -4513.2 29238.9 4960.4 -80.40
  4341 12659.2 63296.2 -4868.8 63664.2 12291.2 -85.14
  4349 13529.6 67648.1 -4868.8 67992.8 13184.9 -85.45

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	-23261.5
4449	0.0	-23981.1
4441	0.0	-22542.0
4341	0.0	-22542.0
4349	0.0	-23981.1
MIN Cent	0.0	-108352.4
4449	-0.0	-110387.0
4441	-0.0	-106317.7
4341	-0.0	-106317.7
4349	-0.0	-110387.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2092	3	5	env SL~1	MAX Cent	5637451.1	-310244.0	-180215.5	5650106.0	-422008.6	-2.62
				4441	5637451.1	-337089.0	-180215.5	5650051.5	-447592.3	-2.61
				4433	5637451.1	-283399.0	-180215.5	5650161.0	-396452.5	-2.63
				4333	5637451.1	-283399.0	-180215.5	5650161.0	-396452.5	-2.63
				4341	5637451.1	-337089.0	-180215.5	5650051.5	-447592.3	-2.61
				MIN Cent	-1355167.2	-626243.8	-508601.5	-573326.2	-1404004.1	-76.44
				4441	-1355167.2	-661135.1	-508601.5	-606441.9	-1405781.5	-75.87
				4433	-1355167.2	-591352.5	-508601.5	-540055.5	-1402327.1	-76.98
				4333	-1355167.2	-591352.5	-508601.5	-540055.5	-1402327.1	-76.98
				4341	-1355167.2	-661135.1	-508601.5	-606441.9	-1405781.5	-75.87

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	18616.1	93080.7	-263.7	93345.9	18350.9	-86.59
4441	13725.2	68625.8	-82.1	68626.0	13725.0	-89.91
4433	12405.3	62026.6	-82.1	62026.8	12405.2	-89.91
4333	23511.1	117555.5	-451.7	117786.9	23279.7	-87.16
4341	25609.9	128049.5	-451.7	128262.0	25397.4	-87.39
MIN Cent	8540.1	42700.7	-4685.1	43197.8	8043.1	-83.17
4441	5713.2	28565.9	-4524.5	29242.7	4956.3	-80.37
4433	4547.0	22734.9	-4524.5	23572.0	3601.5	-78.15
4333	11241.2	56205.9	-4851.4	56616.3	10830.7	-84.57
4341	12659.2	63296.2	-4851.4	63661.3	12294.1	-85.16

NODE	Vxx	Vyy

MAX Cent	0.0	-21420.5
4441	0.0	-22542.0
4433	0.0	-20299.0
4333	0.0	-20299.0
4341	0.0	-22542.0
MIN Cent	-0.0	-102636.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4441 -0.0 -106317.7
4433 -0.0 -98955.3
4333 -0.0 -98955.3
4341 -0.0 -106317.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2093 3 5 env SL~1 MAX Cent 5641084.4 -272702.7 -102031.9 5652546.6 -369882.7 -2.48
4433 5641084.4 -281897.3 -102031.9 5652560.8 -378689.3 -2.48
4425 5641084.4 -263508.1 -102031.9 5652532.3 -361079.1 -2.47
4325 5641084.4 -263508.1 -102031.9 5652532.3 -361079.1 -2.47
4333 5641084.4 -281897.3 -102031.9 5652560.8 -378689.3 -2.48
MIN Cent -1345590.9 -590561.5 -462053.4 -554021.0 -1371059.0 -81.69
4433 -1345590.9 -589925.2 -462053.4 -564632.2 -1371158.4 -81.58
4425 -1345590.9 -591197.9 -462053.4 -543403.8 -1370960.2 -81.80
4325 -1345590.9 -591197.9 -462053.4 -543403.8 -1370960.2 -81.80
4333 -1345590.9 -589925.2 -462053.4 -564632.2 -1371158.4 -81.58

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 17125.7 85628.7 -244.7 85917.6 16836.9 -86.29
4433 12405.3 62026.6 -56.3 62026.7 12405.3 -89.94
4425 11306.0 56530.1 -56.3 56530.2 11305.9 -89.93
4325 21859.8 109299.2 -437.8 109548.7 21610.4 -86.95
4333 23511.1 117555.5 -437.8 117787.5 23279.1 -87.16
MIN Cent 7395.3 36976.5 -4685.9 37547.6 6824.2 -82.16
4433 4547.0 22734.9 -4528.2 23572.6 3599.9 -78.15
4425 3647.0 18235.2 -4528.2 19256.3 2494.0 -75.65
4325 10146.0 50730.1 -4849.4 51183.3 9692.8 -84.00
4333 11241.2 56205.9 -4849.4 56615.8 10831.3 -84.57

NODE Vxx Vyy

MAX Cent 0.0 -19659.3
4433 0.0 -20299.0
4425 0.0 -19019.7
4325 0.0 -19019.7
4333 0.0 -20299.0
MIN Cent -0.0 -95995.2
4433 -0.0 -98955.3
4425 -0.0 -93035.2
4325 0.0 -93035.2
4333 0.0 -98955.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2094 3 5 env SL~1 MAX Cent 5636393.2 -257886.2 -58695.9 5648936.8 -334786.3 -2.57

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4425 5636393.2 -262915.4 -58695.9 5648965.8 -339643.4 -2.58
4417 5636393.2 -252857.0 -58695.9 5648907.8 -329930.1 -2.57
4317 5636393.2 -252857.0 -58695.9 5648907.8 -329930.1 -2.57
4325 5636393.2 -262915.4 -58695.9 5648965.8 -339643.4 -2.58
MIN Cent -1341400.5 -605639.4 -408007.0 -543838.3 -1352188.4 -85.00
4425 -1341400.5 -591801.0 -408007.0 -553040.6 -1352313.7 -84.94
4417 -1341400.5 -619477.9 -408007.0 -534634.5 -1352065.5 -85.06
4317 -1341400.5 -619477.9 -408007.0 -534634.5 -1352065.5 -85.06
4325 -1341400.5 -591801.0 -408007.0 -553040.6 -1352313.7 -84.94

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 15831.9 79159.4 -233.8 79470.0 15521.2 -86.00
4425 11306.0 56530.1 -43.2 56530.1 11306.0 -89.95
4417 10179.3 50896.5 -43.2 51090.0 10179.3 -84.08
4317 20254.6 101272.8 -428.2 101540.0 19987.3 -86.72
4325 21859.8 109299.2 -428.2 109547.0 21612.1 -86.96
MIN Cent 6429.3 32146.6 -4703.7 32805.6 5770.3 -81.02
4425 3647.0 18235.2 -4556.8 19270.9 2479.2 -75.56
4417 2839.7 14198.6 -4556.8 15478.9 1399.1 -72.35
4317 9084.5 45422.4 -4857.8 45929.5 8577.3 -83.31
4325 10146.0 50730.1 -4857.8 51185.4 9690.7 -83.99

```

```

NODE   Vxx   Vyy
-----
MAX Cent -0.0 -18468.4
4425 -0.0 -19019.7
4417 -0.0 -17917.2
4317 0.0 -17917.2
4325 0.0 -19019.7
MIN Cent -0.0 -90221.5
4425 -0.0 -93035.2
4417 -0.0 -87407.8
4317 0.0 -87407.8
4325 0.0 -93035.2

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2095 3 5 env SL~1 MAX Cent 5629462.3 -245333.2 -19645.4 5649459.6 -307682.5 -3.24
4417 5629462.3 -252354.9 -19645.4 5649520.2 -314506.1 -3.25
4409 5629462.3 -238311.4 -19645.4 5649399.4 -300860.1 -3.23
4309 5629462.3 -238311.4 -19645.4 5649399.4 -300860.1 -3.23
4317 5629462.3 -252354.9 -19645.4 5649520.2 -314506.1 -3.25
MIN Cent -1337782.0 -641753.5 -365291.0 -530989.6 -1338640.4 -88.13
4417 -1337782.0 -620922.4 -365291.0 -539075.8 -1338663.4 -88.11
4409 -1337782.0 -662584.5 -365291.0 -522903.1 -1338631.9 -88.15
4309 -1337782.0 -662584.5 -365291.0 -522903.1 -1338631.9 -88.15
4317 -1337782.0 -620922.4 -365291.0 -539075.8 -1338663.4 -88.11

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	14503.4	72517.2	-259.2	72861.6	14159.0	-85.61
4417	10179.3	50896.5	-68.7	51094.6	10179.2	-84.05
4409	9133.7	45668.3	-68.7	46161.2	9084.8	-83.42
4309	18495.7	92478.5	-455.6	92777.7	18196.5	-86.37
4317	20254.6	101272.8	-455.6	101546.2	19981.1	-86.68
MIN Cent	5376.1	26880.3	-4706.1	27659.1	4597.2	-79.41
4417	2839.7	14198.6	-4521.4	15455.0	1420.6	-72.49
4409	1789.8	8948.9	-4521.4	10723.1	-173.5	-65.98
4309	7790.2	38951.2	-4898.3	39549.0	7192.4	-82.19
4317	9084.5	45422.4	-4898.3	45937.6	8569.2	-83.26

NODE	Vxx	Vyy

MAX Cent	-0.0	-16955.0
4417	0.0	-17917.2
4409	0.0	-15992.9
4309	-0.0	-15992.9
4317	-0.0	-17917.2
MIN Cent	-0.0	-84115.6
4417	0.0	-87407.8
4409	0.0	-80823.3
4309	-0.0	-80823.3
4317	-0.0	-87407.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2096	3	5	env SL~1	MAX Cent	5694906.2	-181488.4	21319.1	5720379.4	-220477.2	-3.73
				4409	5694906.2	-235757.6	21319.1	5719041.0	-273765.9	-3.54
				4401	5694906.2	71988.2	21319.1	5721874.2	45020.2	-3.95
				4301	5694906.2	71988.2	21319.1	5721874.2	45020.2	-3.95
				4309	5694906.2	-235757.6	21319.1	5719041.0	-273765.9	-3.54
				MIN Cent	-1368611.8	-685996.6	-390341.0	-685447.9	-1369160.5	88.38
				4409	-1368611.8	-649458.8	-390341.0	-529472.2	-1369058.5	88.68
				4401	-1368611.8	-842074.2	-390341.0	-841363.2	-1369322.8	87.90
				4301	-1368611.8	-842074.2	-390341.0	-841363.2	-1369322.8	87.90
				4309	-1368611.8	-649458.8	-390341.0	-529472.2	-1369058.5	88.68

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	13036.8	65184.0	-314.8	65519.5	12701.2	-85.43
4409	9133.7	45668.3	-177.6	46089.5	9084.0	-83.91
4401	8392.5	41962.6	-177.6	41963.5	8391.6	-89.70
4301	16991.2	84956.1	-462.4	85245.6	16701.7	-86.27
4309	18495.7	92478.5	-462.4	92744.6	18229.6	-86.57
MIN Cent	3812.0	19059.9	-4235.1	19919.6	2952.3	-76.99
4409	1789.8	8948.9	-3945.4	10301.1	281.6	-68.27

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4401 -715.5 -3577.3 -3945.4 1535.5 -5925.4 -33.57
4301 6383.4 31917.0 -4534.5 32535.1 5765.3 -81.26
4309 7790.2 38951.2 -4534.5 39461.6 7279.8 -82.77

```

```

NODE Vxx Vyy

```

```

MAX Cent -0.0 -14571.8

```

```

4409 0.0 -15992.9
4401 0.0 -13150.8
4301 -0.0 -13150.8
4309 -0.0 -15992.9

```

```

MIN Cent -0.0 -81266.2

```

```

4409 -0.0 -80823.3
4401 -0.0 -81709.0
4301 -0.0 -81709.0
4309 -0.0 -80823.3

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

2097 3 5 env SL~1 MAX Cent 5684867.7 -273253.9 226743.2 5693141.0 -273577.1 2.15

```

```

4389 5684867.7 45989.2 226743.2 5693675.8 37239.4 2.28
4381 5684867.7 -459583.6 226743.2 5692666.2 -459880.5 2.03
4281 5684867.7 -459583.6 226743.2 5692666.2 -459880.5 2.03
4289 5684867.7 45989.2 226743.2 5693675.8 37239.4 2.28

```

```

MIN Cent -1354864.9 -617262.4 -94487.6 -606177.8 -1365949.5 -83.06

```

```

4389 -1354864.9 -613123.7 -94487.6 -602099.2 -1365889.4 -83.10
4381 -1354864.9 -712704.0 -94487.6 -610255.8 -1366010.2 -83.02
4281 -1354864.9 -712704.0 -94487.6 -610255.8 -1366010.2 -83.02
4289 -1354864.9 -613123.7 -94487.6 -602099.2 -1365889.4 -83.10

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

MAX Cent 41050.5 205252.3 -1001.1 205422.9 40879.9 -88.16

```

```

4389 35096.5 175482.6 -801.4 175663.9 34915.2 -87.94
4381 33474.9 167374.4 -801.4 167564.4 33284.8 -87.84
4281 47109.2 235546.1 -1196.7 235708.5 46946.7 -88.32
4289 48521.3 242606.3 -1196.7 242764.0 48363.5 -88.37

```

```

MIN Cent 19850.1 99250.3 -5312.6 99451.6 19648.8 -87.12

```

```

4389 18946.6 94733.0 -5192.2 94930.6 18748.9 -87.08
4381 18013.3 90066.4 -5192.2 90274.3 17805.4 -86.93
4281 20925.2 104625.9 -5535.5 104828.2 20722.9 -87.19
4289 21515.2 107576.1 -5535.5 107772.9 21318.4 -87.27

```

```

NODE Vxx Vyy

```

```

MAX Cent -0.0 -11045.7

```

```

4389 0.0 -10128.2
4381 0.0 -11963.2

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

4281 -0.0 -11963.2
 4289 -0.0 -10128.2
 MIN Cent -0.0 -116801.8
 4389 0.0 -115897.0
 4381 0.0 -117706.5
 4281 -0.0 -117706.5
 4289 -0.0 -115897.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2098	3	5	env SL~1	MAX Cent	5614105.6	-444221.2	143330.8	5617086.3	-455654.4	1.27
				4381	5614105.6	-466422.3	143330.8	5617077.9	-477744.4	1.26
				4373	5614105.6	-422020.0	143330.8	5617094.8	-433566.7	1.27
				4273	5614105.6	-422020.0	143330.8	5617094.8	-433566.7	1.27
				4281	5614105.6	-466422.3	143330.8	5617077.9	-477744.4	1.26
				MIN Cent	-1353053.4	-709397.1	-160330.9	-586148.3	-1375110.0	-80.37
				4381	-1353053.4	-726654.7	-160330.9	-598617.6	-1375474.6	-80.22
				4373	-1353053.4	-692139.6	-160330.9	-573667.5	-1374756.8	-80.53
				4273	-1353053.4	-692139.6	-160330.9	-573667.5	-1374756.8	-80.53
				4281	-1353053.4	-726654.7	-160330.9	-598617.6	-1375474.6	-80.22

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	39295.8	196478.9	-1102.2	196679.2	39095.4	-87.96
4381	33474.9	167374.4	-883.6	167584.3	33265.0	-87.73
4373	31861.6	159308.2	-883.6	159528.7	31641.1	-87.62
4273	44737.4	223686.8	-1325.1	223884.2	44540.0	-88.10
4281	47109.2	235546.1	-1325.1	235733.5	46921.8	-88.19
MIN Cent	18946.9	94734.5	-5615.4	94966.7	18714.7	-86.84
4381	18013.3	90066.4	-5334.0	90291.9	17787.8	-86.80
4373	17097.4	85487.1	-5334.0	85724.6	16859.9	-86.63
4273	19751.7	98758.4	-5945.5	98999.7	19510.4	-86.84
4281	20925.2	104625.9	-5945.5	104853.7	20697.4	-87.02

NODE	Vxx	Vyy
MAX Cent	-0.0	-11298.2
4381	-0.0	-11963.2
4373	-0.0	-10633.3
4273	0.0	-10633.3
4281	0.0	-11963.2
MIN Cent	-0.0	-114431.9
4381	-0.0	-117706.5
4373	-0.0	-111157.3
4273	-0.0	-111157.3
4281	-0.0	-117706.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2099	3	5	env SL~1	MAX Cent	5622450.2	-405412.3	-7172.9	5622515.6	-440559.9	-0.19
				4373	5622450.2	-420467.6	-7172.9	5622515.4	-455384.3	-0.18
				4365	5622450.2	-390357.0	-7172.9	5622515.9	-425738.6	-0.19
				4265	5622450.2	-390357.0	-7172.9	5622515.9	-425738.6	-0.19
				4273	5622450.2	-420467.6	-7172.9	5622515.4	-455384.3	-0.18
				MIN Cent	-1351303.1	-669452.2	-280653.7	-571696.8	-1379059.5	-79.31
				4373	-1351303.1	-690541.8	-280653.7	-567742.0	-1378907.9	-80.44
				4365	-1351303.1	-648362.6	-280653.7	-575975.9	-1379212.7	-79.26
				4265	-1351303.1	-648362.6	-280653.7	-575975.9	-1379212.7	-79.26
				4273	-1351303.1	-690541.8	-280653.7	-567742.0	-1378907.9	-80.44
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	37315.8	186578.9	-1104.7	186783.8	37110.9	-87.88
				4373	31861.6	159308.2	-887.4	159522.1	31647.8	-87.66
				4365	30151.0	150754.8	-887.4	150980.7	29925.0	-87.52
				4265	42513.2	212565.8	-1326.4	212767.3	42311.7	-88.03
				4273	44737.4	223686.8	-1326.4	223878.3	44545.9	-88.13
				MIN Cent	17889.8	89449.2	-5534.3	89688.4	17650.6	-86.70
				4373	17097.4	85487.1	-5230.1	85717.2	16867.3	-86.69
				4365	16051.2	80255.8	-5230.1	80596.0	15710.5	-86.48
				4265	18640.0	93200.0	-5857.0	93449.1	18390.9	-86.70
				4273	19751.7	98758.4	-5857.0	98993.6	19516.5	-86.88
				NODE	Vxx	Vyy				
				MAX Cent	0.0	-9942.7				
				4373	-0.0	-10633.3				
				4365	-0.0	-9252.1				
				4265	0.0	-9252.1				
				4273	0.0	-10633.3				
				MIN Cent	0.0	-108940.7				
				4373	-0.0	-111157.3				
				4365	-0.0	-106724.2				
				4265	0.0	-106724.2				
				4273	0.0	-111157.3				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2100	3	5	env SL~1	MAX Cent	5628860.7	-377746.6	-97640.2	5630924.9	-435621.1	-1.04
				4365	5628860.7	-389250.3	-97640.2	5630922.1	-446836.7	-1.04
				4357	5628860.7	-366242.9	-97640.2	5630927.6	-424408.4	-1.04
				4257	5628860.7	-366242.9	-97640.2	5630927.6	-424408.4	-1.04
				4265	5628860.7	-389250.3	-97640.2	5630922.1	-446836.7	-1.04
				MIN Cent	-1354116.9	-644851.2	-360183.9	-578199.4	-1389439.8	-77.96
				4365	-1354116.9	-647378.5	-360183.9	-570600.4	-1389048.9	-79.51

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4357 -1354116.9 -642323.9 -360183.9 -586874.0 -1389839.2 -77.82
 4257 -1354116.9 -642323.9 -360183.9 -586874.0 -1389839.2 -77.82
 4265 -1354116.9 -647378.5 -360183.9 -570600.4 -1389048.9 -79.51

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 35356.8 176784.2 -1102.7 177001.3 35139.8 -87.76
 4365 30151.0 150754.8 -883.5 150981.9 29923.8 -87.52
 4357 28473.0 142364.9 -883.5 142605.3 28232.5 -87.37
 4257 40290.3 201451.5 -1326.2 201664.6 40077.1 -87.92
 4265 42513.2 212565.8 -1326.2 212767.9 42311.1 -88.03
 MIN Cent 16825.3 84126.5 -5544.6 84381.9 16569.8 -86.48
 4365 16051.2 80255.8 -5258.6 80597.5 15706.6 -86.47
 4357 14792.6 73962.9 -5258.6 74336.3 14419.1 -85.47
 4257 17523.0 87615.1 -5865.1 87881.0 17257.1 -86.48
 4265 18640.0 93200.0 -5865.1 93450.1 18389.9 -86.69

NODE Vxx Vyy

MAX Cent -0.0 -8449.9
 4365 -0.0 -9252.1
 4357 -0.0 -7647.8
 4257 0.0 -7647.8
 4265 0.0 -9252.1
 MIN Cent -0.0 -104372.1
 4365 -0.0 -106724.2
 4357 -0.0 -102020.0
 4257 -0.0 -102020.0
 4265 -0.0 -106724.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2101 3 5 env SL~1 MAX Cent 5631139.0 -354779.2 -159640.3 5636395.9 -431585.8 -1.67
 4357 5631139.0 -365324.2 -159640.3 5636393.8 -441783.0 -1.67
 4349 5631139.0 -344234.3 -159640.3 5636398.0 -421391.6 -1.67
 4249 5631139.0 -344234.3 -159640.3 5636398.0 -421391.6 -1.67
 4257 5631139.0 -365324.2 -159640.3 5636393.8 -441783.0 -1.67
 MIN Cent -1358887.0 -650447.0 -426322.4 -593179.0 -1403080.6 -76.49
 4357 -1358887.0 -642547.8 -426322.4 -580099.0 -1402338.3 -76.71
 4349 -1358887.0 -658346.2 -426322.4 -606234.6 -1403847.1 -76.27
 4249 -1358887.0 -658346.2 -426322.4 -606234.6 -1403847.1 -76.27
 4257 -1358887.0 -642547.8 -426322.4 -580099.0 -1402338.3 -76.71

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 33416.9 167084.6 -1103.4 167313.6 33187.9 -87.63
 4357 28473.0 142364.9 -884.2 142605.0 28232.9 -87.37
 4349 26805.1 134025.5 -884.2 134280.5 26550.1 -87.21

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4249 38099.3 190496.5 -1327.0 190721.1 37874.7 -87.80
4257 40290.3 201451.5 -1327.0 201663.8 40077.9 -87.92
MIN Cent 15773.6 78867.8 -5537.4 79139.5 15501.9 -86.25
4357 14792.6 73962.9 -5262.3 74337.0 14418.4 -85.47
4349 13529.4 67647.1 -5262.3 68055.7 13120.9 -85.05
4249 16429.6 82148.1 -5854.2 82430.6 16147.1 -86.26
4257 17523.0 87615.1 -5854.2 87880.1 17258.0 -86.49

```

NODE Vxx Vyy

```

-----
MAX Cent -0.0 -6750.0
4357 0.0 -7647.8
4349 0.0 -5852.2
4249 0.0 -5852.2
4257 0.0 -7647.8
MIN Cent -0.0 -99761.9
4357 0.0 -102020.0
4349 0.0 -97503.8
4249 -0.0 -97503.8
4257 -0.0 -102020.0

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
2102 3 5 env SL~1 MAX Cent 5634275.5 -331320.5 -182369.0 5642525.7 -420668.2 -2.13
4349 5634275.5 -343295.9 -182369.0 5642510.2 -432185.8 -2.12
4341 5634275.5 -319345.1 -182369.0 5642541.3 -409155.2 -2.13
4241 5634275.5 -319345.1 -182369.0 5642541.3 -409155.2 -2.13
4249 5634275.5 -343295.9 -182369.0 5642510.2 -432185.8 -2.12
MIN Cent -1360764.5 -651529.4 -467177.8 -598867.5 -1408657.4 -75.92
4349 -1360764.5 -658389.5 -467177.8 -603391.4 -1408943.5 -75.84
4341 -1360764.5 -644669.4 -467177.8 -594340.5 -1408374.5 -76.00
4241 -1360764.5 -644669.4 -467177.8 -594340.5 -1408374.5 -76.00
4249 -1360764.5 -658389.5 -467177.8 -603391.4 -1408943.5 -75.84

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 31759.3 158796.7 -1107.9 159037.8 31518.3 -87.51
4349 26805.1 134025.5 -890.6 134280.9 26549.8 -87.21
4341 25610.6 128052.8 -890.6 128320.0 25343.4 -87.08
4241 36522.4 182612.0 -1329.9 182846.3 36288.2 -87.71
4249 38099.3 190496.5 -1329.9 190721.1 37874.7 -87.80
MIN Cent 14814.6 74073.0 -5539.4 74480.4 14407.1 -85.28
4349 13529.4 67647.1 -5266.9 68056.5 13120.0 -85.05
4341 12658.9 63294.7 -5266.9 63731.8 12221.9 -84.71
4241 15654.7 78273.7 -5854.3 78569.8 15358.7 -86.08
4249 16429.6 82148.1 -5854.3 82430.4 16147.4 -86.26

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  -0.0 -5266.3
  4349   0.0 -5852.2
  4341   0.0 -4680.4
  4241   0.0 -4680.4
  4249   0.0 -5852.2
MIN Cent  -0.0 -95853.5
  4349  -0.0 -97503.8
  4341  -0.0 -94203.1
  4241  -0.0 -94203.1
  4249  -0.0 -97503.8

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2103  3  5 env SL~1 MAX Cent 5641266.8 -295307.4 -144130.8 5650824.5 -387152.2 -2.30
      4341 5641266.8 -317904.5 -144130.8 5650789.6 -408855.9 -2.29
      4333 5641266.8 -272710.3 -144130.8 5650859.6 -365465.4 -2.31
      4233 5641266.8 -272710.3 -144130.8 5650859.6 -365465.4 -2.31
      4241 5641266.8 -317904.5 -144130.8 5650789.6 -408855.9 -2.29
MIN Cent -1353128.9 -611214.9 -467651.3 -578498.6 -1384077.2 -78.85
      4341 -1353128.9 -643056.8 -467651.3 -609102.2 -1385106.1 -78.41
      4333 -1353128.9 -579373.0 -467651.3 -547804.2 -1383098.3 -79.27
      4233 -1353128.9 -579373.0 -467651.3 -547804.2 -1383098.3 -79.27
      4241 -1353128.9 -643056.8 -467651.3 -609102.2 -1385106.1 -78.41

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 29845.5 149227.4 -1099.9 149484.0 29588.8 -87.35
  4341 25610.6 128052.8 -886.2 128320.2 25343.1 -87.08
  4333 23509.7 117548.5 -886.2 117839.7 23218.5 -86.82
  4233 33739.2 168696.1 -1317.7 168949.7 33485.7 -87.52
  4241 36522.4 182612.0 -1317.7 182846.3 36288.1 -87.71
MIN Cent 13610.6 68053.2 -5541.1 68489.6 13174.2 -84.90
  4341 12658.9 63294.7 -5252.3 63729.2 12224.5 -84.73
  4333 11239.5 56197.7 -5252.3 56685.8 10751.4 -84.08
  4233 14184.4 70921.9 -5855.2 70972.5 13981.0 -88.29
  4241 15654.7 78273.7 -5855.2 78569.4 15359.1 -86.08

```

```

NODE Vxx Vyy
-----
MAX Cent  0.0 -4290.0
  4341   0.0 -4680.4
  4333   0.0 -3899.7
  4233   0.0 -3899.7
  4241   0.0 -4680.4
MIN Cent  -0.0 -91257.8
  4341  -0.0 -94203.1
  4333  -0.0 -88312.5
  4233  -0.0 -88312.5

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4241 -0.0 -94203.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2104	3	5	env SL~1	MAX Cent	5644818.8	-262694.6	-67491.7	5653624.3	-341440.6	-2.19
				4333	5644818.8	-271405.8	-67491.7	5653629.2	-349847.9	-2.19
				4325	5644818.8	-253983.4	-67491.7	5653619.3	-333035.5	-2.19
				4225	5644818.8	-253983.4	-67491.7	5653619.3	-333035.5	-2.19
				4233	5644818.8	-271405.8	-67491.7	5653629.2	-349847.9	-2.19
				MIN Cent	-1343644.5	-572232.2	-413417.1	-552744.9	-1357666.9	-84.11
				4333	-1343644.5	-577813.7	-413417.1	-566282.2	-1357749.8	-84.01
				4325	-1343644.5	-566650.7	-413417.1	-539202.7	-1357584.7	-84.21
				4225	-1343644.5	-566650.7	-413417.1	-539202.7	-1357584.7	-84.21
				4233	-1343644.5	-577813.7	-413417.1	-566282.2	-1357749.8	-84.01

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	27663.9	138319.7	-1083.5	138597.2	27386.5	-87.14
4333	23509.7	117548.5	-872.1	117840.4	23217.8	-86.82
4325	21866.5	109332.7	-872.1	109646.3	21552.9	-86.58
4225	31540.3	157701.7	-1297.6	157973.7	31268.4	-87.34
4233	33739.2	168696.1	-1297.6	168950.5	33484.9	-87.52
MIN Cent	12319.6	61597.8	-5548.2	62077.6	11839.8	-84.39
4333	11239.5	56197.7	-5250.9	56685.4	10751.8	-84.09
4325	10153.2	50765.9	-5250.9	51304.5	9614.6	-83.47
4225	13019.0	65095.1	-5864.1	65148.8	12883.0	-88.16
4233	14184.4	70921.9	-5864.1	70971.1	13980.4	-88.31

NODE Vxx Vyy

MAX Cent	-0.0	-3839.3
4333	-0.0	-3899.7
4325	-0.0	-3778.8
4225	0.0	-3778.8
4233	0.0	-3899.7
MIN Cent	-0.0	-85913.6
4333	-0.0	-88312.5
4325	-0.0	-83514.8
4225	0.0	-83514.8
4233	0.0	-88312.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2105	3	5	env SL~1	MAX Cent	5640835.5	-251093.6	-24943.4	5650788.5	-311595.3	-2.30
				4325	5640835.5	-253519.4	-24943.4	5650812.4	-313954.6	-2.30
				4317	5640835.5	-248667.8	-24943.4	5650764.8	-309236.2	-2.29
				4217	5640835.5	-248667.8	-24943.4	5650764.8	-309236.2	-2.29

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4225 5640835.5 -253519.4 -24943.4 5650812.4 -313954.6 -2.30
MIN Cent -1338801.2 -581108.3 -360069.8 -535316.4 -1342806.5 -87.42
4325 -1338801.2 -567005.8 -360069.8 -544860.9 -1342861.1 -87.39
4317 -1338801.2 -595210.9 -360069.8 -525771.4 -1342753.1 -87.45
4217 -1338801.2 -595210.9 -360069.8 -525771.4 -1342753.1 -87.45
4225 -1338801.2 -567005.8 -360069.8 -544860.9 -1342861.1 -87.39

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 25759.6 128798.0 -1071.7 129093.8 25463.9 -86.94
4325 21866.5 109332.7 -862.6 109644.5 21554.7 -86.59
4317 20226.3 101131.5 -862.6 101468.4 19889.4 -86.32
4217 29405.2 147026.2 -1282.5 147315.3 29116.2 -87.17
4225 31540.3 157701.7 -1282.5 157971.2 31270.8 -87.36
MIN Cent 11192.0 55960.2 -5528.1 56490.3 10661.9 -83.83
4325 10153.2 50765.9 -5259.7 51306.9 9612.2 -83.46
4317 9060.1 45300.7 -5259.7 45904.9 8455.9 -82.70
4217 11783.9 58919.5 -5837.8 58980.1 11657.0 -87.95
4225 13019.0 65095.1 -5837.8 65149.9 12885.3 -88.14

```

```

NODE   Vxx   Vyy
-----
MAX Cent 0.0 -3599.1
4325 0.0 -3778.8
4317 0.0 -3419.4
4217 0.0 -3419.4
4225 0.0 -3778.8
MIN Cent -0.0 -81378.7
4325 -0.0 -83514.8
4317 -0.0 -79242.7
4217 -0.0 -79242.7
4225 -0.0 -83514.8

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2106 3 5 env SL~1 MAX Cent 5639131.5 -225379.8 13647.3 5655780.7 -272691.9 -2.97
4317 5639131.5 -247639.2 13647.3 5655762.9 -294467.9 -2.96
4309 5639131.5 -203120.3 13647.3 5655798.6 -250925.8 -2.97
4209 5639131.5 -203120.3 13647.3 5655798.6 -250925.8 -2.97
4217 5639131.5 -247639.2 13647.3 5655762.9 -294467.9 -2.96
MIN Cent -1335727.4 -595627.7 -321175.2 -521516.2 -1335786.0 89.51
4317 -1335727.4 -595627.7 -321175.2 -526706.1 -1335786.4 89.51
4309 -1335727.4 -587429.4 -321175.2 -516326.2 -1335785.7 89.52
4209 -1335727.4 -587429.4 -321175.2 -516326.2 -1335785.7 89.52
4217 -1335727.4 -595627.7 -321175.2 -526706.1 -1335786.4 89.51

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 23839.1 119195.4 -1108.2 119521.8 23512.7 -86.66
  4317 20226.3 101131.5 -889.2 101475.1 19882.7 -86.28
  4309 18611.2 93055.9 -889.2 93429.1 18238.1 -85.96
  4209 27113.6 135567.8 -1332.0 135889.0 26792.4 -86.89
  4217 29405.2 147026.2 -1332.0 147322.5 29108.9 -87.13
MIN Cent 9968.5 49842.4 -5588.3 50448.8 9362.1 -83.02
  4317 9060.1 45300.7 -5295.7 45912.5 8448.3 -82.66
  4309 7885.5 39427.5 -5295.7 40126.9 7186.1 -81.62
  4209 10378.2 51891.1 -5910.9 51965.5 10133.7 -87.58
  4217 11783.9 58919.5 -5910.9 58985.0 11640.0 -87.87

```

```

NODE   Vxx   Vyy
-----
MAX Cent  0.0 -2590.7
  4317  -0.0 -3419.4
  4309  -0.0 -1762.0
  4209   0.0 -1762.0
  4217   0.0 -3419.4
MIN Cent  0.0 -76322.3
  4317  -0.0 -79242.7
  4309  -0.0 -73401.8
  4209   0.0 -73401.8
  4217   0.0 -79242.7

```

```

ELEM MAT SEC  LC  NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
2107  3   5 env SL~1 MAX Cent 5684126.4 -222626.1  33781.2 5701278.3 -248885.4 -3.06
      4309 5684126.4 -203010.2  33781.2 5700703.1 -229515.6 -2.95
      4301 5684126.4 -105616.8  33781.2 5701894.7 -123385.0 -3.17
      4201 5684126.4 -105616.8  33781.2 5701894.7 -123385.0 -3.17
      4209 5684126.4 -203010.2  33781.2 5700703.1 -229515.6 -2.95
MIN Cent -1364120.1 -663538.3 -321230.9 -662098.4 -1365560.0 87.41
      4309 -1364120.1 -578341.6 -321230.9 -520864.3 -1365318.8 87.84
      4301 -1364120.1 -805013.5 -321230.9 -803211.4 -1365922.3 86.76
      4201 -1364120.1 -805013.5 -321230.9 -803211.4 -1365922.3 86.76
      4209 -1364120.1 -578341.6 -321230.9 -520864.3 -1365318.8 87.84

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent 21826.0 109130.2 -1099.5 109456.1 21500.1 -86.51
  4309 18611.2 93055.9 -901.1 93391.7 18275.4 -86.17
  4301 16508.5 82542.3 -901.1 82920.4 16130.4 -85.69
  4201 25070.9 125354.7 -1301.9 125675.0 24750.7 -86.77
  4209 27113.6 135567.8 -1301.9 135864.1 26817.3 -87.01
MIN Cent 8505.1 42525.5 -5344.2 43154.2 7876.4 -82.33
  4309 7885.5 39427.5 -5010.7 40029.5 7283.5 -82.21
  4301 5961.0 29804.9 -5010.7 30590.6 5175.3 -79.87
  4201 9147.5 45737.7 -5676.2 45817.0 8796.4 -87.34
  4209 10378.2 51891.1 -5676.2 51961.0 10190.4 -87.65

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	-1343.2
4309	-0.0	-1762.0
4301	-0.0	-924.5
4201	0.0	-924.5
4209	0.0	-1762.0
MIN Cent	-0.0	-73661.3
4309	-0.0	-73401.8
4301	-0.0	-73920.7
4201	-0.0	-73920.7
4209	-0.0	-73401.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2108	3	5	env SL~1	MAX Cent	5680053.5	-248017.2	223405.7	5688128.5	-248146.6	2.10
				4289	5680053.5	-61832.1	223405.7	5688512.0	-70290.7	2.20
				4281	5680053.5	-415409.1	223405.7	5687778.3	-415528.8	2.01
				4181	5680053.5	-415409.1	223405.7	5687778.3	-415528.8	2.01
				4189	5680053.5	-61832.1	223405.7	5688512.0	-70290.7	2.20
				MIN Cent	-1347528.8	-580581.6	-58472.9	-576475.4	-1351635.0	-85.83
				4289	-1347528.8	-558166.4	-58472.9	-554175.6	-1351519.6	-85.94
				4281	-1347528.8	-652657.6	-58472.9	-598768.4	-1351757.3	-85.70
				4181	-1347528.8	-652657.6	-58472.9	-598768.4	-1351757.3	-85.70
				4189	-1347528.8	-558166.4	-58472.9	-554175.6	-1351519.6	-85.94

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	53879.4	269397.2	-1874.3	269600.0	53676.7	-88.24
4289	49122.3	245611.3	-1689.8	245814.9	48918.6	-88.16
4281	46969.5	234847.4	-1689.8	235060.3	46756.5	-88.07
4181	59089.2	295446.1	-2046.9	295645.9	58889.4	-88.34
4189	60336.8	301684.2	-2046.9	301879.8	60141.2	-88.37
MIN Cent	21321.7	106608.4	-6614.0	106861.2	21068.9	-86.89
4289	21953.6	109767.9	-6328.9	109999.5	21722.0	-87.06
4281	20820.6	104102.8	-6328.9	104346.9	20576.4	-86.91
4181	20017.7	100088.3	-6874.9	100159.2	19946.7	-88.30
4189	20788.8	103944.1	-6874.9	104012.3	20720.5	-88.36

NODE	Vxx	Vyy

MAX Cent	0.0	22171.8
4289	0.0	24324.4
4281	0.0	20019.2
4181	0.0	20019.2
4189	0.0	24324.4
MIN Cent	-0.0	-100723.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4289 -0.0 -96816.4
4281 -0.0 -104630.9
4181 0.0 -104630.9
4189 0.0 -96816.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2109	3	5	env SL~1	MAX Cent	5624559.8	-403490.3	183377.0	5629570.9	-407282.4	1.65
				4281	5624559.8	-421628.0	183377.0	5629565.3	-425389.3	1.65
				4273	5624559.8	-385352.6	183377.0	5629576.6	-389176.0	1.65
				4173	5624559.8	-385352.6	183377.0	5629576.6	-389176.0	1.65
				4181	5624559.8	-421628.0	183377.0	5629565.3	-425389.3	1.65
				MIN Cent	-1348961.8	-656575.9	-97318.8	-576889.9	-1359818.6	-83.24
				4281	-1348961.8	-663545.2	-97318.8	-592206.9	-1360038.4	-83.10
				4273	-1348961.8	-649606.5	-97318.8	-561564.4	-1359607.3	-83.37
				4173	-1348961.8	-649606.5	-97318.8	-561564.4	-1359607.3	-83.37
				4181	-1348961.8	-663545.2	-97318.8	-592206.9	-1360038.4	-83.10
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	51775.3	258876.4	-2043.9	259120.8	51530.9	-88.03
				4281	46969.5	234847.4	-1812.7	235087.7	46729.1	-87.95
				4273	44770.3	223851.7	-1812.7	224103.8	44518.2	-87.85
				4173	56272.1	281360.5	-2277.1	281612.1	56020.5	-88.09
				4181	59089.2	295446.1	-2277.1	295685.7	58849.6	-88.18
				MIN Cent	20374.0	101870.0	-7118.5	102168.2	20075.7	-86.54
				4281	20820.6	104102.8	-6724.1	104374.1	20549.2	-86.74
				4273	19776.9	98884.5	-6724.1	99170.0	19491.4	-86.57
				4173	18647.7	93238.6	-7529.5	93331.1	18555.2	-87.98
				4181	20017.7	100088.3	-7529.5	100174.5	19931.5	-88.12
				NODE	Vxx	Vyy				
				MAX Cent	-0.0	20290.0				
				4281	-0.0	20019.2				
				4273	-0.0	20560.7				
				4173	0.0	20560.7				
				4181	0.0	20019.2				
				MIN Cent	-0.0	-101963.3				
				4281	-0.0	-104630.9				
				4273	-0.0	-99295.8				
				4173	0.0	-99295.8				
				4181	0.0	-104630.9				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2110	3	5	env SL~1	MAX Cent	5629943.8	-372358.6	33970.9	5630028.8	-392929.6	0.21

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4273 5629943.8 -384107.3 33970.9 5630028.5 -404570.0 0.21
4265 5629943.8 -360609.9 33970.9 5630029.1 -381290.3 0.21
4165 5629943.8 -360609.9 33970.9 5630029.1 -381290.3 0.21
4173 5629943.8 -384107.3 33970.9 5630028.5 -404570.0 0.21
MIN Cent -1346803.4 -631151.1 -218686.2 -561231.2 -1362526.7 -81.95
4273 -1346803.4 -648589.5 -218686.2 -556598.3 -1362425.8 -83.23
4265 -1346803.4 -613712.7 -218686.2 -566305.3 -1362628.9 -81.90
4165 -1346803.4 -613712.7 -218686.2 -566305.3 -1362628.9 -81.90
4173 -1346803.4 -648589.5 -218686.2 -556598.3 -1362425.8 -83.23

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 49306.4 246532.2 -2054.5 246781.9 49056.7 -87.96
4273 44770.3 223851.7 -1813.3 224097.3 44524.7 -87.88
4265 42504.8 212523.9 -1813.3 212782.6 42246.1 -87.77
4165 53678.5 268392.4 -2298.5 268648.3 53422.6 -88.02
4173 56272.1 281360.5 -2298.5 281604.7 56028.0 -88.11
MIN Cent 19114.9 95574.7 -7022.5 95651.9 18931.7 -88.18
4273 19776.9 98884.5 -6636.8 99163.3 19498.1 -86.61
4265 18633.7 93168.6 -6636.8 93464.4 18337.9 -86.40
4165 17140.6 85702.9 -7417.0 85806.4 17037.1 -87.78
4173 18647.7 93238.6 -7417.0 93333.7 18552.6 -87.96

```

```

NODE   Vxx   Vyy
-----
MAX Cent 0.0 21078.3
4273 0.0 20560.7
4265 0.0 21596.0
4165 -0.0 21596.0
4173 -0.0 20560.7
MIN Cent 0.0 -97879.7
4273 0.0 -99295.8
4265 0.0 -96463.6
4165 -0.0 -96463.6
4173 -0.0 -99295.8

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2111 3 5 env SL~1 MAX Cent 5635170.8 -349922.0 -58248.3 5636005.4 -388839.7 -0.66
4265 5635170.8 -359712.4 -58248.3 5636004.5 -398460.8 -0.66
4257 5635170.8 -340131.6 -58248.3 5636006.3 -379220.2 -0.67
4157 5635170.8 -340131.6 -58248.3 5636006.3 -379220.2 -0.67
4165 5635170.8 -359712.4 -58248.3 5636004.5 -398460.8 -0.66
MIN Cent -1349694.8 -612858.5 -314307.2 -569699.8 -1371406.8 -80.53
4265 -1349694.8 -612981.0 -314307.2 -562353.8 -1371173.6 -82.27
4257 -1349694.8 -612736.1 -314307.2 -578164.3 -1371645.0 -80.43
4157 -1349694.8 -612736.1 -314307.2 -578164.3 -1371645.0 -80.43
4165 -1349694.8 -612981.0 -314307.2 -562353.8 -1371173.6 -82.27

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	46902.9	234514.3	-2053.1	234776.8	46640.3	-87.86
4265	42504.8	212523.9	-1813.1	212783.3	42245.4	-87.76
4257	40292.0	201460.1	-1813.1	201733.7	40018.5	-87.64
4157	51136.1	255680.6	-2295.7	255948.6	50868.1	-87.93
4165	53678.5	268392.4	-2295.7	268647.8	53423.1	-88.03
MIN Cent	17630.0	88149.9	-7023.0	88235.4	17544.5	-88.01
4265	18633.7	93168.6	-6645.7	93465.6	18336.8	-86.40
4257	17524.4	87621.8	-6645.7	87937.4	17208.7	-86.17
4157	15519.6	77597.8	-7409.2	77715.4	15402.0	-87.51
4165	17140.6	85702.9	-7409.2	85809.4	17034.1	-87.74

NODE	Vxx	Vyy

MAX Cent	0.0	22444.5
4265	-0.0	21596.0
4257	-0.0	23293.0
4157	0.0	23293.0
4165	0.0	21596.0
MIN Cent	-0.0	-95040.8
4265	-0.0	-96463.6
4257	-0.0	-93618.0
4157	0.0	-93618.0
4165	0.0	-96463.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2112	3	5	env SL~1	MAX Cent	5636973.7	-330106.2	-122102.8	5640131.3	-384994.4	-1.30
				4257	5636973.7	-339339.0	-122102.8	5640130.2	-394003.3	-1.30
				4249	5636973.7	-320873.5	-122102.8	5640132.4	-375987.3	-1.30
				4149	5636973.7	-320873.5	-122102.8	5640132.4	-375987.3	-1.30
				4157	5636973.7	-339339.0	-122102.8	5640130.2	-394003.3	-1.30
				MIN Cent	-1354529.9	-622723.2	-381412.5	-586583.0	-1383534.0	-79.00
				4257	-1354529.9	-613130.6	-381412.5	-572596.2	-1383015.2	-79.19
				4249	-1354529.9	-632315.8	-381412.5	-600551.2	-1384071.4	-78.80
				4149	-1354529.9	-632315.8	-381412.5	-600551.2	-1384071.4	-78.80
				4157	-1354529.9	-613130.6	-381412.5	-572596.2	-1383015.2	-79.19

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	44547.5	222737.4	-2054.9	223012.5	44272.4	-87.75
4257	40292.0	201460.1	-1813.8	201732.9	40019.3	-87.65
4249	38098.6	190493.2	-1813.8	190781.6	37810.3	-87.51
4149	48663.2	243315.8	-2298.8	243595.6	48383.4	-87.83
4157	51136.1	255680.6	-2298.8	255946.8	50869.8	-87.94
MIN Cent	16071.5	80357.4	-7006.4	80452.8	15976.1	-87.80
4257	17524.4	87621.8	-6635.6	87936.4	17209.7	-86.18

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4249	16429.1	82145.3	-6635.6	82480.7	16093.6	-85.92
4149	13795.5	68977.5	-7384.8	69113.0	13660.1	-87.17
4157	15519.6	77597.8	-7384.8	77718.3	15399.1	-87.48

NODE Vxx Vyy

MAX Cent 0.0 24413.6

4257	0.0	23293.0
4249	0.0	25534.1
4149	0.0	25534.1
4157	0.0	23293.0

MIN Cent -0.0 -92411.3

4257	-0.0	-93618.0
4249	-0.0	-91204.5
4149	-0.0	-91204.5
4157	-0.0	-93618.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2113 3 5 env SL~1 MAX Cent 5639527.3 -310036.2 -142829.9 5644883.7 -375409.3 -1.74

4249	5639527.3	-320070.7	-142829.9	5644875.8	-385154.9	-1.74
4241	5639527.3	-300001.7	-142829.9	5644891.6	-365666.2	-1.75
4141	5639527.3	-300001.7	-142829.9	5644891.6	-365666.2	-1.75
4149	5639527.3	-320070.7	-142829.9	5644875.8	-385154.9	-1.74

MIN Cent -1357356.7 -629785.9 -420947.6 -598515.5 -1388562.5 -78.54

4249	-1357356.7	-632598.3	-420947.6	-599415.2	-1388599.6	-78.52
4241	-1357356.7	-628784.5	-420947.6	-597615.7	-1388525.6	-78.55
4141	-1357356.7	-628784.5	-420947.6	-597615.7	-1388525.6	-78.55
4149	-1357356.7	-632598.3	-420947.6	-599415.2	-1388599.6	-78.52

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 42543.9 212719.3 -2058.0 213007.1 42256.1 -87.65

4249	38098.6	190493.2	-1816.8	190781.6	37810.2	-87.51
4241	36523.1	182615.7	-1816.8	182916.5	36222.3	-87.40
4141	46890.5	234452.5	-2302.1	234742.4	46600.6	-87.75
4149	48663.2	243315.8	-2302.1	243595.2	48383.8	-87.83

MIN Cent 14735.3 73676.3 -7004.2 73777.9 14633.7 -87.62

4249	16429.1	82145.3	-6636.0	82480.5	16093.8	-85.93
4241	15655.1	78275.5	-6636.0	78627.2	15303.5	-85.73
4141	12654.6	63273.0	-7379.7	63415.7	12511.9	-86.97
4149	13795.5	68977.5	-7379.7	69108.4	13664.6	-87.21

NODE Vxx Vyy

MAX Cent 0.0 26075.5

4249	0.0	25534.1
4241	0.0	26616.9

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

4141  -0.0 26616.9
4149  -0.0 25534.1
MIN Cent  -0.0 -90353.4
4249   0.0 -91204.5
4241  -0.0 -89502.4
4141  -0.0 -89502.4
4149  -0.0 -91204.5

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2114  3  5 env SL~1 MAX Cent 5645155.1 -280253.0 -103999.6 5651686.4 -347481.3 -1.86
      4241 5645155.1 -298810.3 -103999.6 5651667.7 -365486.2 -1.86
      4233 5645155.1 -261695.7 -103999.6 5651705.2 -329485.4 -1.87
      4133 5645155.1 -261695.7 -103999.6 5651705.2 -329485.4 -1.87
      4141 5645155.1 -298810.3 -103999.6 5651667.7 -365486.2 -1.86
MIN Cent -1351106.8 -598472.0 -421207.0 -581912.8 -1367666.0 -81.65
      4241 -1351106.8 -627534.6 -421207.0 -610339.9 -1368301.5 -81.34
      4233 -1351106.8 -569409.5 -421207.0 -553441.4 -1367075.0 -81.95
      4133 -1351106.8 -569409.5 -421207.0 -553441.4 -1367075.0 -81.95
      4141 -1351106.8 -627534.6 -421207.0 -610339.9 -1368301.5 -81.34

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 40225.5 201127.3 -2036.6 201431.7 39921.0 -87.51
      4241 36523.1 182615.7 -1805.6 182916.6 36222.3 -87.40
      4233 33737.5 168687.4 -1805.6 169013.0 33411.9 -87.19
      4133 43750.7 218753.3 -2268.9 219064.1 43439.8 -87.59
      4141 46890.5 234452.5 -2268.9 234742.6 46600.4 -87.75
MIN Cent 13466.3 67331.7 -7005.7 67433.4 13364.7 -87.51
      4241 15655.1 78275.5 -6637.0 78626.7 15303.9 -85.73
      4233 14183.2 70915.8 -6637.0 70997.8 13919.0 -87.83
      4133 11289.9 56449.4 -7381.8 56590.1 11149.2 -86.81
      4141 12654.6 63273.0 -7381.8 63398.6 12529.1 -87.15

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 25797.5
      4241 -0.0 26616.9
      4233 -0.0 24978.0
      4133 0.0 24978.0
      4141 0.0 26616.9
MIN Cent 0.0 -87973.5
      4241 -0.0 -89502.4
      4233 -0.0 -86444.7
      4133 0.0 -86444.7
      4141 0.0 -89502.4

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2115	3	5	env SL~1	MAX Cent	5648538.4	-252621.4	-28200.7	5654602.8	-308629.5	-1.80
				4233	5648538.4	-260590.4	-28200.7	5654604.2	-316396.0	-1.80
				4225	5648538.4	-244652.4	-28200.7	5654601.3	-300864.5	-1.80
				4125	5648538.4	-244652.4	-28200.7	5654601.3	-300864.5	-1.80
				4133	5648538.4	-260590.4	-28200.7	5654604.2	-316396.0	-1.80
				MIN Cent	-1341629.6	-553834.0	-367478.0	-548757.6	-1346124.9	-86.90
				4233	-1341629.6	-567514.1	-367478.0	-565136.9	-1346170.6	-86.83
				4225	-1341629.6	-542872.1	-367478.0	-532376.3	-1346079.7	-86.96
				4125	-1341629.6	-542872.1	-367478.0	-532376.3	-1346079.7	-86.96
				4133	-1341629.6	-567514.1	-367478.0	-565136.9	-1346170.6	-86.83
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	37571.4	187857.0	-2003.7	188184.0	37244.4	-87.33
				4233	33737.5	168687.4	-1786.9	169013.9	33411.0	-87.19
				4225	31549.0	157745.2	-1786.9	158094.1	31200.1	-86.99
				4125	41248.4	206242.1	-2219.1	206573.2	40917.3	-87.44
				4133	43750.7	218753.3	-2219.1	219065.6	43438.4	-87.58
				MIN Cent	12222.9	61114.4	-7017.8	61222.7	12114.6	-87.31
				4233	14183.2	70915.8	-6645.4	70996.1	13918.4	-87.85
				4225	13022.9	65114.4	-6645.4	65201.8	12814.9	-87.66
				4125	10395.6	51977.8	-7398.5	52123.4	10249.9	-86.62
				4133	11289.9	56449.4	-7398.5	56583.6	11155.7	-86.88
				NODE	Vxx	Vyy				
				MAX Cent	0.0	23830.0				
				4233	0.0	24978.0				
				4225	0.0	22682.0				
				4125	0.0	22682.0				
				4133	0.0	24978.0				
				MIN Cent	-0.0	-85090.2				
				4233	-0.0	-86444.7				
				4225	-0.0	-83735.6				
				4125	0.0	-83735.6				
				4133	0.0	-86444.7				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2116	3	5	env SL~1	MAX Cent	5645625.3	-243791.4	13098.4	5652746.8	-284544.6	-1.95
				4225	5645625.3	-244299.2	13098.4	5652761.4	-285042.8	-1.95
				4217	5645625.3	-243283.6	13098.4	5652732.2	-284046.3	-1.94
				4117	5645625.3	-243283.6	13098.4	5652732.2	-284046.3	-1.94
				4125	5645625.3	-244299.2	13098.4	5652761.4	-285042.8	-1.95
				MIN Cent	-1336262.5	-554700.0	-298701.0	-524246.9	-1336289.4	89.88
				4225	-1336262.5	-542906.8	-298701.0	-533580.1	-1336297.4	89.88

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4217 -1336262.5 -566493.3 -298701.0 -514913.7 -1336281.5 89.88
 4117 -1336262.5 -566493.3 -298701.0 -514913.7 -1336281.5 89.88
 4125 -1336262.5 -542906.8 -298701.0 -533580.1 -1336297.4 89.88

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 35254.4 176272.0 -1981.3 176617.1 34909.3 -87.17
 4225 31549.0 157745.2 -1772.7 158091.5 31202.7 -87.01
 4217 29367.4 146836.9 -1772.7 147208.8 28995.5 -86.78
 4117 38852.7 194263.7 -2186.8 194611.0 38505.4 -87.30
 4125 41248.4 206242.1 -2186.8 206569.3 40921.2 -87.45
 MIN Cent 11122.2 55611.2 -6984.7 55734.1 10999.3 -87.00
 4225 13022.9 65114.4 -6620.1 65203.1 12811.3 -87.64
 4217 11773.5 58867.7 -6620.1 58965.8 11524.2 -87.39
 4117 9296.9 46484.7 -7355.0 46655.8 9125.8 -86.13
 4125 10395.6 51977.8 -7355.0 52131.0 10242.4 -86.53

NODE Vxx Vyy

MAX Cent 0.0 22031.4
 4225 0.0 22682.0
 4217 0.0 21380.7
 4117 0.0 21380.7
 4125 0.0 22682.0
 MIN Cent -0.0 -82811.9
 4225 -0.0 -83735.6
 4217 -0.0 -81888.1
 4117 0.0 -81888.1
 4125 0.0 -83735.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2117 3 5 env SL~1 MAX Cent 5647372.9 -208268.1 50987.6 5660001.7 -237407.7 -2.59
 4217 5647372.9 -241862.6 50987.6 5659958.9 -270544.7 -2.58
 4209 5647372.9 -174673.5 50987.6 5660044.9 -204285.3 -2.60
 4109 5647372.9 -174673.5 50987.6 5660044.9 -204285.3 -2.60
 4117 5647372.9 -241862.6 50987.6 5659958.9 -270544.7 -2.58
 MIN Cent -1333406.0 -548403.0 -278886.2 -507606.7 -1335767.1 86.94
 4217 -1333406.0 -566241.5 -278886.2 -511972.4 -1335779.6 86.92
 4209 -1333406.0 -530564.6 -278886.2 -503240.9 -1335754.7 86.96
 4109 -1333406.0 -530564.6 -278886.2 -503240.9 -1335754.7 86.96
 4117 -1333406.0 -566241.5 -278886.2 -511972.4 -1335779.6 86.92

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 32951.8 164759.2 -2053.3 165136.1 32574.9 -86.94
 4217 29367.4 146836.9 -1819.3 147216.9 28987.3 -86.75
 4209 27269.0 136345.0 -1819.3 136754.1 26859.9 -86.50

AUTOSTRADA VALDASTICO A31 NORD
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```

4109 36318.2 181591.2 -2290.0 181970.9 35938.6 -87.08
4117 38852.7 194263.7 -2290.0 194618.7 38497.8 -87.27
MIN Cent 9826.3 49131.5 -7058.3 49282.4 9675.4 -86.46
4217 11773.5 58867.7 -6692.2 58971.6 11506.6 -87.31
4209 10428.8 52144.1 -6692.2 52261.3 10155.9 -86.97
4109 7805.9 39029.6 -7436.0 39256.2 7579.3 -85.15
4117 9296.9 46484.7 -7436.0 46675.4 9106.2 -85.91

```

NODE Vxx Vyy

```

MAX Cent 0.0 22012.2
4217 0.0 21380.7
4209 0.0 22643.7
4109 -0.0 22643.7
4117 -0.0 21380.7
MIN Cent -0.0 -80005.5
4217 0.0 -81888.1
4209 0.0 -78123.0
4109 -0.0 -78123.0
4117 -0.0 -81888.1

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2118 3 5 env SL~1 MAX Cent 5675626.9 -252118.7 52536.0 5686735.6 -266599.6 -2.45
4209 5675626.9 -176427.6 52536.0 5686529.2 -191446.5 -2.41
4201 5675626.9 -241860.8 52536.0 5686949.9 -252910.6 -2.50
4101 5675626.9 -241860.8 52536.0 5686949.9 -252910.6 -2.50
4109 5675626.9 -176427.6 52536.0 5686529.2 -191446.5 -2.41
MIN Cent -1358700.1 -636438.2 -259119.3 -632921.5 -1362216.8 86.02
4209 -1358700.1 -524796.1 -259119.3 -507649.3 -1361699.1 86.60
4201 -1358700.1 -762910.8 -259119.3 -759308.1 -1362948.9 85.56
4101 -1358700.1 -762910.8 -259119.3 -759308.1 -1362948.9 85.56
4109 -1358700.1 -524796.1 -259119.3 -507649.3 -1361699.1 86.60

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 30392.9 151964.3 -2037.7 152354.8 30002.4 -86.76
4209 27269.0 136345.0 -1789.7 136725.2 26888.9 -86.63
4201 24447.9 122239.3 -1789.7 122662.9 24024.2 -86.24
4101 33536.4 167681.8 -2287.1 168083.3 33134.8 -86.87
4109 36318.2 181591.2 -2287.1 181962.2 35947.3 -87.11
MIN Cent 8369.5 41847.3 -6900.8 42018.7 8198.0 -85.92
4209 10428.8 52144.1 -6450.5 52255.8 10218.8 -87.04
4201 8902.7 44513.5 -6450.5 44869.9 8108.0 -86.56
4101 6295.2 31475.8 -7350.1 31750.1 6020.9 -84.07
4109 7805.9 39029.6 -7350.1 39251.6 7583.9 -85.20

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

-----
MAX Cent  0.0 22772.8
  4209 -0.0 22643.7
  4201  0.0 22901.8
  4101 -0.0 22901.8
  4109  0.0 22643.7
MIN Cent  -0.0 -78292.4
  4209 -0.0 -78123.0
  4201  0.0 -78461.9
  4101 -0.0 -78461.9
  4109  0.0 -78123.0

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2119 3 5 env SL~1 MAX Cent 5674372.7 -235689.4 238663.2 5683697.7 -238938.0 2.25
  4189 5674372.7 -100588.8 238663.2 5684008.6 -104063.5 2.32
  4181 5674372.7 -370790.0 238663.2 5683406.2 -373840.1 2.18
  4081 5674372.7 -370790.0 238663.2 5683406.2 -373840.1 2.18
  4089 5674372.7 -100588.8 238663.2 5684008.6 -104063.5 2.32
MIN Cent -1341759.7 -551736.1 -19755.0 -551300.2 -1342195.6 -88.65
  4189 -1341759.7 -522475.8 -19755.0 -522055.4 -1342180.1 -88.70
  4181 -1341759.7 -602876.9 -19755.0 -580543.7 -1342212.4 -88.60
  4081 -1341759.7 -602876.9 -19755.0 -580543.7 -1342212.4 -88.60
  4089 -1341759.7 -522475.8 -19755.0 -522055.4 -1342180.1 -88.70

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 63178.7 315893.7 -2719.9 316152.6 62919.8 -88.17
  4189 61076.0 305379.9 -2610.2 305635.9 60819.9 -88.15
  4181 58925.7 294628.4 -2610.2 294893.8 58660.3 -88.08
  4081 66508.9 332544.4 -2798.3 332797.5 66255.8 -88.23
  4089 66204.4 331021.9 -2798.3 331276.2 65950.1 -88.23
MIN Cent 14294.9 71474.6 -8094.0 71632.2 14137.2 -87.00
  4189 21052.5 105262.3 -7913.0 105363.0 20951.8 -88.02
  4181 19958.9 99794.4 -7913.0 99900.5 19852.7 -87.91
  4081 8147.9 40739.3 -8209.3 41025.6 7861.6 -84.67
  4089 8020.5 40102.3 -8209.3 40393.0 7729.7 -84.59

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 107236.1
  4189 0.0 112506.6
  4181 0.0 101965.6
  4081 0.0 101965.6
  4089 0.0 112506.6
MIN Cent 0.0 -54870.2
  4189 0.0 -44274.0
  4181 0.0 -65466.4
  4081 0.0 -65466.4

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4089 0.0 -44274.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2120	3	5	env SL~1	MAX Cent	5634228.7	-362295.4	229480.3	5642373.6	-362301.0	2.07
				4181	5634228.7	-375854.2	229480.3	5642370.0	-375859.8	2.07
				4173	5634228.7	-348736.6	229480.3	5642377.2	-348742.2	2.08
				4073	5634228.7	-348736.6	229480.3	5642377.2	-348742.2	2.08
				4081	5634228.7	-375854.2	229480.3	5642370.0	-375859.8	2.07
				MIN Cent	-1344506.3	-607778.4	-52985.5	-562489.0	-1347486.8	-86.47
				4181	-1344506.3	-610716.4	-52985.5	-578502.9	-1347549.2	-86.39
				4173	-1344506.3	-604840.4	-52985.5	-546472.5	-1347427.0	-86.54
				4073	-1344506.3	-604840.4	-52985.5	-546472.5	-1347427.0	-86.54
				4081	-1344506.3	-610716.4	-52985.5	-578502.9	-1347549.2	-86.39
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	61362.1	306810.3	-3041.9	307137.7	61034.7	-87.91
				4181	58925.7	294628.4	-2828.0	294937.3	58616.8	-87.93
				4173	56310.4	281552.2	-2828.0	281875.4	55987.3	-87.83
				4073	63703.2	318516.1	-3250.3	318863.0	63356.3	-87.89
				4081	66508.9	332544.4	-3250.3	332876.6	66176.6	-87.98
				MIN Cent	13461.4	67306.9	-8970.2	67513.1	13255.2	-86.47
				4181	19958.9	99794.4	-8537.6	99918.1	19835.1	-87.75
				4173	18665.4	93326.8	-8537.6	93459.1	18533.1	-87.59
				4073	7073.4	35367.1	-9407.9	35799.9	6640.7	-83.00
				4081	8147.9	40739.3	-9407.9	41116.3	7770.8	-83.90
				NODE	Vxx	Vyy				
				MAX Cent	0.0	101019.9				
				4181	0.0	101965.6				
				4173	0.0	100074.3				
				4073	0.0	100074.3				
				4081	0.0	101965.6				
				MIN Cent	-0.0	-64644.4				
				4181	0.0	-65466.4				
				4173	0.0	-63822.5				
				4073	-0.0	-63822.5				
				4081	-0.0	-65466.4				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2121	3	5	env SL~1	MAX Cent	5637646.2	-339305.9	81560.0	5638518.4	-346594.4	0.68
				4173	5637646.2	-347817.0	81560.0	5638516.5	-355077.0	0.68
				4165	5637646.2	-330794.8	81560.0	5638520.3	-338112.0	0.68
				4065	5637646.2	-330794.8	81560.0	5638520.3	-338112.0	0.68

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4073 5637646.2 -347817.0 81560.0 5638516.5 -355077.0 0.68
MIN Cent -1342331.7 -591715.2 -167270.2 -548301.0 -1348626.9 -84.91
4173 -1342331.7 -604197.9 -167270.2 -542707.1 -1348582.9 -84.95
4165 -1342331.7 -579232.4 -167270.2 -553894.3 -1348671.6 -84.88
4065 -1342331.7 -579232.4 -167270.2 -553894.3 -1348671.6 -84.88
4073 -1342331.7 -604197.9 -167270.2 -542707.1 -1348582.9 -84.95

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 58737.5 293687.6 -3097.3 294019.6 58405.5 -87.85
4173 56310.4 281552.2 -2845.8 281867.2 55995.5 -87.86
4165 53667.9 268339.7 -2845.8 268670.1 53337.6 -87.76
4065 61268.4 306342.2 -3348.0 306690.3 60920.3 -87.84
4073 63703.2 318516.1 -3348.0 318851.0 63368.4 -87.93
MIN Cent 12094.6 60472.9 -8838.3 60714.3 11853.2 -85.97
4173 18665.4 93326.8 -8428.0 93461.8 18530.4 -87.57
4165 17137.3 85686.5 -8428.0 85833.5 16990.4 -87.35
4065 5502.2 27511.2 -9243.2 28108.6 4904.9 -80.77
4073 7073.4 35367.1 -9243.2 35836.6 6603.9 -82.72

```

```

NODE Vxx Vyy
-----
MAX Cent -0.0 100260.4
4173 0.0 100074.3
4165 0.0 100446.6
4065 -0.0 100446.6
4073 -0.0 100074.3
MIN Cent -0.0 -64719.1
4173 -0.0 -63822.5
4165 -0.0 -65615.7
4065 -0.0 -65615.7
4073 -0.0 -63822.5

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2122 3 5 env SL~1 MAX Cent 5641482.9 -322038.2 -12043.3 5641567.7 -341608.2 -0.21
4165 5641482.9 -330104.1 -12043.3 5641567.6 -349601.8 -0.21
4157 5641482.9 -313972.4 -12043.3 5641567.8 -333615.1 -0.21
4057 5641482.9 -313972.4 -12043.3 5641567.8 -333615.1 -0.21
4065 5641482.9 -330104.1 -12043.3 5641567.6 -349601.8 -0.21
MIN Cent -1345228.3 -580722.0 -263254.3 -558755.3 -1355552.5 -83.46
4165 -1345228.3 -578792.7 -263254.3 -551097.8 -1355446.5 -85.42
4157 -1345228.3 -582651.2 -263254.3 -566913.0 -1355660.8 -83.40
4057 -1345228.3 -582651.2 -263254.3 -566913.0 -1355660.8 -83.40
4065 -1345228.3 -578792.7 -263254.3 -551097.8 -1355446.5 -85.42

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 56277.2 281386.1 -3087.7 281730.2 55933.0 -87.76
  4165 53667.9 268339.7 -2843.7 268669.7 53338.0 -87.76
  4157 51137.8 255689.0 -2843.7 256035.2 50791.6 -87.65
  4057 59034.7 295173.4 -3330.0 295530.3 58677.8 -87.78
  4065 61268.4 306342.2 -3330.0 306686.1 60924.5 -87.86
MIN Cent 10454.8 52274.2 -8809.0 52563.0 10166.0 -85.27
  4165 17137.3 85686.5 -8422.6 85836.8 16987.1 -87.32
  4157 15522.6 77613.1 -8422.6 77778.9 15356.8 -87.05
  4057 3657.2 18285.8 -9187.4 19199.5 2743.5 -76.37
  4065 5502.2 27511.2 -9187.4 28138.5 4874.9 -80.55

```

NODE Vxx Vyy

```

MAX Cent 0.0 101441.1
  4165 0.0 100446.6
  4157 0.0 102435.5
  4057 0.0 102435.5
  4065 0.0 100446.6
MIN Cent 0.0 -66895.1
  4165 0.0 -65615.7
  4157 0.0 -68174.5
  4057 -0.0 -68174.5
  4065 -0.0 -65615.7

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2123 3 5 env SL~1 MAX Cent 5642796.1 -305500.3 -79825.8 5644135.6 -336954.4 -0.86
  4157 5642796.1 -313310.9 -79825.8 5644135.3 -344653.2 -0.86
  4149 5642796.1 -297689.7 -79825.8 5644135.9 -329256.4 -0.86
  4049 5642796.1 -297689.7 -79825.8 5644135.9 -329256.4 -0.86
  4057 5642796.1 -313310.9 -79825.8 5644135.3 -344653.2 -0.86
MIN Cent -1350197.0 -594997.8 -330477.9 -578221.5 -1365898.2 -81.88
  4157 -1350197.0 -583222.3 -330477.9 -562942.7 -1365593.5 -82.04
  4149 -1350197.0 -609506.2 -330477.9 -593488.2 -1366215.0 -81.72
  4049 -1350197.0 -609506.2 -330477.9 -593488.2 -1366215.0 -81.72
  4057 -1350197.0 -583222.3 -330477.9 -562942.7 -1365593.5 -82.04

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 53952.1 269760.6 -3094.6 270116.4 53596.3 -87.68
  4157 51137.8 255689.0 -2846.4 256033.3 50793.4 -87.65
  4149 48662.2 243310.8 -2846.4 243672.6 48300.3 -87.53
  4049 56973.8 284869.2 -3338.1 285234.2 56608.8 -87.71
  4057 59034.7 295173.4 -3338.1 295525.7 58682.3 -87.79
MIN Cent 8622.0 43109.9 -8769.7 43471.1 8260.7 -84.19
  4157 15522.6 77613.1 -8400.0 77782.0 15353.7 -87.02
  4149 13793.5 68967.3 -8400.0 69157.3 13603.5 -86.65
  4049 1514.7 7573.3 -9128.4 9454.2 -366.3 -64.05
  4057 3657.2 18285.8 -9128.4 19243.9 2699.1 -76.08

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	104219.8
4157	0.0	102435.5
4149	0.0	106004.1
4049	-0.0	106004.1
4057	-0.0	102435.5
MIN Cent	-0.0	-69965.0
4157	-0.0	-68174.5
4149	-0.0	-71755.5
4049	-0.0	-71755.5
4057	-0.0	-68174.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2124	3	5	env SL~1	MAX Cent	5644720.4	-288866.5	-99100.5	5647542.1	-328274.5	-1.23
				4149	5644720.4	-297024.3	-99100.5	5647539.0	-336286.2	-1.22
				4141	5644720.4	-280708.7	-99100.5	5647545.3	-320263.9	-1.23
				4041	5644720.4	-280708.7	-99100.5	5647545.3	-320263.9	-1.23
				4049	5644720.4	-297024.3	-99100.5	5647539.0	-336286.2	-1.22
				MIN Cent	-1354073.5	-613305.3	-369028.0	-596475.8	-1370903.0	-81.52
				4149	-1354073.5	-610281.5	-369028.0	-593517.5	-1370837.5	-81.56
				4141	-1354073.5	-616329.0	-369028.0	-599433.6	-1370968.9	-81.49
				4041	-1354073.5	-616329.0	-369028.0	-599433.6	-1370968.9	-81.49
				4049	-1354073.5	-610281.5	-369028.0	-593517.5	-1370837.5	-81.56

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	52013.5	260067.3	-3099.5	260435.4	51645.4	-87.59
4149	48662.2	243310.8	-2849.5	243672.2	48300.7	-87.53
4141	46891.5	234457.5	-2849.5	234832.6	46516.5	-87.44
4041	55526.3	277631.7	-3331.7	278004.8	55153.3	-87.66
4049	56973.8	284869.2	-3331.7	285232.8	56610.2	-87.71
MIN Cent	7050.5	35252.6	-8759.0	35672.5	6630.6	-83.09
4149	13793.5	68967.3	-8395.6	69152.4	13608.4	-86.69
4141	12647.1	63235.6	-8395.6	63437.4	12445.4	-86.39
4041	246.8	1234.2	-9110.5	4510.2	-3029.1	-48.76
4049	1514.7	7573.3	-9110.5	9354.7	-266.8	-64.51

NODE	Vxx	Vyy

MAX Cent	0.0	106528.4
4149	-0.0	106004.1
4141	-0.0	107052.8
4041	0.0	107052.8
4049	0.0	106004.1
MIN Cent	0.0	-73150.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

4149 -0.0 -71755.5
4141 -0.0 -74545.4
4041 0.0 -74545.4
4049 0.0 -71755.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2125 3 5 env SL~1 MAX Cent 5649087.3 -265130.5 -59495.2 5652861.7 -305787.0 -1.42

4141 5649087.3 -279759.3 -59495.2 5652853.0 -320144.1 -1.42
4133 5649087.3 -250501.8 -59495.2 5652870.4 -291433.6 -1.42
4033 5649087.3 -250501.8 -59495.2 5652870.4 -291433.6 -1.42
4041 5649087.3 -279759.3 -59495.2 5652853.0 -320144.1 -1.42
MIN Cent -1349122.6 -588550.8 -369120.4 -582382.3 -1355291.2 -84.87
4141 -1349122.6 -615338.9 -369120.4 -608948.9 -1355512.6 -84.69
4133 -1349122.6 -561762.8 -369120.4 -555800.9 -1355084.5 -85.05
4033 -1349122.6 -561762.8 -369120.4 -555800.9 -1355084.5 -85.05
4041 -1349122.6 -615338.9 -369120.4 -608948.9 -1355512.6 -84.69

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 49775.8 248878.8 -3041.4 249263.8 49390.8 -87.48
4141 46891.5 234457.5 -2819.3 234832.7 46516.3 -87.44
4133 43748.5 218742.4 -2819.3 219144.5 43346.4 -87.26
4033 52936.7 264683.7 -3197.0 265075.6 52544.8 -87.54
4041 55526.3 277631.7 -3197.0 278005.4 55152.6 -87.65
MIN Cent 5998.1 29990.7 -8763.6 30402.9 5586.0 -82.60
4141 12647.1 63235.6 -8397.5 63418.8 12464.0 -86.56
4133 11287.7 56438.4 -8397.5 56643.4 11082.7 -86.15
4033 -189.1 -945.5 -9118.1 2729.3 -3863.9 -41.71
4041 246.8 1234.2 -9118.1 4052.4 -2571.3 -49.29

NODE Vxx Vyy

MAX Cent 0.0 103066.4
4141 0.0 107052.8
4133 0.0 99080.0
4033 0.0 99080.0
4041 0.0 107052.8
MIN Cent 0.0 -76934.2
4141 0.0 -74545.4
4133 0.0 -79323.0
4033 -0.0 -79323.0
4041 -0.0 -74545.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2126 3 5 env SL~1 MAX Cent 5652274.0 -242415.8 16110.7 5655771.9 -274312.0 -1.37

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4133 5652274.0 -249593.2 16110.7 5655771.2 -281382.7 -1.37
4125 5652274.0 -235238.3 16110.7 5655772.6 -267241.9 -1.37
4025 5652274.0 -235238.3 16110.7 5655772.6 -267241.9 -1.37
4033 5652274.0 -249593.2 16110.7 5655771.2 -281382.7 -1.37
MIN Cent -1339556.9 -540722.5 -316636.4 -540722.1 -1339557.4 89.96
4133 -1339556.9 -559849.7 -316636.4 -559849.2 -1339557.4 89.96
4125 -1339556.9 -521595.4 -316636.4 -521595.0 -1339557.4 89.96
4025 -1339556.9 -521595.4 -316636.4 -521595.0 -1339557.4 89.96
4033 -1339556.9 -559849.7 -316636.4 -559849.2 -1339557.4 89.96

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 47187.9 235939.4 -2953.9 236347.8 46779.5 -87.34
4133 43748.5 218742.4 -2773.9 219146.0 43344.9 -87.25
4125 41260.3 206301.5 -2773.9 206729.3 40832.5 -87.09
4025 50806.0 254030.1 -2977.6 254441.7 50394.5 -87.43
4033 52936.7 264683.7 -2977.6 265078.7 52541.7 -87.53
MIN Cent 5365.9 26829.4 -8788.7 27259.3 4935.9 -82.02
4133 11287.7 56438.4 -8413.2 56636.2 11089.8 -86.22
4125 10403.0 52015.2 -8413.2 52229.7 10188.5 -85.90
4025 -38.1 -190.7 -9154.7 2999.7 -3228.5 -44.30
4033 -189.1 -945.5 -9154.7 2568.8 -3703.3 -41.54

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 94609.9
4133 0.0 99080.0
4125 0.0 90160.0
4025 0.0 90160.0
4033 0.0 99080.0
MIN Cent -0.0 -80866.0
4133 0.0 -79323.0
4125 0.0 -82409.1
4025 -0.0 -82409.1
4033 -0.0 -79323.0

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2127 3 5 env SL~1 MAX Cent 5650626.2 -236230.1 55631.5 5654934.1 -256898.3 -1.52
4125 5650626.2 -234990.9 55631.5 5654940.4 -255671.2 -1.52
4117 5650626.2 -237469.3 55631.5 5654927.8 -258125.4 -1.52
4017 5650626.2 -237469.3 55631.5 5654927.8 -258125.4 -1.52
4025 5650626.2 -234990.9 55631.5 5654940.4 -255671.2 -1.52
MIN Cent -1333736.3 -527064.6 -248419.3 -509738.3 -1336093.4 88.66
4125 -1333736.3 -520431.3 -248419.3 -518048.8 -1336118.8 86.91
4117 -1333736.3 -535300.8 -248419.3 -501591.0 -1336068.5 88.67
4017 -1333736.3 -535300.8 -248419.3 -501591.0 -1336068.5 88.67
4025 -1333736.3 -520431.3 -248419.3 -518048.8 -1336118.8 86.91

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	44935.4	224676.9	-2902.4	225100.1	44512.2	-87.23
4125	41260.3	206301.5	-2744.0	206725.1	40836.7	-87.10
4117	38799.2	193996.2	-2744.0	194446.5	38349.0	-86.92
4017	48876.0	244379.9	-3044.1	244800.4	48455.5	-87.35
4025	50806.0	254030.1	-3044.1	254434.7	50401.4	-87.45
MIN Cent	4791.5	23957.6	-8731.2	24473.6	4275.6	-80.80
4125	10403.0	52015.2	-8371.6	52237.9	10180.4	-85.83
4117	9282.4	46412.1	-8371.6	46661.3	9033.2	-85.33
4017	-481.2	-2406.2	-9076.6	1996.8	-4884.3	-36.88
4025	-38.1	-190.7	-9076.6	3189.7	-3418.5	-44.34

NODE	Vxx	Vyy

MAX Cent	0.0	87660.8
4125	0.0	90160.0
4117	0.0	85161.7
4017	-0.0	85161.7
4025	-0.0	90160.0
MIN Cent	-0.0	-84701.3
4125	0.0	-82409.1
4117	0.0	-86993.5
4017	-0.0	-86993.5
4025	-0.0	-82409.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2128	3	5	env SL~1	MAX Cent	5654535.4	-193867.0	92853.6	5662971.6	-205608.0	-2.13
				4117	5654535.4	-235774.8	92853.6	5662933.6	-247281.7	-2.12
				4109	5654535.4	-151959.2	92853.6	5663010.0	-163944.0	-2.13
				4009	5654535.4	-151959.2	92853.6	5663010.0	-163944.0	-2.13
				4017	5654535.4	-235774.8	92853.6	5662933.6	-247281.7	-2.12
				MIN Cent	-1330945.0	-510616.2	-228947.7	-488896.3	-1339711.5	84.17
				4117	-1330945.0	-534642.9	-228947.7	-494862.5	-1339759.0	84.93
				4109	-1330945.0	-493076.3	-228947.7	-484356.8	-1339664.4	84.21
				4009	-1330945.0	-493076.3	-228947.7	-484356.8	-1339664.4	84.21
				4017	-1330945.0	-534642.9	-228947.7	-494862.5	-1339759.0	84.93

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	42789.9	213949.6	-3060.1	214400.3	42339.2	-87.07
4117	38799.2	193996.2	-2840.2	194455.3	38340.1	-86.89
4109	36533.8	182668.8	-2840.2	183156.1	36046.4	-86.70
4009	46950.7	234753.5	-3276.1	235195.9	46508.2	-87.22
4017	48876.0	244379.9	-3276.1	244805.0	48450.9	-87.33
MIN Cent	3704.3	18521.6	-8794.5	19267.6	2958.3	-77.65
4117	9282.4	46412.1	-8453.5	46683.1	9011.4	-85.13

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4109 7884.3 39421.7 -8453.5 39739.9 7566.1 -84.29
4009 -1868.3 -9341.3 -9126.3 -394.7 -10814.9 -22.09
4017 -481.2 -2406.2 -9126.3 2312.6 -5200.1 -37.58

```

```

NODE    Vxx    Vyy

```

```

-----
MAX Cent  -0.0 84762.0

```

```

4117  0.0 85161.7
4109  0.0 84362.4
4009  0.0 84362.4
4017  0.0 85161.7

```

```

MIN Cent  -0.0 -88462.0

```

```

4117 -0.0 -86993.5
4109 -0.0 -89930.4
4009 -0.0 -89930.4
4017 -0.0 -86993.5

```

```

ELEM MAT SEC  LC  NODE    Fxx    Fyy    Fxy    Fmax    Fmin  ANGLE

```

```

-----
2129  3  5 env SL~1 MAX Cent 5669426.3 -266842.7 78182.4 5676037.5 -271695.1 -1.89

```

```

4109 5669426.3 -154878.2 78182.4 5675990.2 -160003.3 -1.88
4101 5669426.3 -343181.5 78182.4 5676085.4 -349790.4 -1.90
4001 5669426.3 -343181.5 78182.4 5676085.4 -349790.4 -1.90
4009 5669426.3 -154878.2 78182.4 5675990.2 -160003.3 -1.88

```

```

MIN Cent -1352115.4 -603514.7 -200797.4 -595844.6 -1359785.4 84.25

```

```

4109 -1352115.4 -497310.4 -200797.4 -490577.5 -1358848.3 84.95
4101 -1352115.4 -711086.1 -200797.4 -702673.3 -1361021.6 83.51
4001 -1352115.4 -711086.1 -200797.4 -702673.3 -1361021.6 83.51
4009 -1352115.4 -497310.4 -200797.4 -490577.5 -1358848.3 84.95

```

```

NODE    Mxx    Myy    Mxy    Mmax    Mmin  ANGLE

```

```

-----
MAX Cent 39793.1 198965.4 -3143.1 199468.7 39289.8 -86.79

```

```

4109 36533.8 182668.8 -2829.3 183143.3 36059.2 -86.74
4101 32722.2 163611.1 -2829.3 164140.5 32192.8 -86.37
4001 42965.6 214828.1 -3459.8 215361.9 42431.8 -86.82
4009 46950.7 234753.5 -3459.8 235242.2 46462.0 -87.08

```

```

MIN Cent 2024.8 10123.8 -8964.6 11402.1 746.4 -69.73

```

```

4109 7884.3 39421.7 -8341.1 39733.0 7573.1 -84.35
4101 5995.0 29974.8 -8341.1 30381.3 5588.4 -82.64
4001 -3912.0 -19560.1 -9592.8 -3046.7 -20425.5 -12.89
4009 -1868.3 -9341.3 -9592.8 -289.6 -10919.9 -22.67

```

```

NODE    Vxx    Vyy

```

```

-----
MAX Cent  0.0 84922.8

```

```

4109  0.0 84362.4
4101  0.0 85527.9

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4001 0.0 85527.9
 4009 0.0 84362.4
 MIN Cent -0.0 -89181.3
 4109 -0.0 -89930.4
 4101 -0.0 -88432.2
 4001 -0.0 -88432.2
 4009 -0.0 -89930.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2130	3	5	env SL~1	MAX Cent	5667217.8	-241077.2	273631.1	5679534.6	-255796.3	2.58
				4089	5667217.8	-161682.0	273631.1	5679769.3	-176978.1	2.63
				4081	5667217.8	-320472.5	273631.1	5679308.5	-334656.2	2.53
				3081	5667217.8	-320472.5	273631.1	5679308.5	-334656.2	2.53
				3089	5667217.8	-161682.0	273631.1	5679769.3	-176978.1	2.63
				MIN Cent	-1337747.1	-531673.1	23693.6	-530911.2	-1338508.9	88.24
				4089	-1337747.1	-508264.6	23693.6	-507524.2	-1338487.4	88.29
				4081	-1337747.1	-557455.0	23693.6	-554297.0	-1338531.6	88.19
				3081	-1337747.1	-557455.0	23693.6	-554297.0	-1338531.6	88.19
				3089	-1337747.1	-508264.6	23693.6	-507524.2	-1338487.4	88.29

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	60781.0	303905.2	-3319.5	304256.3	60430.0	-87.83
4089	67066.0	335330.1	-3469.3	335670.6	66725.5	-87.96
4081	66342.6	331713.0	-3469.3	332057.2	65998.4	-87.94
3081	57747.8	288738.8	-3086.7	289069.9	57416.7	-87.83
3089	51967.8	259839.0	-3086.7	260206.8	51600.0	-87.59
MIN Cent	-11903.2	-59516.0	-9244.6	-11642.5	-59776.8	-4.22
4089	8347.7	41738.5	-9563.5	42143.7	7942.5	-83.75
4081	8082.0	40409.9	-9563.5	40828.1	7663.8	-83.55
3081	-30583.4	-152916.9	-8751.7	-30495.4	-153004.9	-1.54
3089	-33459.1	-167295.5	-8751.7	-33378.7	-167375.9	-1.40

NODE	Vxx	Vyy
MAX Cent	0.0	347513.5
4089	0.0	361123.5
4081	0.0	333903.4
3081	-0.0	333903.4
3089	-0.0	361123.5
MIN Cent	0.0	102272.3
4089	0.0	130344.4
4081	0.0	74200.2
3081	-0.0	74200.2
3089	-0.0	130344.4

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2131	3	5	env SL~1	MAX Cent	5643581.7	-318625.3	283510.2	5656453.5	-323811.2	2.61
				4081	5643581.7	-323574.4	283510.2	5656452.6	-328748.5	2.61
				4073	5643581.7	-313676.1	283510.2	5656454.4	-318874.0	2.61
				3073	5643581.7	-313676.1	283510.2	5656454.4	-318874.0	2.61
				3081	5643581.7	-323574.4	283510.2	5656452.6	-328748.5	2.61
				MIN Cent	-1339656.1	-560733.2	-4144.2	-541217.8	-1339656.6	89.95
				4081	-1339656.1	-562057.0	-4144.2	-555462.9	-1339656.6	89.95
				4073	-1339656.1	-559409.5	-4144.2	-526972.7	-1339656.6	89.96
				3073	-1339656.1	-559409.5	-4144.2	-526972.7	-1339656.6	89.96
				3081	-1339656.1	-562057.0	-4144.2	-555462.9	-1339656.6	89.95
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	61020.5	305102.4	-4004.9	305600.1	60522.8	-87.42
				4081	66342.6	331713.0	-3891.9	332142.9	65912.8	-87.70
				4073	63740.0	318700.1	-3891.9	319147.4	63292.7	-87.60
				3073	56251.6	281257.9	-4090.3	281828.6	55680.8	-87.12
				3081	57747.8	288738.8	-4090.3	289294.8	57191.7	-87.19
				MIN Cent	-11472.2	-57360.9	-11032.3	-11088.1	-57744.9	-5.21
				4081	8082.0	40409.9	-10688.5	40929.2	7562.7	-82.83
				4073	7098.6	35493.1	-10688.5	36081.6	6510.1	-81.89
				3073	-30485.9	-152429.5	-11346.6	-30336.4	-152579.0	-2.00
				3081	-30583.4	-152916.9	-11346.6	-30434.4	-153066.0	-2.00
				NODE	Vxx	Vyy				
				MAX Cent	0.0	329206.1				
				4081	-0.0	333903.4				
				4073	-0.0	324508.7				
				3073	0.0	324508.7				
				3081	0.0	333903.4				
				MIN Cent	-0.0	69424.3				
				4081	-0.0	74200.2				
				4073	-0.0	64648.4				
				3073	-0.0	64648.4				
				3081	-0.0	74200.2				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2132	3	5	env SL~1	MAX Cent	5645418.8	-306867.9	136205.4	5648239.4	-307001.4	1.23
				4073	5645418.8	-313205.8	136205.4	5648235.5	-313338.9	1.22
				4065	5645418.8	-300530.1	136205.4	5648243.2	-300664.0	1.23
				3065	5645418.8	-300530.1	136205.4	5648243.2	-300664.0	1.23
				3073	5645418.8	-313205.8	136205.4	5648235.5	-313338.9	1.22
				MIN Cent	-1337895.6	-551807.8	-109580.1	-531665.9	-1338645.3	-88.25
				4073	-1337895.6	-559052.5	-109580.1	-525876.7	-1338640.0	-88.27

AUTOSTRADA VALDASTICO A31 NORD
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4065 -1337895.6 -544563.1 -109580.1 -537455.1 -1338650.7 -88.24
 3065 -1337895.6 -544563.1 -109580.1 -537455.1 -1338650.7 -88.24
 3073 -1337895.6 -559052.5 -109580.1 -525876.7 -1338640.0 -88.27

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 59197.5 295987.5 -4201.9 296480.1 58704.9 -87.39
 4073 63740.0 318700.1 -3978.1 319134.3 63305.8 -87.64
 4065 61256.1 306280.7 -3978.1 306732.5 60804.4 -87.54
 3065 55542.3 277711.4 -4413.9 278259.0 54994.7 -87.16
 3073 56251.6 281257.9 -4413.9 281798.6 55710.8 -87.20
 MIN Cent -12442.4 -62211.8 -10811.0 -12037.7 -62616.4 -5.13
 4073 7098.6 35493.1 -10530.9 36119.2 6472.5 -81.64
 4065 5498.8 27494.2 -10530.9 28291.4 4701.6 -79.41
 3065 -31881.0 -159405.0 -11043.6 -31704.8 -159581.2 -2.13
 3073 -30485.9 -152429.5 -11043.6 -30301.7 -152613.8 -2.22

NODE Vxx Vyy

MAX Cent 0.0 323587.2
 4073 -0.0 324508.7
 4065 -0.0 322703.6
 3065 0.0 322703.6
 3073 0.0 324508.7
 MIN Cent -0.0 56988.3
 4073 -0.0 64648.4
 4065 -0.0 49328.3
 3065 -0.0 49328.3
 3073 -0.0 64648.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2133 3 5 env SL~1 MAX Cent 5647820.0 -293955.2 41724.0 5648013.8 -298387.2 0.32
 4065 5647820.0 -300013.6 41724.0 5648013.7 -304433.1 0.32
 4057 5647820.0 -287896.8 41724.0 5648013.9 -292341.5 0.32
 3057 5647820.0 -287896.8 41724.0 5648013.9 -292341.5 0.32
 3065 5647820.0 -300013.6 41724.0 5648013.7 -304433.1 0.32
 MIN Cent -1340718.7 -548319.0 -205669.9 -544067.8 -1343182.3 -86.82
 4065 -1340718.7 -544423.6 -205669.9 -536335.0 -1343158.6 -86.85
 4057 -1340718.7 -554287.9 -205669.9 -551800.2 -1343206.5 -86.79
 3057 -1340718.7 -554287.9 -205669.9 -551800.2 -1343206.5 -86.79
 3065 -1340718.7 -544423.6 -205669.9 -536335.0 -1343158.6 -86.85

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 57818.5 289092.5 -4145.6 289586.2 57324.8 -87.36
 4065 61256.1 306280.7 -3962.6 306728.3 60808.5 -87.55
 4057 59035.2 295175.8 -3962.6 295640.1 58570.8 -87.46

AUTOSTRADA VALDASTICO A31 NORD
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```

3057 55440.4 277202.0 -4304.3 277732.1 54910.3 -87.20
3065 55542.3 277711.4 -4304.3 278240.5 55013.2 -87.21
MIN Cent -14174.2 -70870.8 -10696.9 -13793.6 -71251.4 -4.67
4065 5498.8 27494.2 -10482.1 28322.8 4670.3 -79.21
4057 3664.2 18321.2 -10482.1 19514.3 2471.1 -74.66
3057 -33978.7 -169893.7 -10855.0 -33796.5 -170075.9 -2.10
3065 -31881.0 -159405.0 -10855.0 -31686.8 -159599.2 -2.23

```

NODE Vxx Vyy

```

-----
MAX Cent 0.0 323839.5
4065 0.0 322703.6
4057 0.0 324975.3
3057 0.0 324975.3
3065 0.0 322703.6
MIN Cent -0.0 40181.1
4065 -0.0 49328.3
4057 -0.0 31033.8
3057 -0.0 31033.8
3065 -0.0 49328.3

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
2134 3 5 env SL~1 MAX Cent 5648604.0 -280992.2 -26907.0 5648771.9 -291891.9 -0.33
4057 5648604.0 -287378.3 -26907.0 5648771.9 -298245.4 -0.33
4049 5648604.0 -274606.1 -26907.0 5648771.9 -285538.6 -0.33
3049 5648604.0 -274606.1 -26907.0 5648771.9 -285538.6 -0.33
3057 5648604.0 -287378.3 -26907.0 5648771.9 -298245.4 -0.33
MIN Cent -1345868.5 -572280.1 -272964.0 -566791.3 -1351357.2 -85.20
4057 -1345868.5 -555317.8 -272964.0 -549945.2 -1351241.1 -85.30
4049 -1345868.5 -589242.3 -272964.0 -583632.3 -1351478.5 -85.10
3049 -1345868.5 -589242.3 -272964.0 -583632.3 -1351478.5 -85.10
3057 -1345868.5 -555317.8 -272964.0 -549945.2 -1351241.1 -85.30

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 56811.4 284056.9 -4126.6 284550.0 56318.3 -87.34
4057 59035.2 295175.8 -3957.8 295635.4 58575.6 -87.48
4049 56972.3 284861.5 -3957.8 285337.6 56496.1 -87.39
3049 55797.7 278988.3 -4266.4 279500.2 55285.7 -87.26
3057 55440.4 277202.0 -4266.4 277717.3 54925.2 -87.24
MIN Cent -16431.3 -82156.3 -10597.2 -16077.6 -82510.0 -4.18
4057 3664.2 18321.2 -10427.9 19559.1 2426.4 -74.41
4049 1509.6 7547.8 -10427.9 9894.4 -837.0 -62.12
3049 -36920.1 -184600.5 -10701.7 -36733.4 -184787.2 -2.03
3057 -33978.7 -169893.7 -10701.7 -33775.9 -170096.5 -2.21

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

-----
MAX Cent  0.0 328371.1
  4057  0.0 324975.3
  4049  0.0 331766.9
  3049  0.0 331766.9
  3057  0.0 324975.3
MIN Cent  0.0 20587.3
  4057 -0.0 31033.8
  4049 -0.0 10140.8
  3049  0.0 10140.8
  3057  0.0 31033.8

```

```

ELEM  MAT  SEC  LC  NODE  Fxx  Fyy  Fxy  Fmax  Fmin  ANGLE
-----
2135  3    5  env SL~1 MAX Cent 5649873.6 -267754.0 -50007.6 5650814.0 -283483.3 -0.71
      4049 5649873.6 -274076.6 -50007.6 5650813.3 -289759.3 -0.71
      4041 5649873.6 -261431.4 -50007.6 5650814.7 -277207.6 -0.71
      3041 5649873.6 -261431.4 -50007.6 5650814.7 -277207.6 -0.71
      3049 5649873.6 -274076.6 -50007.6 5650813.3 -289759.3 -0.71
MIN Cent -1350908.2 -597478.7 -310820.3 -591569.7 -1356817.2 -84.96
      4049 -1350908.2 -590250.3 -310820.3 -584396.5 -1356761.9 -85.01
      4041 -1350908.2 -604707.2 -310820.3 -598741.8 -1356873.6 -84.91
      3041 -1350908.2 -604707.2 -310820.3 -598741.8 -1356873.6 -84.91
      3049 -1350908.2 -590250.3 -310820.3 -584396.5 -1356761.9 -85.01

```

```

NODE  Mxx  Myy  Mxy  Mmax  Mmin  ANGLE
-----
MAX Cent 56118.1 280590.7 -4113.9 281086.8 55622.1 -87.31
  4049 56972.3 284861.5 -3952.0 285336.2 56497.6 -87.39
  4041 55527.9 277639.5 -3952.0 278126.5 55040.9 -87.32
  3041 56174.7 280873.5 -4230.4 281377.1 55671.2 -87.29
  3049 55797.7 278988.3 -4230.4 279495.2 55290.7 -87.27
MIN Cent -18368.7 -91843.4 -10564.1 -18080.2 -92131.8 -3.58
  4049 1509.6 7547.8 -10411.8 9799.0 -741.6 -62.47
  4041 225.6 1128.0 -10411.8 5020.1 -3666.5 -47.98
  3041 -38289.7 -191448.7 -10648.9 -38132.5 -191605.9 -1.83
  3049 -36920.1 -184600.5 -10648.9 -36757.1 -184763.5 -1.90

```

```

NODE  Vxx  Vyy
-----

```

```

-----
MAX Cent  0.0 332136.7
  4049  0.0 331766.9
  4041  0.0 332506.5
  3041  0.0 332506.5
  3049  0.0 331766.9
MIN Cent  0.0 2278.4
  4049  0.0 10140.8
  4041  0.0 -5583.9
  3041 -0.0 -5583.9

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

3049 -0.0 10140.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2136	3	5	env SL~1	MAX Cent	5653042.3	-249973.4	-9414.0	5654551.7	-266394.4	-0.90
				4041	5653042.3	-260720.2	-9414.0	5654549.1	-277058.2	-0.90
				4033	5653042.3	-239226.6	-9414.0	5654554.4	-255731.5	-0.90
				3033	5653042.3	-239226.6	-9414.0	5654554.4	-255731.5	-0.90
				3041	5653042.3	-260720.2	-9414.0	5654549.1	-277058.2	-0.90
				MIN Cent	-1347198.0	-578928.0	-310789.6	-578449.5	-1347676.5	-88.57
				4041	-1347198.0	-603965.1	-310789.6	-603470.6	-1347692.6	-88.52
				4033	-1347198.0	-553890.8	-310789.6	-553427.4	-1347661.4	-88.62
				3033	-1347198.0	-553890.8	-310789.6	-553427.4	-1347661.4	-88.62
				3041	-1347198.0	-603965.1	-310789.6	-603470.6	-1347692.6	-88.52

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	55344.5	276722.5	-3666.7	277226.9	54840.1	-87.27
4041	55527.9	277639.5	-3826.2	278127.2	55040.3	-87.32
4033	52934.0	264670.0	-3826.2	265181.4	52422.6	-87.19
3033	56741.4	283706.9	-3435.2	284207.7	56240.5	-87.31
3041	56174.7	280873.5	-3435.2	281379.4	55668.8	-87.29
MIN Cent	-18491.3	-92456.3	-10579.1	-18297.0	-92650.5	-2.93
4041	225.6	1128.0	-10418.6	4602.4	-3248.9	-48.30
4033	-193.8	-968.9	-10418.6	3337.5	-4500.2	-42.16
3033	-35707.1	-178535.6	-10673.4	-35615.0	-178627.6	-1.45
3041	-38289.7	-191448.7	-10673.4	-38203.9	-191534.6	-1.36

NODE Vxx Vyy

MAX Cent	0.0	319548.2
4041	-0.0	332506.5
4033	-0.0	306590.0
3033	0.0	306590.0
3041	0.0	332506.5
MIN Cent	-0.0	-19226.7
4041	-0.0	-5583.9
4033	-0.0	-32869.5
3033	-0.0	-32869.5
3041	-0.0	-5583.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2137	3	5	env SL~1	MAX Cent	5656034.1	-232073.6	66594.4	5657397.5	-243004.2	-0.86
				4033	5656034.1	-238510.6	66594.4	5657396.7	-249407.7	-0.86
				4025	5656034.1	-225636.6	66594.4	5657398.3	-236601.0	-0.86
				3025	5656034.1	-225636.6	66594.4	5657398.3	-236601.0	-0.86

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

3033 5656034.1 -238510.6 66594.4 5657396.7 -249407.7 -0.86
MIN Cent -1337436.4 -530119.9 -259125.9 -527010.9 -1340545.4 86.46
4033 -1337436.4 -551938.5 -259125.9 -548743.8 -1340631.1 86.36
4025 -1337436.4 -508585.9 -259125.9 -508345.9 -1340464.2 89.02
3025 -1337436.4 -508585.9 -259125.9 -508345.9 -1340464.2 89.02
3033 -1337436.4 -551938.5 -259125.9 -548743.8 -1340631.1 86.36

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 54357.1 271785.3 -3280.3 272304.5 53837.9 -87.21
4033 52934.0 264670.0 -3626.7 265184.8 52419.3 -87.18
4025 50823.7 254118.5 -3626.7 254654.5 50287.7 -87.06
3025 56929.2 284645.8 -2830.8 285153.3 56421.8 -87.30
3033 56741.4 283706.9 -2830.8 284216.0 56232.3 -87.29
MIN Cent -17062.4 -85312.2 -10637.6 -16882.4 -85492.3 -2.94
4033 -193.8 -968.9 -10452.5 3191.2 -4353.9 -42.05
4025 -22.7 -113.6 -10452.5 3684.7 -3821.1 -44.65
3025 -32326.2 -161630.9 -10761.2 -32247.9 -161709.2 -1.41
3033 -35707.1 -178535.6 -10761.2 -35636.2 -178606.4 -1.28

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 292734.4
4033 0.0 306590.0
4025 0.0 280743.0
3025 0.0 280743.0
3033 0.0 306590.0
MIN Cent 0.0 -42789.2
4033 -0.0 -32869.5
4025 -0.0 -52709.0
3025 0.0 -52709.0
3033 0.0 -32869.5

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2138 3 5 env SL~1 MAX Cent 5655974.1 -228451.8 103761.0 5657620.9 -233337.2 -1.00
4025 5655974.1 -225491.7 103761.0 5657622.3 -230384.0 -1.00
4017 5655974.1 -231412.0 103761.0 5657619.5 -236290.4 -1.00
3017 5655974.1 -231412.0 103761.0 5657619.5 -236290.4 -1.00
3025 5655974.1 -225491.7 103761.0 5657622.3 -230384.0 -1.00
MIN Cent -1331385.1 -499863.1 -191406.0 -494057.3 -1341241.0 85.24
4025 -1331385.1 -508010.9 -191406.0 -502148.4 -1341339.5 85.19
4017 -1331385.1 -503917.4 -191406.0 -485965.1 -1341144.4 85.29
3017 -1331385.1 -503917.4 -191406.0 -485965.1 -1341144.4 85.29
3025 -1331385.1 -508010.9 -191406.0 -502148.4 -1341339.5 85.19

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent  53517.8 267588.8 -3667.8 268105.4 53001.2 -87.19
  4025  50823.7 254118.5 -3701.6 254647.0 50295.2 -87.09
  4017  48793.2 243966.0 -3701.6 244516.3 48242.9 -86.96
  3017  57525.0 287624.8 -3579.0 288112.9 57036.9 -87.37
  3025  56929.2 284645.8 -3579.0 285139.0 56436.0 -87.34
MIN Cent  -15870.8 -79353.9 -10528.9 -15637.4 -79587.2 -3.46
  4025   -22.7 -113.6 -10378.6 3856.4 -3992.8 -44.67
  4017  -499.0 -2494.8 -10378.6 2552.3 -5546.1 -37.87
  3017 -30635.2 -153176.1 -10608.9 -30521.8 -153289.5 -1.74
  3025 -32326.2 -161630.9 -10608.9 -32218.7 -161738.4 -1.65

```

NODE Vxx Vyy

```

MAX Cent   0.0 272421.3
  4025    0.0 280743.0
  4017    0.0 264099.5
  3017   -0.0 264099.5
  3025   -0.0 280743.0
MIN Cent  -0.0 -64045.6
  4025    0.0 -52709.0
  4017    0.0 -75382.2
  3017   -0.0 -75382.2
  3025   -0.0 -52709.0

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2139  3  5 env SL~1 MAX Cent 5660857.1 -182587.4 140445.6 5665413.5 -183436.3 -1.57
      4017 5660857.1 -229577.4 140445.6 5665391.8 -230407.1 -1.56
      4009 5660857.1 -135597.4 140445.6 5665435.3 -136466.5 -1.57
      3009 5660857.1 -135597.4 140445.6 5665435.3 -136466.5 -1.57
      3017 5660857.1 -229577.4 140445.6 5665391.8 -230407.1 -1.56
MIN Cent -1328498.4 -485429.9 -170499.0 -466932.2 -1349106.0 81.79
      4017 -1328498.4 -502987.2 -170499.0 -473058.4 -1349213.1 81.73
      4009 -1328498.4 -480855.1 -170499.0 -460804.3 -1348999.9 81.85
      3009 -1328498.4 -480855.1 -170499.0 -460804.3 -1348999.9 81.85
      3017 -1328498.4 -502987.2 -170499.0 -473058.4 -1349213.1 81.73

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent  53076.7 265383.5 -4039.3 265901.4 52558.8 -87.18
  4017  48793.2 243966.0 -3916.4 244522.4 48236.8 -86.95
  4009  47269.6 236347.9 -3916.4 236922.2 46695.3 -86.85
  3009  58719.0 293595.1 -4137.2 294062.6 58251.6 -87.45
  3017  57525.0 287624.8 -4137.2 288101.9 57047.8 -87.40
MIN Cent  -16052.9 -80264.3 -10498.6 -15754.1 -80563.1 -3.89
  4017  -499.0 -2494.8 -10435.8 2846.0 -5839.8 -38.36
  4009 -1747.6 -8737.8 -10435.8 241.9 -10727.3 -25.21
  3009 -31329.7 -156648.5 -10488.7 -31165.5 -156812.6 -2.07
  3017 -30635.2 -153176.1 -10488.7 -30467.4 -153344.0 -2.12

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	260716.4
4017	0.0	264099.5
4009	0.0	257333.2
3009	-0.0	257333.2
3017	-0.0	264099.5
MIN Cent	-0.0	-87113.1
4017	0.0	-75382.2
4009	0.0	-98844.1
3009	-0.0	-98844.1
3017	-0.0	-75382.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2140	3	5	env SL~1	MAX Cent	5665627.0	-263047.9	112602.4	5668893.0	-263087.6	-1.33
				4009	5665627.0	-138815.8	112602.4	5668896.4	-138857.9	-1.33
				4001	5665627.0	-385842.9	112602.4	5668889.6	-386414.2	-1.33
				3001	5665627.0	-385842.9	112602.4	5668889.6	-386414.2	-1.33
				3009	5665627.0	-138815.8	112602.4	5668896.4	-138857.9	-1.33
				MIN Cent	-1344083.1	-563353.3	-143153.6	-547980.6	-1359455.8	82.09
				4009	-1344083.1	-483972.0	-143153.6	-469971.3	-1358083.9	82.79
				4001	-1344083.1	-643773.6	-143153.6	-626750.8	-1361118.9	81.24
				3001	-1344083.1	-643773.6	-143153.6	-626750.8	-1361118.9	81.24
				3009	-1344083.1	-483972.0	-143153.6	-469971.3	-1358083.9	82.79

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	50036.5	250182.3	-4507.2	250869.8	49349.0	-86.65
4009	47269.6	236347.9	-4068.9	236964.5	46653.0	-86.74
4001	41884.7	209423.7	-4068.9	210119.0	41189.5	-86.32
3001	52272.5	261362.5	-4958.3	262132.8	51502.2	-86.53
3009	58719.0	293595.1	-4958.3	294281.4	58032.8	-86.91
MIN Cent	-18013.6	-90068.0	-11750.5	-17693.9	-90387.7	-3.80
4009	-1747.6	-8737.8	-10814.9	334.7	-10820.1	-25.60
4001	-4340.1	-21700.6	-10814.9	-3312.8	-22727.9	-13.30
3001	-34637.0	-173185.1	-12714.5	-34435.0	-173387.0	-2.18
3009	-31329.7	-156648.5	-12714.5	-31106.5	-156871.7	-2.41

NODE	Vxx	Vyy

MAX Cent	0.0	259824.8
4009	0.0	257333.2
4001	0.0	262316.4
3001	0.0	262316.4
3009	0.0	257333.2
MIN Cent	-0.0	-94261.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4009 0.0 -98844.1
4001 0.0 -89678.4
3001 -0.0 -89678.4
3009 -0.0 -98844.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2141	3	5	env SL~1	MAX Cent	5657950.6	-269664.4	330030.0	5675743.4	-312106.9	3.09
				3089	5657950.6	-281998.4	330030.0	5675800.0	-324202.4	3.10
				3081	5657950.6	-257330.4	330030.0	5675687.1	-300014.2	3.08
				1081	5657950.6	-257330.4	330030.0	5675687.1	-300014.2	3.08
				1089	5657950.6	-281998.4	330030.0	5675800.0	-324202.4	3.10
				MIN Cent	-1335776.0	-521817.8	76284.8	-514545.5	-1344702.5	84.62
				3089	-1335776.0	-519802.6	76284.8	-512547.9	-1344676.1	84.64
				3081	-1335776.0	-523833.0	76284.8	-516542.9	-1344729.0	84.61
				1081	-1335776.0	-523833.0	76284.8	-516542.9	-1344729.0	84.61
				1089	-1335776.0	-519802.6	76284.8	-512547.9	-1344676.1	84.64

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	20836.7	104183.6	-3001.2	105066.5	19953.9	-84.15
3089	52823.7	264118.5	-3950.0	264646.8	52295.4	-87.14
3081	57661.7	288308.3	-3950.0	288792.4	57177.5	-87.38
1081	-2343.8	-11719.1	-1811.9	738.7	-14801.6	-26.45
1089	-24794.6	-123973.2	-1811.9	-24408.9	-124358.9	-3.56
MIN Cent	-91286.6	-456432.9	-8623.2	-91259.7	-456459.8	-0.49
3089	-33133.8	-165669.2	-10578.3	-33007.0	-165796.0	-1.77
3081	-30623.8	-153119.0	-10578.3	-30486.6	-153256.2	-1.92
1081	-145218.5	-726092.7	-6196.9	-145212.1	-726099.2	-0.19
1089	-156170.1	-780850.5	-6196.9	-156164.1	-780856.6	-0.18

NODE Vxx Vyy

MAX Cent	0.0	1029854.2
3089	0.0	1068814.6
3081	0.0	993004.2
1081	0.0	993004.2
1089	0.0	1068814.6
MIN Cent	-0.0	594059.7
3089	-0.0	670086.5
3081	-0.0	518032.9
1081	0.0	518032.9
1089	0.0	670086.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
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2142	3	5	env SL~1	MAX Cent	5653107.9	-269858.8	347007.5	5672710.6	-295946.1	3.23
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

3081 5653107.9 -257338.2 347007.5 5672722.5 -283578.3 3.24
3073 5653107.9 -282379.4 347007.5 5672698.6 -308315.6 3.23
1073 5653107.9 -282379.4 347007.5 5672698.6 -308315.6 3.23
1081 5653107.9 -257338.2 347007.5 5672722.5 -283578.3 3.24
MIN Cent -1334306.3 -514469.4 51478.7 -510610.5 -1340749.6 86.08
3081 -1334306.3 -523539.0 51478.7 -519637.4 -1340819.4 86.04
3073 -1334306.3 -514803.7 51478.7 -501582.7 -1340681.2 86.13
1073 -1334306.3 -514803.7 51478.7 -501582.7 -1340681.2 86.13
1081 -1334306.3 -523539.0 51478.7 -519637.4 -1340819.4 86.04

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 28148.8 140744.2 -4633.0 142198.8 26694.2 -83.56
3081 57661.7 288308.3 -4864.9 289035.7 56934.2 -86.79
3073 56260.5 281302.7 -4864.9 282048.2 55515.1 -86.71
1073 1017.0 5084.8 -4289.5 15872.3 -9770.6 -49.56
1081 -2343.8 -11719.1 -4289.5 6467.6 -20530.6 -34.84
MIN Cent -86945.0 -434725.1 -12880.1 -86880.1 -434789.9 -0.78
3081 -30623.8 -153119.0 -12973.7 -30418.7 -153324.1 -2.34
3073 -30451.2 -152256.2 -12973.7 -30245.0 -152462.5 -2.35
1073 -141486.5 -707432.3 -12659.1 -141452.4 -707466.4 -0.44
1081 -145218.5 -726092.7 -12659.1 -145185.4 -726125.8 -0.43

```

NODE Vxx Vyy

```

MAX Cent 0.0 977528.3
3081 0.0 993004.2
3073 -0.0 962052.4
1073 0.0 962052.4
1081 0.0 993004.2
MIN Cent -0.0 497478.0
3081 -0.0 518032.9
3073 -0.0 476923.0
1073 0.0 476923.0
1081 -0.0 518032.9

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2143 3 5 env SL~1 MAX Cent 5653124.3 -275904.4 198315.3 5659515.0 -282123.0 1.85
3073 5653124.3 -282621.2 198315.3 5659511.0 -288820.2 1.85
3065 5653124.3 -269187.6 198315.3 5659519.0 -275426.0 1.85
1065 5653124.3 -269187.6 198315.3 5659519.0 -275426.0 1.85
1073 5653124.3 -282621.2 198315.3 5659511.0 -288820.2 1.85
MIN Cent -1333532.7 -512072.5 -45297.5 -509590.4 -1336797.8 87.99
3073 -1333532.7 -514762.9 -45297.5 -504240.9 -1336776.6 88.01
3065 -1333532.7 -515957.2 -45297.5 -514939.9 -1336819.2 87.98
1065 -1333532.7 -515957.2 -45297.5 -514939.9 -1336819.2 87.98
1073 -1333532.7 -514762.9 -45297.5 -504240.9 -1336776.6 88.01

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	29832.9	149164.5	-5215.8	150437.8	28559.6	-84.13
3073	56260.5	281302.7	-5149.7	282016.3	55547.0	-86.78
3065	55531.5	277657.5	-5149.7	278380.4	54808.6	-86.74
1065	6522.6	32613.1	-5237.3	37242.5	1893.2	-68.78
1073	1017.0	5084.8	-5237.3	15148.4	-9046.7	-49.84
MIN Cent	-86440.3	-432201.7	-12392.2	-86349.4	-432292.6	-0.93
3073	-30451.2	-152256.2	-12692.3	-30208.6	-152498.9	-2.55
3065	-31882.1	-159410.6	-12692.3	-31650.3	-159642.5	-2.44
1065	-141941.5	-709707.7	-11925.4	-141883.4	-709765.9	-0.58
1073	-141486.5	-707432.3	-11925.4	-141428.1	-707490.6	-0.58

NODE	Vxx	Vyy

MAX Cent	0.0	955077.8
3073	0.0	962052.4
3065	0.0	950153.3
1065	0.0	950153.3
1073	0.0	962052.4
MIN Cent	-0.0	450010.6
3073	-0.0	476923.0
3065	-0.0	423098.2
1065	-0.0	423098.2
1073	-0.0	476923.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2144	3	5	env SL~1	MAX Cent	5654204.1	-265442.8	103145.7	5655842.3	-265999.7	0.94
				3065	5654204.1	-268769.1	103145.7	5655841.9	-269325.2	0.94
				3057	5654204.1	-262116.4	103145.7	5655842.6	-262674.2	0.94
				1057	5654204.1	-262116.4	103145.7	5655842.6	-262674.2	0.94
				1065	5654204.1	-268769.1	103145.7	5655841.9	-269325.2	0.94
				MIN Cent	-1336157.0	-523723.0	-141300.9	-523625.9	-1336545.5	89.37
				3065	-1336157.0	-516482.1	-141300.9	-516385.8	-1336545.5	89.38
				3057	-1336157.0	-530964.0	-141300.9	-530866.0	-1336545.4	89.37
				1057	-1336157.0	-530964.0	-141300.9	-530866.0	-1336545.4	89.37
				1065	-1336157.0	-516482.1	-141300.9	-516385.8	-1336545.5	89.38

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	32795.2	163975.8	-5005.0	165073.8	31697.2	-84.79
3065	55531.5	277657.5	-5050.9	278361.2	54827.8	-86.78
3057	55435.9	277179.5	-5050.9	277884.4	54731.0	-86.78
1057	13690.6	68453.2	-4880.1	70726.4	11417.5	-78.71
1065	6522.6	32613.1	-4880.1	36883.5	2252.3	-69.44
MIN Cent	-88010.6	-440053.0	-12051.4	-87908.1	-440155.6	-0.98
3065	-31882.1	-159410.6	-12522.0	-31631.5	-159661.2	-2.54

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

3057 -33961.2 -169805.8 -12522.0 -33725.8 -170041.1 -2.38
 1057 -144257.6 -721288.0 -11386.5 -144187.4 -721358.2 -0.63
 1065 -141941.5 -709707.7 -11386.5 -141870.2 -709779.1 -0.64

NODE Vxx Vyy

MAX Cent -0.0 951176.5

3065 0.0 950153.3
 3057 0.0 952199.6
 1057 -0.0 952199.6
 1065 -0.0 950153.3

MIN Cent -0.0 391744.5

3065 -0.0 423098.2
 3057 -0.0 360390.7
 1057 -0.0 360390.7
 1065 -0.0 423098.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2145 3 5 env SL~1 MAX Cent 5654395.8 -256641.8 34307.9 5654580.5 -256846.2 0.31

3057 5654395.8 -261764.4 34307.9 5654580.5 -261968.4 0.31
 3049 5654395.8 -251519.1 34307.9 5654580.6 -251724.1 0.31
 1049 5654395.8 -251519.1 34307.9 5654580.6 -251724.1 0.31
 1057 5654395.8 -261764.4 34307.9 5654580.5 -261968.4 0.31

MIN Cent -1341525.2 -550564.0 -208619.3 -550331.0 -1341758.3 -89.02

3057 -1341525.2 -532037.6 -208619.3 -531809.9 -1341752.9 -89.04
 3049 -1341525.2 -569090.3 -208619.3 -568851.7 -1341763.8 -88.99
 1049 -1341525.2 -569090.3 -208619.3 -568851.7 -1341763.8 -88.99
 1057 -1341525.2 -532037.6 -208619.3 -531809.9 -1341752.9 -89.04

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 36760.1 183800.5 -4910.1 184739.0 35821.6 -85.45

3057 55435.9 277179.5 -5013.8 277868.8 54746.6 -86.81
 3049 55795.2 278976.1 -5013.8 279660.9 55110.3 -86.83
 1049 22118.7 110593.4 -4734.6 111933.6 20778.5 -83.04
 1057 13690.6 68453.2 -4734.6 70569.4 11574.4 -79.08

MIN Cent -91024.9 -455124.3 -11784.7 -90908.9 -455240.2 -1.02

3057 -33961.2 -169805.8 -12382.2 -33704.8 -170062.1 -2.49
 3049 -36933.0 -184664.8 -12382.2 -36697.1 -184900.7 -2.29
 1049 -148947.7 -744738.4 -10971.3 -148862.2 -744823.9 -0.69
 1057 -144257.6 -721288.0 -10971.3 -144169.3 -721376.3 -0.71

NODE Vxx Vyy

MAX Cent 0.0 959616.6

3057 0.0 952199.6
 3049 0.0 967033.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1049 -0.0 967033.5
1057 -0.0 952199.6
MIN Cent 0.0 325561.7
3057 0.0 360390.7
3049 0.0 290732.6
1049 -0.0 290732.6
1057 -0.0 360390.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2146	3	5	env SL~1	MAX Cent	5655001.9	-246637.3	6352.6	5655027.1	-247875.9	-0.12
				3049	5655001.9	-251119.0	6352.6	5655027.1	-252354.8	-0.12
				3041	5655001.9	-242155.7	6352.6	5655027.1	-243396.9	-0.12
				1041	5655001.9	-242155.7	6352.6	5655027.1	-243396.9	-0.12
				1049	5655001.9	-251119.0	6352.6	5655027.1	-252354.8	-0.12
				MIN Cent	-1347856.3	-582219.3	-246049.6	-581942.4	-1348133.2	-88.91
				3049	-1347856.3	-570356.6	-246049.6	-570083.9	-1348129.0	-88.93
				3041	-1347856.3	-594082.1	-246049.6	-593800.8	-1348137.6	-88.89
				1041	-1347856.3	-594082.1	-246049.6	-593800.8	-1348137.6	-88.89
				1049	-1347856.3	-570356.6	-246049.6	-570083.9	-1348129.0	-88.93

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	40657.5	203287.5	-4846.8	204123.5	39821.4	-85.91
3049	55795.2	278976.1	-4981.0	279655.6	55115.6	-86.85
3041	56177.6	280888.1	-4981.0	281563.1	55502.6	-86.87
1041	28538.5	142692.4	-4635.6	143709.5	27521.3	-84.63
1049	22118.7	110593.4	-4635.6	111898.2	20813.9	-83.13
MIN Cent	-93633.2	-468166.1	-11690.6	-93540.2	-468259.1	-0.90
3049	-36933.0	-184664.8	-12334.3	-36721.5	-184876.3	-2.17
3041	-38349.5	-191747.6	-12334.3	-38145.9	-191951.3	-2.09
1041	-150302.7	-751513.5	-10823.3	-150238.6	-751577.6	-0.59
1049	-148947.7	-744738.4	-10823.3	-148883.0	-744803.1	-0.60

NODE	Vxx	Vyy
MAX Cent	0.0	966767.9
3049	0.0	967033.5
3041	0.0	966502.3
1041	0.0	966502.3
1049	0.0	967033.5
MIN Cent	-0.0	264671.9
3049	-0.0	290732.6
3041	-0.0	238611.2
1041	-0.0	238611.2
1049	-0.0	290732.6

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2147	3	5	env SL~1	MAX Cent	5657004.0	-234801.0	47897.7	5657174.3	-236219.7	-0.30
				3041	5657004.0	-241682.2	47897.7	5657174.0	-243096.1	-0.30
				3033	5657004.0	-227919.9	47897.7	5657174.5	-229343.2	-0.30
				1033	5657004.0	-227919.9	47897.7	5657174.5	-229343.2	-0.30
				1041	5657004.0	-241682.2	47897.7	5657174.0	-243096.1	-0.30
				MIN Cent	-1345355.2	-569713.9	-245935.2	-567898.1	-1347171.0	87.23
				3041	-1345355.2	-593581.9	-245935.2	-591708.8	-1347228.3	87.15
				3033	-1345355.2	-545845.9	-245935.2	-544084.1	-1347117.0	87.32
				1033	-1345355.2	-545845.9	-245935.2	-544084.1	-1347117.0	87.32
				1041	-1345355.2	-593581.9	-245935.2	-591708.8	-1347228.3	87.15
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	45261.0	226305.1	-3304.5	227062.8	44503.4	-86.31
				3041	56177.6	280888.1	-4250.2	281565.5	55500.2	-86.86
				3033	56737.7	283688.4	-4250.2	284359.2	56066.9	-86.89
				1033	39590.3	197951.6	-2148.4	198697.8	38844.0	-86.08
				1041	28538.5	142692.4	-2148.4	143723.2	27507.6	-84.60
				MIN Cent	-90797.1	-453985.3	-11736.4	-90760.7	-454021.7	-0.57
				3041	-38349.5	-191747.6	-12356.4	-38221.8	-191875.4	-1.65
				3033	-35718.1	-178590.3	-12356.4	-35580.9	-178727.4	-1.77
				1033	-138818.0	-694089.8	-10896.7	-138805.3	-694102.5	-0.27
				1041	-150302.7	-751513.5	-10896.7	-150291.0	-751525.2	-0.25
				NODE	Vxx	Vyy				
				MAX Cent	0.0	928286.7				
				3041	0.0	966502.3				
				3033	0.0	890071.1				
				1033	-0.0	890071.1				
				1041	-0.0	966502.3				
				MIN Cent	-0.0	193323.0				
				3041	-0.0	238611.2				
				3033	-0.0	148034.8				
				1033	-0.0	148034.8				
				1041	-0.0	238611.2				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2148	3	5	env SL~1	MAX Cent	5659811.0	-221660.7	124850.2	5659936.9	-221843.8	-0.26
				3033	5659811.0	-227394.2	124850.2	5659936.8	-227576.8	-0.26
				3025	5659811.0	-215927.2	124850.2	5659937.0	-216110.8	-0.26
				1025	5659811.0	-215927.2	124850.2	5659937.0	-216110.8	-0.26
				1033	5659811.0	-227394.2	124850.2	5659936.8	-227576.8	-0.26
				MIN Cent	-1335280.2	-519339.0	-194704.7	-505418.0	-1349201.3	82.62
				3033	-1335280.2	-543830.9	-194704.7	-529494.0	-1349617.2	82.40

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

3025 -1335280.2 -498661.6 -194704.7 -492558.6 -1348808.4 85.13
1025 -1335280.2 -498661.6 -194704.7 -492558.6 -1348808.4 85.13
1033 -1335280.2 -543830.9 -194704.7 -529494.0 -1349617.2 82.40
    
```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
    
```

```

MAX Cent 50219.5 251097.3 -2242.0 251797.6 49519.2 -86.63
3033 56737.7 283688.4 -3700.4 284367.9 56058.1 -86.87
3025 56959.8 284799.1 -3700.4 285476.0 56282.9 -86.88
1025 47590.1 237950.3 -487.3 238597.3 46943.0 -86.67
1033 39590.3 197951.6 -487.3 198728.2 38813.7 -86.00
MIN Cent -83230.8 -416154.0 -11881.2 -83206.4 -416178.4 -0.49
3033 -35718.1 -178590.3 -12437.1 -35604.9 -178703.5 -1.61
3025 -32290.9 -161454.4 -12437.1 -32165.7 -161579.6 -1.78
1025 -126385.3 -631926.5 -11117.1 -126358.3 -631953.5 -0.42
1033 -138818.0 -694089.8 -11117.1 -138814.3 -694093.5 -0.15
    
```

```

NODE   Vxx   Vyy
    
```

```

MAX Cent 0.0 849951.0
3033 0.0 890071.1
3025 0.0 817513.0
1025 0.0 817513.0
1033 0.0 890071.1
MIN Cent 0.0 114462.5
3033 0.0 148034.8
3025 0.0 80890.1
1025 0.0 80890.1
1033 0.0 148034.8
    
```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
    
```

```

2149 3 5 env SL~1 MAX Cent 5661750.4 -220257.2 159073.3 5661829.0 -220678.6 -0.21
3025 5661750.4 -215871.1 159073.3 5661829.0 -216293.4 -0.21
3017 5661750.4 -224643.3 159073.3 5661829.0 -225063.9 -0.21
1017 5661750.4 -224643.3 159073.3 5661829.0 -225063.9 -0.21
1025 5661750.4 -215871.1 159073.3 5661829.0 -216293.4 -0.21
MIN Cent -1329255.3 -489214.4 -127342.0 -470257.0 -1353524.7 81.55
3025 -1329255.3 -498054.8 -127342.0 -478904.6 -1353752.1 81.47
3017 -1329255.3 -480373.9 -127342.0 -461605.5 -1353301.2 81.63
1017 -1329255.3 -480373.9 -127342.0 -461605.5 -1353301.2 81.63
1025 -1329255.3 -498054.8 -127342.0 -478904.6 -1353752.1 81.47
    
```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
    
```

```

MAX Cent 54593.1 272965.7 -3632.9 273586.7 53972.1 -86.95
3025 56959.8 284799.1 -4405.1 285460.6 56298.4 -86.92
3017 57377.0 286885.1 -4405.1 287541.7 56720.4 -86.94
    
```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

1017 56445.7 282228.3 -2676.7 282744.2 55929.8 -87.27
1025 47590.1 237950.3 -2676.7 238561.6 46978.7 -86.76
MIN Cent -76995.3 -384976.4 -11662.3 -76944.8 -385026.8 -0.73
3025 -32290.9 -161454.4 -12293.8 -32133.0 -161612.3 -2.00
3017 -30653.0 -153264.9 -12293.8 -30486.7 -153431.2 -2.11
1017 -119436.1 -597180.3 -10805.0 -119414.5 -597201.9 -0.38
1025 -126385.3 -631926.5 -10805.0 -126364.9 -631946.9 -0.36

```

NODE Vxx Vyy

```

-----
MAX Cent 0.0 792783.9
3025 -0.0 817513.0
3017 -0.0 768054.9
1017 0.0 768054.9
1025 0.0 817513.0
MIN Cent -0.0 44465.3
3025 -0.0 80890.1
3017 -0.0 8040.5
1017 0.0 8040.5
1025 0.0 80890.1

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
2150 3 5 env SL~1 MAX Cent 5666751.9 -175482.1 195215.4 5668124.6 -179963.9 -0.86
3017 5666751.9 -222852.3 195215.4 5668119.1 -227232.0 -0.86
3009 5666751.9 -128111.8 195215.4 5668130.3 -132700.6 -0.87
1009 5666751.9 -128111.8 195215.4 5668130.3 -132700.6 -0.87
1017 5666751.9 -222852.3 195215.4 5668119.1 -227232.0 -0.86
MIN Cent -1326543.4 -475655.0 -105818.4 -438469.3 -1365943.3 78.44
3017 -1326543.4 -479831.6 -105818.4 -442477.3 -1366057.2 78.38
3009 -1326543.4 -471617.7 -105818.4 -434459.8 -1365829.9 78.49
1009 -1326543.4 -471617.7 -105818.4 -434459.8 -1365829.9 78.49
1017 -1326543.4 -479831.6 -105818.4 -442477.3 -1366057.2 78.38

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 60261.9 301309.5 -4703.3 301834.0 59737.3 -87.33
3017 57377.0 286885.1 -4921.2 287532.2 56729.9 -86.96
3009 59247.5 296237.5 -4921.2 296864.2 58620.7 -87.06
1009 67977.4 339887.0 -4397.7 340258.1 67606.3 -87.89
1017 56445.7 282228.3 -4397.7 282674.9 55999.0 -87.46
MIN Cent -74337.4 -371687.1 -11257.2 -74257.2 -371767.4 -0.94
3017 -30653.0 -153264.9 -12203.8 -30427.6 -153490.3 -2.45
3009 -31131.4 -155657.2 -12203.8 -30909.5 -155879.1 -2.42
1009 -116765.5 -583827.5 -10052.0 -116719.2 -583873.8 -0.57
1017 -119436.1 -597180.3 -10052.0 -119390.8 -597225.6 -0.56

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

-----
MAX Cent  0.0 755626.3
  3017   0.0 768054.9
  3009   0.0 743197.7
  1009   0.0 743197.7
  1017   0.0 768054.9
MIN Cent  0.0 -33662.9
  3017  -0.0  8040.5
  3009  -0.0 -75366.2
  1009  -0.0 -75366.2
  1017  -0.0  8040.5

```

```

ELEM MAT SEC  LC  NODE  Fxx  Fyy  Fxy  Fmax  Fmin  ANGLE
-----
2151  3  5 env SL~1 MAX Cent 5664404.0 -236282.4 161739.9 5665414.9 -241693.9 -0.74
      3009 5664404.0 -130543.8 161739.9 5665421.0 -136244.9 -0.74
      3001 5664404.0 -342021.0 161739.9 5665408.9 -347170.8 -0.73
      1001 5664404.0 -342021.0 161739.9 5665408.9 -347170.8 -0.73
      1009 5664404.0 -130543.8 161739.9 5665421.0 -136244.9 -0.74
      MIN Cent -1334238.5 -514130.2 -85384.4 -485184.9 -1363939.1 79.54
      3009 -1334238.5 -473211.5 -85384.4 -445557.0 -1362618.9 80.00
      3001 -1334238.5 -555048.8 -85384.4 -524691.0 -1365383.0 79.04
      1001 -1334238.5 -555048.8 -85384.4 -524691.0 -1365383.0 79.04
      1009 -1334238.5 -473211.5 -85384.4 -445557.0 -1362618.9 80.00

```

```

      NODE  Mxx  Myy  Mxy  Mmax  Mmin  ANGLE

```

```

-----
MAX Cent 58374.0 291870.1 -6370.6 292933.4 57310.7 -86.15
  3009 59247.5 296237.5 -5645.4 297081.0 58403.9 -86.59
  3001 50785.9 253929.5 -5645.4 254912.4 49803.0 -86.03
  1001 55485.3 277426.5 -7142.7 278802.3 54109.4 -85.51
  1009 67977.4 339887.0 -7142.7 341012.4 66852.1 -86.33
MIN Cent -76427.8 -382139.0 -15792.6 -76278.8 -382288.0 -1.26
  3009 -31131.4 -155657.2 -14164.4 -30850.2 -155938.4 -2.72
  3001 -35248.6 -176243.1 -14164.4 -35000.1 -176491.6 -2.40
  1001 -122964.1 -614820.5 -17528.6 -122845.3 -614939.3 -0.89
  1009 -116765.5 -583827.5 -17528.6 -116650.3 -583942.8 -0.90

```

```

      NODE  Vxx  Vyy

```

```

-----
MAX Cent  0.0 751992.7
  3009   0.0 743197.7
  3001   0.0 760787.8
  1001  -0.0 760787.8
  1009   0.0 743197.7
MIN Cent  -0.0 -57968.2
  3009  -0.0 -75366.2
  3001   0.0 -40570.2
  1001  -0.0 -40570.2

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

1009 -0.0 -75366.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2154 3 3 env SL~1 MAX Cent 5731447.7 -13902.9 428657.3 5763191.7 -44365.3 4.24
 5048 6201087.2 -179145.6 428657.3 6228291.1 -208485.0 3.63
 5190 6201087.2 475715.1 428657.3 6233002.7 444981.8 4.26
 5196 5264069.6 475715.1 428657.3 5301218.2 439269.9 5.01
 4948 5264069.6 -179145.6 428657.3 5295092.9 -213907.1 4.19
 MIN Cent -1138010.9 -254185.7 179422.8 -204359.6 -1183277.2 76.95
 5048 -1097188.8 -539045.7 179422.8 -464280.4 -1158434.6 70.82
 5190 -1097188.8 10193.8 179422.8 45631.4 -1132626.3 80.01
 5196 -1180971.0 10193.8 179422.8 43330.7 -1222335.3 80.65
 4948 -1180971.0 -539045.7 179422.8 -473721.3 -1253453.8 73.10

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 90785.6 523754.2 73842.3 558542.4 55997.4 -74.75
 5048 199800.2 356344.5 66887.3 367366.8 106021.5 80.60
 5190 115521.8 94393.1 75931.4 180951.9 30730.2 40.85
 5196 286702.3 1433511.3 48505.0 1439150.4 281063.2 -86.00
 4948 226798.5 1133992.5 39461.0 1153231.5 207559.4 -81.80
 MIN Cent -362.1 23865.7 -132215.3 69679.4 -46175.8 -51.04
 5048 -38840.0 -139868.5 -113369.4 57288.4 -153747.9 -14.86
 5190 -357575.2 -714429.1 -61670.7 -347301.3 -724703.0 -9.50
 5196 -47585.5 -237927.6 -83438.4 -37189.9 -248323.3 12.82
 4948 11501.2 57505.9 -135137.1 78777.3 -9770.2 60.65

NODE Vxx Vyy

MAX Cent 74314.7 494097.6
 5048 148629.5 482802.6
 5190 148629.5 523336.1
 5196 0.0 523336.1
 4948 0.0 482802.6
 MIN Cent -40369.5 -2615897.5
 5048 -80739.1 -1632708.6
 5190 -80739.1 -3617495.8
 5196 0.0 -3617495.8
 4948 0.0 -1632708.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2155 3 3 env SL~1 MAX Cent 5260801.1 -30245.2 451586.0 5288107.2 -50066.6 -4.17
 4948 5260801.1 -176422.5 451586.0 5285843.2 -279050.8 -3.84
 5196 5260801.1 437431.7 451586.0 5290798.9 411668.7 -4.57
 5202 5260801.1 437431.7 451586.0 5290798.9 411668.7 -4.57

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4848 5260801.1 -176422.5 451586.0 5285843.2 -279050.8 -3.84
MIN Cent -1187663.4 -287648.0 -398499.3 -239269.3 -1267561.6 77.27
4948 -1187663.4 -562653.3 -398499.3 -496289.7 -1291153.0 72.79
5196 -1187663.4 -28838.5 -398499.3 20201.4 -1252048.7 78.59
5202 -1187663.4 -28838.5 -398499.3 20201.4 -1252048.7 78.59
4848 -1187663.4 -562653.3 -398499.3 -496289.7 -1291153.0 72.79

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 167906.0 839529.9 13702.6 839786.5 167649.3 -88.88
4948 237336.9 1186684.4 22105.1 1187114.0 236907.3 -88.78
5196 281410.1 1407050.4 22105.1 1407412.8 281047.7 -88.97
5202 84131.5 420657.4 6548.4 420807.9 83981.0 -88.79
4848 68745.4 343727.2 6548.4 343911.3 68561.4 -88.52
MIN Cent -14818.4 -74092.0 -14615.6 -12398.1 -76512.3 11.20
4948 4663.7 23318.4 -22315.8 36049.5 -8067.4 57.51
5196 -43816.2 -219080.8 -22315.8 -41565.2 -221331.7 6.42
5202 -18499.3 -92496.4 -8056.9 -18076.6 -92919.1 4.31
4848 -1919.3 -9596.5 -8056.9 1613.6 -14000.6 29.98

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 1579295.1
4948 0.0 1455465.7
5196 0.0 1703124.5
5202 0.0 1703124.5
4848 0.0 1455465.7
MIN Cent -0.0 -82149.8
4948 0.0 54263.3
5196 0.0 -218563.0
5202 0.0 -218563.0
4848 0.0 54263.3

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2156 3 3 env SL~1 MAX Cent 5248386.7 -92317.3 790929.8 5251135.1 -93154.4 -1.47
4848 5248386.7 -202621.7 790929.8 5250900.2 -411273.2 -1.37
5202 5248386.7 287957.9 790929.8 5251406.1 285873.6 -1.59
5208 5248386.7 287957.9 790929.8 5251406.1 285873.6 -1.59
4748 5248386.7 -202621.7 790929.8 5250900.2 -411273.2 -1.37
MIN Cent -1194549.8 -322079.7 -145207.7 -204299.9 -1358301.1 70.97
4848 -1194549.8 -566649.6 -145207.7 -416707.3 -1393638.3 66.30
5202 -1194549.8 -86769.4 -145207.7 18627.4 -1332383.8 74.28
5208 -1194549.8 -86769.4 -145207.7 18627.4 -1332383.8 74.28
4748 -1194549.8 -566649.6 -145207.7 -416707.3 -1393638.3 66.30

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 49151.0 245755.2 4969.9 245907.6 48998.7 -88.41
  4848 69925.7 349628.4 7564.0 349841.3 69712.8 -88.42
  5202 83907.5 419537.3 7564.0 419714.8 83730.0 -88.68
  5208 23936.1 119680.5 2766.6 119795.6 23820.9 -88.01
  4748 19017.7 95088.6 2766.6 95226.3 18880.0 -87.57
MIN Cent -6742.0 -33709.9 -6242.8 -6102.2 -34349.6 8.66
  4848 -2924.1 -14620.4 -8690.5 41.3 -17585.8 24.21
  5202 -17749.4 -88747.1 -8690.5 -17142.2 -89354.2 5.26
  5208 -5862.7 -29313.4 -4184.0 -5719.8 -29456.2 4.45
  4748 -8426.3 -42131.5 -4184.0 -7914.7 -42643.1 -6.97

```

NODE Vxx Vyy

```

-----
MAX Cent 0.0 479404.8
  4848 0.0 440244.6
  5202 0.0 518565.0
  5208 0.0 518565.0
  4748 0.0 440244.6
MIN Cent -0.0 -62068.1
  4848 -0.0 -21058.3
  5202 -0.0 -103077.9
  5208 0.0 -103077.9
  4748 0.0 -21058.3

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
2157 3 3 env SL~1 MAX Cent 5237173.3 -148384.2 977175.1 5238342.1 -148664.5 0.86
  4748 5237173.3 -269376.5 977175.1 5238271.9 -420782.7 0.81
  5208 5237173.3 187189.9 977175.1 5238421.5 186757.3 0.92
  5214 5237173.3 187189.9 977175.1 5238421.5 186757.3 0.92
  4648 5237173.3 -269376.5 977175.1 5238271.9 -420782.7 0.81
MIN Cent -1200422.9 -351445.3 1995.5 -197236.9 -1405324.1 68.59
  4748 -1200422.9 -585873.6 1995.5 -393526.5 -1445533.6 64.01
  5208 -1200422.9 -121812.9 1995.5 10148.4 -1374913.1 72.00
  5214 -1200422.9 -121812.9 1995.5 10148.4 -1374913.1 72.00
  4648 -1200422.9 -585873.6 1995.5 -393526.5 -1445533.6 64.01

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 14471.7 72358.3 2204.4 72494.8 14335.2 -87.22
  4748 19526.5 97632.4 3002.8 97788.4 19370.5 -87.44
  5208 23838.5 119192.7 3002.8 119327.2 23704.0 -87.85
  5214 8008.7 40043.5 1506.6 40188.6 7863.6 -86.16
  4648 6561.2 32806.1 1506.6 32995.5 6371.8 -85.16
MIN Cent -4878.3 -24391.3 -3654.0 -4300.8 -24968.7 -9.62
  4748 -7853.5 -39267.6 -4402.4 -7372.1 -39749.0 -7.00
  5208 -5635.3 -28176.7 -4402.4 -5443.6 -28368.4 5.25
  5214 -2746.5 -13732.7 -3014.3 -2002.0 -14477.3 -14.14
  4648 -4091.9 -20459.5 -3014.3 -3574.6 -20976.8 -9.93

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	125934.9
4748	0.0	113944.4
5208	0.0	137925.5
5214	-0.0	137925.5
4648	-0.0	113944.4
MIN Cent	-0.0	-43976.0
4748	0.0	-32474.3
5208	0.0	-55756.9
5214	-0.0	-55756.9
4648	-0.0	-32474.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2158	3	3	env SL~1	MAX Cent	5227926.2	-194619.9	1053861.1	5231784.4	-196592.3	1.59
				4648	5227926.2	-353979.6	1053861.1	5231556.5	-439163.6	1.50
				5214	5227926.2	120791.9	1053861.1	5232040.1	119197.9	1.69
				5220	5227926.2	120791.9	1053861.1	5232040.1	119197.9	1.69
				4548	5227926.2	-353979.6	1053861.1	5231556.5	-439163.6	1.50
				MIN Cent	-1204985.7	-374259.1	58220.8	-214252.7	-1413804.3	68.17
				4648	-1204985.7	-609954.1	58220.8	-409484.8	-1456174.1	63.49
				5214	-1204985.7	-139436.8	58220.8	-7458.4	-1381981.6	71.67
				5220	-1204985.7	-139436.8	58220.8	-7458.4	-1381981.6	71.67
				4548	-1204985.7	-609954.1	58220.8	-409484.8	-1456174.1	63.49

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	6422.9	32114.5	1131.1	32299.7	6237.7	-85.16
4648	6895.1	34475.3	1442.5	34687.5	6682.8	-85.01
5214	7943.6	39718.2	1442.5	39891.9	7769.9	-85.78
5220	5586.6	27932.9	843.8	28120.3	5399.3	-84.79
4548	6153.0	30765.0	843.8	30793.9	6124.1	88.04
MIN Cent	-348.6	-1742.8	-3009.0	1779.4	-3870.7	-37.86
4648	-3685.8	-18429.2	-3189.2	-3144.8	-18970.2	-10.66
5214	-2825.3	-14126.7	-3189.2	-2135.7	-14816.4	-13.49
5220	2708.2	13540.9	-2856.9	14141.4	2107.6	-77.09
4548	2408.8	12044.1	-2856.9	12710.6	1742.3	-75.73

NODE	Vxx	Vyy

MAX Cent	-0.0	18493.6
4648	0.0	15289.8
5214	0.0	21810.0
5220	0.0	21810.0
4548	0.0	15289.8
MIN Cent	-0.0	-50193.6

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4648 -0.0 -52615.7
5214 -0.0 -47771.4
5220 -0.0 -47771.4
4548 -0.0 -52615.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2159 3 3 env SL~1 MAX Cent 5220846.4 -230018.7 1050897.1 5225352.7 -232106.7 1.75

4548 5220846.4 -441820.9 1050897.1 5225078.4 -456092.2 1.66
5220 5220846.4 80095.9 1050897.1 5225659.8 78161.9 1.86
5226 5220846.4 80095.9 1050897.1 5225659.8 78161.9 1.86
4448 5220846.4 -441820.9 1050897.1 5225078.4 -456092.2 1.66
MIN Cent -1207642.8 -387545.0 50151.0 -243670.2 -1395026.6 69.01
4548 -1207642.8 -630638.1 50151.0 -446929.8 -1437420.4 64.07
5220 -1207642.8 -144451.8 50151.0 -28398.7 -1364160.1 72.59
5226 -1207642.8 -144451.8 50151.0 -28398.7 -1364160.1 72.59
4448 -1207642.8 -630638.1 50151.0 -446929.8 -1437420.4 64.07

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 6748.1 33740.3 449.6 33747.8 6740.6 89.05
4548 6041.4 30207.0 639.7 30223.9 6024.5 88.48
5220 5521.1 27605.7 639.7 27837.4 5289.4 -84.18
5226 8485.7 42428.3 261.5 42662.9 8251.1 -85.26
4448 8807.3 44036.7 261.5 44262.8 8581.2 -85.43
MIN Cent 5647.8 28239.0 -3090.1 28654.0 5232.8 -82.35
4548 2779.1 13895.4 -3056.4 14528.7 2145.8 -76.93
5220 2629.2 13146.0 -3056.4 13811.4 1963.8 -76.29
5226 6237.2 31185.9 -3126.0 31481.9 5876.4 -83.82
4448 6449.1 32245.7 -3126.0 32599.5 6075.8 -84.03

NODE Vxx Vyy

MAX Cent 0.0 -10272.6
4548 -0.0 -10724.9
5220 -0.0 -9820.3
5226 0.0 -9820.3
4448 0.0 -10724.9
MIN Cent -0.0 -51300.9
4548 -0.0 -52042.5
5220 -0.0 -50559.4
5226 0.0 -50559.4
4448 0.0 -52042.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2160 3 3 env SL~1 MAX Cent 5216307.4 -246624.7 986632.7 5219312.9 -246840.1 1.53

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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4448 5216307.4 -468047.4 986632.7 5219099.4 -468240.6 1.45
5226 5216307.4 61532.1 986632.7 5219552.4 60239.4 1.63
5232 5216307.4 61532.1 986632.7 5219552.4 60239.4 1.63
4348 5216307.4 -468047.4 986632.7 5219099.4 -468240.6 1.45
MIN Cent -1208125.6 -389958.9 20346.0 -274913.8 -1358814.9 70.87
4448 -1208125.6 -644307.7 20346.0 -492872.8 -1398662.0 65.64
5226 -1208125.6 -135610.1 20346.0 -44925.6 -1331262.5 74.45
5232 -1208125.6 -135610.1 20346.0 -44925.6 -1331262.5 74.45
4348 -1208125.6 -644307.7 20346.0 -492872.8 -1398662.0 65.64

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 11644.9 58224.4 -212.8 58456.9 11412.3 -85.97
4448 9219.1 46095.6 -16.9 46355.6 8959.1 -85.22
5226 8392.1 41960.4 -16.9 42245.7 8106.9 -84.76
5232 14016.9 70084.6 -415.5 70301.6 13799.9 -86.45
4348 14951.4 74756.8 -415.5 74960.4 14747.8 -86.67
MIN Cent 7452.7 37263.7 -3531.3 37590.2 7126.2 -84.06
4448 6858.6 34293.0 -3373.5 34613.1 6492.3 -83.87
5226 6145.6 30728.1 -3373.5 31084.4 5703.2 -83.18
5232 8050.6 40253.0 -3687.1 40586.3 7717.3 -84.22
4348 8756.1 43780.6 -3687.1 44087.5 8449.2 -84.68

```

NODE Vxx Vyy

```

MAX Cent 0.0 -13550.3
4448 0.0 -13021.6
5226 0.0 -13094.9
5232 0.0 -13094.9
4348 0.0 -13021.6
MIN Cent 0.0 -49023.3
4448 0.0 -49486.9
5226 0.0 -48559.7
5232 -0.0 -48559.7
4348 -0.0 -49486.9

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2161 3 3 env SL~1 MAX Cent 5214552.6 -245329.0 869778.1 5215149.9 -245638.5 1.03
4348 5214552.6 -474423.5 869778.1 5215049.0 -474700.0 0.98
5232 5214552.6 63207.8 869778.1 5215263.8 62871.0 1.10
5238 5214552.6 63207.8 869778.1 5215263.8 62871.0 1.10
4248 5214552.6 -474423.5 869778.1 5215049.0 -474700.0 0.98
MIN Cent -1206224.6 -380453.6 -24377.0 -299515.7 -1312827.1 73.67
4348 -1206224.6 -648907.4 -24377.0 -538076.7 -1346845.5 68.31
5232 -1206224.6 -111999.9 -24377.0 -49951.6 -1290943.5 77.06
5238 -1206224.6 -111999.9 -24377.0 -49951.6 -1290943.5 77.06
4248 -1206224.6 -648907.4 -24377.0 -538076.7 -1346845.5 68.31

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	17572.4	87862.2	-1033.0	88125.4	17309.2	-86.50
4348	15471.3	77356.3	-733.5	77603.4	15224.2	-86.39
5232	13890.0	69450.2	-733.5	69725.1	13615.1	-85.99
5238	19439.2	97195.8	-1354.2	97481.0	19154.0	-86.54
4248	21489.3	107446.6	-1354.2	107704.8	21231.2	-86.87
MIN Cent	9556.5	47782.7	-4310.0	48056.6	9228.2	-85.18
4348	9238.8	46194.0	-3977.2	46537.2	8895.6	-84.52
5232	7929.7	39648.7	-3977.2	40047.3	7531.2	-83.64
5238	9651.4	48257.0	-4717.4	48327.8	9325.6	-87.55
4248	11002.0	55010.2	-4717.4	55288.4	10723.8	-85.47

NODE	Vxx	Vyy

MAX Cent	0.0	-12649.0
4348	0.0	-14791.9
5232	0.0	-10266.7
5238	-0.0	-10266.7
4248	-0.0	-14791.9
MIN Cent	0.0	-49930.4
4348	0.0	-51954.5
5232	0.0	-47906.2
5238	-0.0	-47906.2
4248	-0.0	-51954.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2162	3	3	env SL~1	MAX Cent	5215822.7	-232880.0	700381.0	5215880.8	-236334.3	-0.19
				4248	5215822.7	-472219.2	700381.0	5215877.4	-475289.9	-0.18
				5238	5215822.7	84977.0	700381.0	5215884.7	84912.6	-0.20
				5244	5215822.7	84977.0	700381.0	5215884.7	84912.6	-0.20
				4148	5215822.7	-472219.2	700381.0	5215877.4	-475289.9	-0.18
				MIN Cent	-1201703.6	-357848.8	-81297.6	-310467.9	-1263374.0	77.44
				4248	-1201703.6	-643033.6	-81297.6	-575264.7	-1287691.3	72.40
				5238	-1201703.6	-72664.0	-81297.6	-37336.7	-1249107.0	80.32
				5244	-1201703.6	-72664.0	-81297.6	-37336.7	-1249107.0	80.32
				4148	-1201703.6	-643033.6	-81297.6	-575264.7	-1287691.3	72.40

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	23987.8	119939.2	-2306.3	120325.1	23602.0	-86.38
4248	22210.3	111051.7	-1677.1	111361.6	21900.4	-86.63
5238	19240.2	96200.9	-1677.1	96558.3	18882.8	-86.11
5244	24746.0	123730.2	-3008.1	124224.5	24251.7	-85.97
4148	29754.8	148774.1	-3008.1	149185.9	29343.1	-86.64
MIN Cent	11586.0	57930.1	-6097.1	58092.6	11186.0	-86.82
4248	11522.0	57610.1	-5256.6	57914.9	11217.2	-85.37

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5238 9552.8 47763.9 -5256.6 47865.7 9062.4 -87.05
5244 10604.2 53021.1 -7012.3 53276.8 10171.1 -85.60
4148 14335.4 71677.2 -7012.3 72100.1 13912.6 -85.11

NODE Vxx Vyy

MAX Cent 0.0 -17343.4

4248 -0.0 -24288.6
5238 0.0 -8956.3
5244 0.0 -8956.3
4148 0.0 -24288.6

MIN Cent -0.0 -56332.5

4248 -0.0 -65132.3
5238 -0.0 -47532.7
5244 -0.0 -47532.7
4148 0.0 -65132.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2163 3 3 env SL~1 MAX Cent 5220513.4 -207889.8 469648.6 5222296.8 -219962.3 -1.04

4148 5220513.4 -459488.6 469648.6 5222187.0 -470157.6 -0.97
5244 5220513.4 128166.4 469648.6 5222421.9 127011.4 -1.11
5250 5220513.4 128166.4 469648.6 5222421.9 127011.4 -1.11
4048 5220513.4 -459488.6 469648.6 5222187.0 -470157.6 -0.97

MIN Cent -1194237.8 -320520.0 -151532.4 -301021.8 -1217012.6 82.21

4148 -1194237.8 -655025.0 -151532.4 -596617.6 -1228478.1 78.44
5244 -1194237.8 -15857.3 -151532.4 -2428.2 -1210939.0 84.26
5250 -1194237.8 -15857.3 -151532.4 -2428.2 -1210939.0 84.26
4048 -1194237.8 -655025.0 -151532.4 -596617.6 -1228478.1 78.44

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 31647.2 158236.1 -4920.0 158975.1 30908.2 -85.64

4148 30879.2 154396.2 -3254.9 154859.6 30415.9 -86.50
5244 24367.2 121835.9 -3254.9 122421.8 23781.3 -85.58
5250 28664.5 143322.4 -6812.2 144584.5 27402.3 -84.04
4048 42677.9 213389.7 -6812.2 214242.6 41825.1 -85.97

MIN Cent 14622.3 73111.7 -9700.2 73855.9 13878.1 -83.60

4148 15116.2 75581.0 -7579.6 75913.8 14685.7 -86.77
5244 10352.6 51762.8 -7579.6 52065.5 9714.0 -85.13
5250 10526.2 52630.8 -12095.9 55308.9 7779.7 -76.26
4048 21519.1 107595.4 -12095.9 108402.1 20712.3 -84.50

NODE Vxx Vyy

MAX Cent 0.0 -30174.2

4148 0.0 -55276.6
5244 0.0 1310.8

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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5250  0.0 1310.8
4048  0.0 -55276.6
MIN Cent  0.0 -69479.1
4148  0.0 -101859.3
5244  0.0 -37099.0
5250  -0.0 -37099.0
4048  -0.0 -101859.3
    
```

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2164	3	3	env SL~1	MAX Cent	5229214.4	-168220.0	158418.4	5236979.5	-195943.6	-2.17
				4048	5229214.4	-433298.4	158418.4	5236472.3	-460179.0	-2.03
				5250	5229214.4	195174.8	158418.4	5237562.7	187779.4	-2.33
				5256	5229214.4	195174.8	158418.4	5237562.7	187779.4	-2.33
				3048	5229214.4	-433298.4	158418.4	5236472.3	-460179.0	-2.03
				MIN Cent	-1183341.2	-266037.0	-240411.4	-264562.1	-1184816.1	87.71
				4048	-1183341.2	-630591.0	-240411.4	-590703.3	-1185627.8	86.45
				5250	-1183341.2	59004.3	-240411.4	59605.9	-1184429.4	88.74
				5256	-1183341.2	59004.3	-240411.4	59605.9	-1184429.4	88.74
				3048	-1183341.2	-630591.0	-240411.4	-590703.3	-1185627.8	86.45

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	41526.3	207631.5	-11643.1	209663.1	39494.7	-83.73
4048	44771.2	223856.1	-6716.7	224709.3	43918.0	-86.06
5250	27767.6	138838.1	-6716.7	140203.6	26402.1	-83.71
5256	25465.9	127329.6	-17371.8	133362.4	19433.1	-76.70
3048	68100.5	340502.3	-17371.8	342871.3	65731.5	-84.70
MIN Cent	20412.6	102063.2	-18481.9	104025.7	18450.1	-81.29
4048	22979.6	114898.2	-12390.7	115629.8	22248.0	-84.92
5250	9595.6	47978.2	-12390.7	50817.1	6735.1	-75.44
5256	3456.4	17282.0	-25513.1	35856.3	-15739.5	-52.95
3048	40318.3	201591.6	-25513.1	203603.1	38306.9	-83.67

NODE	Vxx	Vyy
MAX Cent	0.0	-62987.7
4048	0.0	-149686.6
5250	0.0	53153.8
5256	0.0	53153.8
3048	0.0	-149686.6
MIN Cent	0.0	-90766.4
4048	-0.0	-204120.8
5250	-0.0	11669.0
5256	-0.0	11669.0
3048	-0.0	-204120.8

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2165	3	3	env SL~1	MAX Cent	5242825.0	-110539.9	-79687.2	5266190.8	-142923.5	-3.79
				3048	5242825.0	-388649.5	-79687.2	5264558.2	-448509.9	-3.53
				5256	5242825.0	290050.1	-79687.2	5268084.3	267091.8	-4.09
				5262	5242825.0	290050.1	-79687.2	5268084.3	267091.8	-4.09
				1048	5242825.0	-388649.5	-79687.2	5264558.2	-448509.9	-3.53
				MIN Cent	-1168271.6	-190688.9	-358750.2	-183506.6	-1176317.2	-85.37
				3048	-1168271.6	-554573.8	-358750.2	-534731.7	-1181387.3	-82.83
				5256	-1168271.6	153932.8	-358750.2	160922.2	-1173783.4	-85.85
				5262	-1168271.6	153932.8	-358750.2	160922.2	-1173783.4	-85.85
				1048	-1168271.6	-554573.8	-358750.2	-534731.7	-1181387.3	-82.83
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	55091.6	275458.1	-31316.3	283660.6	46889.1	-79.27
				3048	72912.4	364561.9	-16082.9	366608.1	70866.1	-85.23
				5256	22945.9	114729.4	-16082.9	120866.8	16808.5	-75.94
				5262	-2790.3	-13951.3	-48218.0	50385.2	-59464.4	-40.46
				1048	129722.8	648613.9	-48218.0	656681.1	121655.7	-82.95
				MIN Cent	33720.5	168602.6	-44615.7	175518.8	25482.2	-77.55
				3048	43807.4	219036.9	-24514.9	220644.0	42200.2	-84.55
				5256	732.7	3663.6	-24514.9	25138.9	-21264.6	-47.06
				5262	-26890.2	-134451.2	-69411.8	5126.5	-167886.3	-25.60
				1048	94894.6	474472.8	-69411.8	480502.2	88865.2	-82.87
				NODE	Vxx	Vyy				
				MAX Cent	0.0	-123669.0				
				3048	0.0	-441040.4				
				5256	0.0	243943.1				
				5262	0.0	243943.1				
				1048	0.0	-441040.4				
				MIN Cent	-0.0	-241986.9				
				3048	-0.0	-609586.5				
				5256	0.0	90094.6				
				5262	-0.0	90094.6				
				1048	-0.0	-609586.5				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2166	3	3	env SL~1	MAX Cent	5852444.7	-221924.0	2663260.2	6831850.0	-486146.9	20.25
				5008	6514603.7	203663.6	2663260.2	7462201.3	-252238.7	19.63
				5125	6514603.7	-344076.3	2663260.2	7380748.9	-685958.8	18.06
				5126	5191553.0	-344076.3	2663260.2	6204676.4	-717674.8	20.84
				4908	5191553.0	203663.6	2663260.2	6318995.5	-298784.7	22.96
				MIN Cent	-1356933.3	-466237.7	-459018.5	-279370.7	-1547307.2	-67.38
				5008	-1495865.9	-570022.9	-459018.5	-381706.0	-1676065.7	-67.58

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5125 -1495865.9 -791601.6 -459018.5 -220332.0 -1660234.5 -70.77
 5126 -1223381.4 -791601.6 -459018.5 -184212.5 -1805419.9 -66.73
 4908 -1223381.4 -570022.9 -459018.5 -336373.2 -1457429.0 -63.18

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent -32723.4 -187476.5 213529.9 -28646.2 -191553.7 -9.10
 5008 -8236.2 109131.5 182793.3 177633.5 -219824.7 69.21
 5125 345105.7 175324.8 190141.2 467057.3 53286.4 32.89
 5126 23769.5 118847.5 147173.4 123730.5 18886.5 -77.54
 4908 4622.8 23114.1 139567.8 24662.4 3796.0 -74.47
 MIN Cent -119522.7 -583862.1 -27274.3 -102435.7 -664811.5 6.36
 5008 -305992.3 -510025.3 -11852.7 -195512.1 -511824.3 4.33
 5125 -154994.1 -496186.4 -27128.1 -152814.8 -497843.1 -4.60
 5126 -338107.9 -1690539.5 -22756.5 -322277.6 -1706369.8 6.14
 4908 -175489.5 -877447.7 -7223.6 -149952.2 -902985.0 10.61

NODE Vxx Vyy

 MAX Cent 28897.6 2434770.7
 5008 57795.2 1782876.0
 5125 57795.2 3087375.7
 5126 0.0 3087375.7
 4908 0.0 1782876.0
 MIN Cent -136899.5 -915340.1
 5008 -273799.0 -818786.2
 5125 -273799.0 -1018898.7
 5126 -0.0 -1018898.7
 4908 -0.0 -818786.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

 2167 3 3 env SL~1 MAX Cent 5171196.2 -266355.7 647388.5 5178911.2 -272818.4 -2.26
 4908 5171196.2 214105.5 647388.5 5180007.6 167490.1 -2.54
 5126 5171196.2 -229002.1 647388.5 5178033.0 -550106.9 -2.03
 5127 5171196.2 -229002.1 647388.5 5178033.0 -550106.9 -2.03
 4808 5171196.2 214105.5 647388.5 5180007.6 167490.1 -2.54
 MIN Cent -1221008.1 -509281.4 -231299.3 -434910.6 -1259839.6 81.96
 4908 -1221008.1 -660009.1 -231299.3 -638865.1 -1270565.1 79.20
 5126 -1221008.1 -1136152.8 -231299.3 -233238.9 -1252489.5 82.09
 5127 -1221008.1 -1136152.8 -231299.3 -233238.9 -1252489.5 82.09
 4808 -1221008.1 -660009.1 -231299.3 -638865.1 -1270565.1 79.20

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent 8312.4 41562.2 27181.9 41814.3 8060.4 -85.04
 4908 8226.7 41133.6 46711.2 41914.7 7445.7 -81.34
 5126 20837.0 104185.1 46711.2 104499.6 20522.5 -86.49

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5127 4385.4 21927.2 10472.9 21975.6 4337.0 -87.00
4808 -161.2 -805.9 10472.9 556.7 -1461.1 -35.76
MIN Cent -175884.6 -879423.2 -3713.5 -174919.8 -880388.0 2.12
4908 -203865.4 -1019326.9 -6148.8 -201367.5 -1021824.8 3.16
5126 -312167.0 -1560834.9 -6148.8 -310458.4 -1562579.9 2.07
5127 -113413.2 -567065.8 -2562.2 -113205.5 -567273.5 1.23
4808 -74167.1 -370835.5 -2562.2 -73849.7 -371152.9 1.87

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 107385.8
4908 0.0 72473.3
5126 0.0 142298.3
5127 0.0 142298.3
4808 0.0 72473.3
MIN Cent -0.0 -1417459.1
4908 -0.0 -1119697.5
5126 -0.0 -1718152.7
5127 -0.0 -1718152.7
4808 -0.0 -1119697.5

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2168 3 3 env SL~1 MAX Cent 5193637.4 -243703.0 795458.3 5196791.5 -256948.1 -1.60
4808 5193637.4 33168.4 795458.3 5197014.2 -81834.2 -1.68
5127 5193637.4 -275900.4 795458.3 5196589.6 -373135.8 -1.53
5128 5193637.4 -275900.4 795458.3 5196589.6 -373135.8 -1.53
4708 5193637.4 33168.4 795458.3 5197014.2 -81834.2 -1.68
MIN Cent -1226455.3 -481607.3 -161327.3 -420524.2 -1319584.0 75.19
4808 -1226455.3 -666461.6 -161327.3 -593441.4 -1338820.3 71.39
5127 -1226455.3 -664510.3 -161327.3 -242407.7 -1305322.2 77.78
5128 -1226455.3 -664510.3 -161327.3 -242407.7 -1305322.2 77.78
4708 -1226455.3 -666461.6 -161327.3 -593441.4 -1338820.3 71.39

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 1401.7 7008.6 6862.5 7025.7 1384.6 -86.84
4808 143.9 719.5 12584.2 1544.6 -614.1 -52.49
5127 4158.8 20794.2 12584.2 20854.2 4098.8 -86.57
5128 1303.1 6515.7 2013.1 6568.1 1272.3 84.30
4708 37.3 186.6 2013.1 642.5 -215.4 49.04
MIN Cent -64650.8 -323253.9 -2175.0 -64501.8 -323403.0 1.37
4808 -77967.8 -389838.8 -1693.3 -77520.9 -390285.7 2.17
5127 -109703.8 -548519.1 -1693.3 -109386.0 -548836.9 1.54
5128 -41216.6 -206083.0 -2759.3 -41209.3 -206090.4 0.38
4708 -29758.3 -148791.3 -2759.3 -29748.1 -148801.5 0.53

```

```

NODE Vxx Vyy

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  -0.0 13505.0
  4808  -0.0 1781.5
  5127  -0.0 25228.5
  5128   0.0 25228.5
  4708   0.0 1781.5
MIN Cent  -0.0 -503913.7
  4808  -0.0 -416391.5
  5127  -0.0 -591435.9
  5128  -0.0 -591435.9
  4708  -0.0 -416391.5

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2169  3  3 env SL~1 MAX Cent 5202984.7 -245302.6 874231.9 5203979.7 -262389.8 -1.07
      4708 5202984.7 -134267.4 874231.9 5203996.7 -254780.9 -1.08
      5128 5202984.7 -252979.0 874231.9 5203963.0 -269999.3 -1.06
      5129 5202984.7 -252979.0 874231.9 5203963.0 -269999.3 -1.06
      4608 5202984.7 -134267.4 874231.9 5203996.7 -254780.9 -1.08
MIN Cent -1231020.5 -504433.4 -109959.8 -415166.1 -1355381.7 72.25
      4708 -1231020.5 -689996.2 -109959.8 -580244.0 -1380095.3 68.13
      5128 -1231020.5 -392192.6 -109959.8 -243410.8 -1336804.7 75.19
      5129 -1231020.5 -392192.6 -109959.8 -243410.8 -1336804.7 75.19
      4608 -1231020.5 -689996.2 -109959.8 -580244.0 -1380095.3 68.13

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 1271.7 6358.6 870.9 6431.7 1198.6 83.21
  4708  44.3 221.3 2569.1 525.3 -69.5 48.91
  5128 1237.7 6188.5 2569.1 6225.9 1214.7 85.05
  5129 1979.3 9896.3 847.6 9986.0 1900.9 83.96
  4608 1859.8 9299.2 847.6 9394.5 1771.5 83.58
MIN Cent -24224.6 -121123.2 -2418.3 -24224.6 -121123.2 -0.00
  4708 -30646.1 -153230.5 -2271.1 -30613.9 -153262.7 0.93
  5128 -40145.6 -200727.9 -2271.1 -40128.1 -200745.4 0.60
  5129 -14769.0 -73844.9 -2531.7 -14734.0 -73879.9 -1.39
  4608 -11356.1 -56780.7 -2531.7 -11310.7 -56826.2 -1.81

```

```

NODE Vxx Vyy
-----
MAX Cent -0.0 -9898.4
  4708   0.0 -14282.5
  5128   0.0 -5457.9
  5129   0.0 -5457.9
  4608   0.0 -14282.5
MIN Cent -0.0 -194111.8
  4708  -0.0 -168042.4
  5128  -0.0 -220181.1
  5129  -0.0 -220181.1

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4608 -0.0 -168042.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2170	3	3	env SL~1	MAX Cent 5204933.2	-258465.8	901480.8	5205247.9	-276134.7	-0.79	
				4608 5204933.2	-284659.1	901480.8	5205230.8	-342657.0	-0.78	
				5129 5204933.2	-191360.1	901480.8	5205265.7	-209653.3	-0.80	
				5130 5204933.2	-191360.1	901480.8	5205265.7	-209653.3	-0.80	
				4508 5204933.2	-284659.1	901480.8	5205230.8	-342657.0	-0.78	
				MIN Cent -1234197.8	-520319.6	-79925.5	-419880.3	-1368715.2	71.24	
				4608 -1234197.8	-714621.2	-79925.5	-588465.0	-1397362.0	66.81	
				5129 -1234197.8	-326017.9	-79925.5	-243482.2	-1347522.4	74.41	
				5130 -1234197.8	-326017.9	-79925.5	-243482.2	-1347522.4	74.41	
				4508 -1234197.8	-714621.2	-79925.5	-588465.0	-1397362.0	66.81	

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	2642.6	13213.2	676.5	13256.3	2599.5	86.35
4608	1778.1	8890.4	682.6	8955.3	1729.8	84.57
5129	1960.6	9803.2	682.6	9862.2	1909.3	85.06
5130	3257.4	16286.9	650.3	16319.3	3225.0	87.15
4508	3574.5	17872.4	650.3	17901.9	3545.0	87.40
MIN Cent	-8147.5	-40737.4	-2444.3	-8035.5	-40849.4	-3.35
4608	-11366.9	-56834.6	-2384.6	-11326.0	-56875.5	-1.72
5129	-14459.8	-72299.0	-2384.6	-14427.6	-72331.2	-1.35
5130	-3955.0	-19774.8	-2496.2	-3609.5	-20126.5	-7.19
4508	-2808.3	-14041.3	-2496.2	-2322.9	-14526.8	-11.50

NODE Vxx Vyy

MAX Cent	-0.0	-12276.2
4608	0.0	-14180.7
5129	0.0	-10371.6
5130	-0.0	-10371.6
4508	-0.0	-14180.7
MIN Cent	-0.0	-83012.2
4608	-0.0	-74831.0
5129	-0.0	-91193.4
5130	-0.0	-91193.4
4508	-0.0	-74831.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2171	3	3	env SL~1	MAX Cent 5203200.2	-274947.1	891113.8	5203511.1	-291056.1	-0.68	
				4508 5203200.2	-393390.9	891113.8	5203487.0	-408588.3	-0.65	
				5130 5203200.2	-141698.8	891113.8	5203536.8	-142493.6	-0.70	
				5131 5203200.2	-141698.8	891113.8	5203536.8	-142493.6	-0.70	

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

4408 5203200.2 -393390.9 891113.8 5203487.0 -408588.3 -0.65
MIN Cent -1235677.0 -527715.6 -66582.0 -428457.9 -1365889.5 71.34
4508 -1235677.0 -733347.6 -66582.0 -605686.7 -1396869.5 66.59
5130 -1235677.0 -322083.6 -66582.0 -242542.5 -1343666.0 74.65
5131 -1235677.0 -322083.6 -66582.0 -242542.5 -1343666.0 74.65
4408 -1235677.0 -733347.6 -66582.0 -605686.7 -1396869.5 66.59

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 3983.0 19915.1 325.8 19921.8 3976.4 88.83
4508 3512.9 17564.4 414.1 17576.5 3500.7 88.31
5130 3251.6 16257.8 414.1 16271.0 3238.4 88.18
5131 4434.0 22170.2 227.3 22596.2 4323.4 -81.29
4408 4841.3 24206.3 227.3 24449.1 4838.6 -81.94
MIN Cent -918.3 -4591.5 -2754.9 314.3 -6065.9 -26.73
4508 -2538.3 -12691.7 -2584.1 -1998.4 -13278.7 -11.71
5130 -3866.3 -19331.6 -2584.1 -3479.0 -19729.0 -7.82
5131 1050.4 5252.2 -2968.6 6476.8 -433.6 -64.59
4408 1652.7 8263.5 -2968.6 9181.2 515.3 -71.08

```

```

NODE Vxx Vyy
-----
MAX Cent -0.0 -9621.9
4508 -0.0 -10499.9
5130 -0.0 -8743.8
5131 0.0 -8743.8
4408 0.0 -10499.9
MIN Cent -0.0 -44696.7
4508 -0.0 -44411.7
5130 -0.0 -44981.8
5131 -0.0 -44981.8
4408 -0.0 -44411.7

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2172 3 3 env SL~1 MAX Cent 5200170.9 -289439.2 851197.4 5200819.1 -302907.0 -0.69
4408 5200170.9 -443059.0 851197.4 5200787.0 -455557.6 -0.66
5131 5200170.9 -103491.6 851197.4 5200854.1 -103737.3 -0.72
5132 5200170.9 -103491.6 851197.4 5200854.1 -103737.3 -0.72
4308 5200170.9 -443059.0 851197.4 5200787.0 -455557.6 -0.66
MIN Cent -1235262.4 -525642.7 -67266.9 -435262.3 -1352109.8 72.17
4408 -1235262.4 -742289.8 -67266.9 -623193.6 -1383478.7 67.18
5131 -1235262.4 -308995.5 -67266.9 -238247.8 -1330459.0 75.53
5132 -1235262.4 -308995.5 -67266.9 -238247.8 -1330459.0 75.53
4308 -1235262.4 -742289.8 -67266.9 -623193.6 -1383478.7 67.18

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent  6801.3  34006.4  -202.4  34385.2  6422.4  -83.32
  4408  5203.2  26016.1  -64.1  26455.2  4837.0  -81.82
  5131  4438.5  22192.6  -64.1  22703.6  4321.9  -80.50
  5132  8430.7  42153.4  -346.4  42494.3  8089.7  -84.29
  4308  9132.7  45663.4  -346.4  45978.6  8817.5  -84.72
MIN Cent  2711.9  13559.6  -3385.4  14331.5  1869.5  -75.55
  4408  2004.1  10020.6  -3197.8  10906.1  949.6  -72.50
  5131  1073.1  5365.3  -3197.8  6753.1  -579.4  -63.70
  5132  3602.8  18013.8  -3556.6  18679.3  2937.2  -78.13
  4308  4167.7  20838.5  -3556.6  21420.1  3586.1  -79.60

```

```

NODE      Vxx      Vyy
-----
MAX Cent  0.0 -6397.0
  4408    0.0 -6828.9
  5131    0.0 -5965.1
  5132    0.0 -5965.1
  4308    0.0 -6828.9
MIN Cent  -0.0 -34194.0
  4408   -0.0 -33923.3
  5131   -0.0 -34464.6
  5132   -0.0 -34464.6
  4308   -0.0 -33923.3

```

```

ELEM MAT SEC  LC  NODE      Fxx      Fyy      Fxy      Fmax      Fmin  ANGLE
-----
2173  3    3 env SL~1 MAX Cent 5197533.7 -298416.8  784187.6 5198644.6 -308783.0 -0.81
      4308 5197533.7 -475779.4  784187.6 5198594.9 -485294.3 -0.77
      5132 5197533.7 -86095.6  784187.6 5198699.1 -86237.9 -0.85
      5133 5197533.7 -86095.6  784187.6 5198699.1 -86237.9 -0.85
      4208 5197533.7 -475779.4  784187.6 5198594.9 -485294.3 -0.77
MIN Cent -1232806.8 -513364.7 -78659.4 -437512.0 -1330747.5  72.84
      4308 -1232806.8 -739071.6 -78659.4 -637702.5 -1360254.8  67.57
      5132 -1232806.8 -287657.7 -78659.4 -228544.6 -1311216.4  76.83
      5133 -1232806.8 -287657.7 -78659.4 -228544.6 -1311216.4  76.83
      4208 -1232806.8 -739071.6 -78659.4 -637702.5 -1360254.8  67.57

```

```

NODE      Mxx      Myy      Mxy      Mmax      Mmin  ANGLE
-----
MAX Cent  10780.0  53900.1  -874.6  54292.5  10387.7  -84.58
  4308  9626.4  48131.8  -678.8  48511.4  9246.8  -84.36
  5132  8421.8  42109.2  -678.8  42541.8  7989.2  -83.58
  5133  11933.6  59667.9  -1076.7  60074.0  11527.4  -84.75
  4208  13138.3  65691.6  -1076.7  66061.1  12768.9  -85.22
MIN Cent  4775.8  23879.0  -4131.9  24567.2  4087.6  -79.44
  4308  4613.1  23065.5  -3854.2  23693.0  3985.6  -79.72
  5132  3596.4  17982.0  -3854.2  18771.1  2807.4  -77.15
  5133  4986.9  24934.6  -4421.8  25031.0  4272.0  -86.03
  4208  5855.2  29275.9  -4421.8  29358.2  5249.7  -86.61

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	-3214.8
4308	0.0	-3764.3
5132	0.0	-2665.3
5133	-0.0	-2665.3
4208	-0.0	-3764.3
MIN Cent	-0.0	-30318.1
4308	-0.0	-30319.1
5132	-0.0	-30317.1
5133	-0.0	-30317.1
4208	-0.0	-30319.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2174	3	3	env SL~1	MAX Cent	5196330.9	-299286.6	686957.1	5198168.4	-306342.3	-1.04
				4208	5196330.9	-491686.0	686957.1	5198082.3	-498115.8	-0.99
				5133	5196330.9	-77590.3	686957.1	5198263.3	-78110.0	-1.10
				5134	5196330.9	-77590.3	686957.1	5198263.3	-78110.0	-1.10
				4108	5196330.9	-491686.0	686957.1	5198082.3	-498115.8	-0.99
				MIN Cent	-1228156.1	-490111.3	-100991.9	-432186.6	-1303606.2	74.90
				4208	-1228156.1	-721682.4	-100991.9	-642902.3	-1328762.9	69.85
				5133	-1228156.1	-258540.2	-100991.9	-213117.0	-1287622.3	78.06
				5134	-1228156.1	-258540.2	-100991.9	-213117.0	-1287622.3	78.06
				4108	-1228156.1	-721682.4	-100991.9	-642902.3	-1328762.9	69.85

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	14497.2	72485.8	-1760.3	73003.3	13979.7	-84.63
4208	13795.8	68979.2	-1437.0	69428.8	13346.2	-84.86
5133	11893.1	59465.3	-1437.0	59985.5	11372.9	-84.06
5134	14984.9	74924.6	-2103.3	75523.3	14386.3	-84.32
4108	17314.8	86574.1	-2103.3	87093.5	16795.4	-85.07
MIN Cent	5423.0	27114.8	-5502.2	27307.2	5174.3	-84.64
4208	6089.7	30448.5	-5001.5	30570.1	5776.2	-85.97
5133	4945.8	24729.2	-5001.5	24878.6	4090.6	-85.05
5134	4503.4	22517.1	-6020.1	22830.9	4189.7	-82.55
4108	6152.9	30764.4	-6020.1	30995.9	5921.4	-84.49

NODE	Vxx	Vyy

MAX Cent	-0.0	1664.0
4208	-0.0	-545.5
5133	-0.0	3893.9
5134	0.0	3893.9
4108	0.0	-545.5
MIN Cent	-0.0	-28536.0

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

4208 -0.0 -30379.8
5133 -0.0 -26692.3
5134 -0.0 -26692.3
4108 -0.0 -30379.8

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2175 3 3 env SL~1 MAX Cent 5197225.1 -289732.3 549858.1 5200626.1 -293391.6 -1.42
4108 5197225.1 -489312.7 549858.1 5200466.0 -492634.2 -1.35
5134 5197225.1 -62344.3 549858.1 5200802.8 -71905.7 -1.49
5135 5197225.1 -62344.3 549858.1 5200802.8 -71905.7 -1.49
4008 5197225.1 -489312.7 549858.1 5200466.0 -492634.2 -1.35
MIN Cent -1221096.1 -454811.5 -137371.7 -416029.1 -1271495.5 77.62
4108 -1221096.1 -687514.3 -137371.7 -634305.4 -1289739.9 73.24
5134 -1221096.1 -222108.8 -137371.7 -191775.7 -1260289.8 80.26
5135 -1221096.1 -222108.8 -137371.7 -191775.7 -1260289.8 80.26
4008 -1221096.1 -687514.3 -137371.7 -634305.4 -1289739.9 73.24

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 17728.0 88640.0 -3173.9 89478.9 16889.0 -83.83
4108 18259.0 91294.9 -2466.3 91907.7 17646.2 -84.79
5134 14838.7 74193.7 -2466.3 74944.6 14087.9 -83.62
5135 16112.7 80563.7 -3957.1 81766.4 14910.0 -82.29
4008 21701.5 108507.5 -3957.1 109407.8 20801.2 -84.21
MIN Cent 4646.5 23232.6 -7758.6 23858.7 4020.4 -79.77
4108 6584.0 32920.1 -6718.0 33200.0 6304.1 -84.15
5134 4360.0 21799.9 -6718.0 22217.1 3900.6 -81.31
5135 1693.7 8468.5 -8886.2 10546.1 -383.9 -64.15
4008 5948.4 29742.0 -8886.2 30491.4 5199.0 -80.09

NODE Vxx Vyy

MAX Cent -0.0 15174.6
4108 -0.0 6553.4
5134 -0.0 23795.7
5135 0.0 23795.7
4008 0.0 6553.4
MIN Cent -0.0 -20359.0
4108 -0.0 -29719.5
5134 -0.0 -10998.5
5135 -0.0 -10998.5
4008 -0.0 -29719.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2176 3 3 env SL~1 MAX Cent 5201023.2 -267140.1 354329.2 5207864.6 -267846.6 -2.01

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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4008 5201023.2 -464722.3 354329.2 5207553.3 -465363.4 -1.92
5135 5201023.2 -16318.1 354329.2 5208207.0 -64155.8 -2.11
5136 5201023.2 -16318.1 354329.2 5208207.0 -64155.8 -2.11
3008 5201023.2 -464722.3 354329.2 5207553.3 -465363.4 -1.92
MIN Cent -1211291.5 -405788.2 -194837.7 -386210.2 -1235414.8 81.24
4008 -1211291.5 -651984.8 -194837.7 -605647.3 -1244837.6 78.15
5135 -1211291.5 -179257.6 -194837.7 -163836.1 -1229710.4 83.08
5136 -1211291.5 -179257.6 -194837.7 -163836.1 -1229710.4 83.08
3008 -1211291.5 -651984.8 -194837.7 -605647.3 -1244837.6 78.15

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 18297.9 91489.4 -6213.3 93496.3 16291.0 -80.72
4008 23257.8 116289.1 -4232.1 117268.1 22278.9 -84.17
5135 15601.4 78007.2 -4232.1 79448.6 14160.0 -81.46
5136 9105.4 45526.9 -8472.2 51111.2 3521.1 -69.97
3008 25226.9 126134.3 -8472.2 128407.7 22953.4 -81.56
MIN Cent 833.3 4166.5 -12284.7 9151.6 -4172.7 -52.26
4008 6843.6 34218.0 -9593.2 34944.0 6117.6 -80.87
5135 1195.1 5975.6 -9593.2 8695.7 -1524.9 -58.94
5136 -8969.1 -44845.4 -15315.8 -6920.2 -46894.2 -13.08
3008 3958.3 19791.5 -15315.8 23722.9 26.9 -65.96

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NODE Vxx Vyy
-----
MAX Cent 0.0 57646.5
4008 0.0 25971.3
5135 0.0 89321.6
5136 0.0 89321.6
3008 0.0 25971.3
MIN Cent -0.0 19541.1
4008 -0.0 -16998.8
5135 -0.0 56081.0
5136 -0.0 56081.0
3008 -0.0 -16998.8

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2178 3 3 env SL~1 MAX Cent 4050934.4 329307.3 625267.4 5605844.3 -346652.6 -28.51
5110 2769519.5 1840926.5 625267.4 5204638.8 10377.8 -40.41
5138 2769519.5 -283975.8 625267.4 4273763.4 -904305.2 -27.75
5142 5332711.6 -283975.8 625267.4 6415175.8 -797288.5 -20.69
5109 5332711.6 1840926.5 625267.4 6941208.7 288316.2 -29.31
MIN Cent -905372.9 -253539.8 -2867675.5 118158.3 -1279464.7 58.98
5110 -630241.0 -205241.9 -2867675.5 235483.3 -1071057.3 54.46
5138 -630241.0 -1199788.1 -2867675.5 167607.1 -2702333.6 52.22
5142 -1180841.8 -1199788.1 -2867675.5 9322.6 -2279151.3 62.59
5109 -1180841.8 -205241.9 -2867675.5 93751.9 -1482691.3 64.14

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-10950.8	-62889.5	240349.9	13210.5	-66839.2	25.67
5110	-39925.1	377787.9	217791.7	443607.4	-144756.0	73.04
5138	441654.2	384424.2	194789.1	606256.0	217883.2	40.26
5142	23657.8	118289.2	148429.7	118313.3	23635.6	89.09
5109	43384.0	216919.8	171432.3	217349.5	42954.3	87.15
MIN Cent	-106364.8	-562970.0	13915.0	-8327.7	-666164.3	14.20
5110	-267163.2	-151438.6	24240.7	-38475.7	-334156.0	13.89
5138	-69670.0	-448640.9	18059.0	-68774.3	-449821.9	2.84
5142	-386801.2	-1934005.9	923.6	-372690.4	-1948116.7	5.43
5109	-212622.0	-1063110.0	7105.3	-179797.9	-1095961.7	10.86

NODE	Vxx	Vyy

MAX Cent	-5502.4	3227187.9
5110	-11004.9	2603859.4
5138	-11004.9	3850516.4
5142	-0.0	3850516.4
5109	-0.0	2603859.4
MIN Cent	-143843.4	-795374.5
5110	-287686.9	-624234.3
5138	-287686.9	-966514.6
5142	-0.0	-966514.6
5109	-0.0	-624234.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2179	3	3	env SL~1	MAX Cent	5379163.1	561564.8	1163169.9	5644448.2	322764.3	12.88
				5109	5379163.1	2544366.3	1163169.9	5794691.0	2163280.0	19.69
				5142	5379163.1	-207307.7	1163169.9	5571736.0	-784908.7	9.43
				5146	5379163.1	-207307.7	1163169.9	5571736.0	-784908.7	9.43
				5108	5379163.1	2544366.3	1163169.9	5794691.0	2163280.0	19.69
				MIN Cent	-1191794.2	-308302.0	238368.1	-242545.5	-1284152.2	75.52
				5109	-1191794.2	-389020.9	238368.1	-323434.8	-1291784.8	74.62
				5142	-1191794.2	-1442246.5	238368.1	-166887.9	-1624945.2	76.55
				5146	-1191794.2	-1442246.5	238368.1	-166887.9	-1624945.2	76.55
				5108	-1191794.2	-389020.9	238368.1	-323434.8	-1291784.8	74.62

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	23018.1	115090.5	35229.9	115368.6	22740.1	86.86
5109	42691.4	213457.2	59107.1	213933.0	42215.6	86.98
5142	22573.8	112868.8	59107.1	113646.3	21796.3	84.72
5146	10437.4	52187.2	14952.7	52320.3	10304.3	86.77
5108	16967.5	84837.3	14952.7	84953.0	16851.8	87.64
MIN Cent	-199266.5	-996332.3	5067.4	-197712.4	-997886.4	2.53
5109	-233259.0	-1166295.0	8272.8	-229623.7	-1169930.2	3.56

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5142 -378492.9 -1892464.3 8272.8 -376188.8 -1894768.4 2.23
 5146 -117869.5 -589347.7 2361.3 -117395.8 -589821.5 1.81
 5108 -67969.5 -339847.7 2361.3 -67197.4 -340619.9 3.05

NODE Vxx Vyy

 MAX Cent -0.0 163424.2

5109 0.0 222077.4
 5142 0.0 109048.0
 5146 0.0 109048.0
 5108 0.0 222077.4

MIN Cent -0.0 -1837428.5

5109 -0.0 -1426959.2
 5142 -0.0 -2249985.4
 5146 -0.0 -2249985.4
 5108 -0.0 -1426959.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

 2180 3 3 env SL~1 MAX Cent 5345105.3 391275.8 1210236.5 5546321.1 213727.6 11.20

5108 5345105.3 1743855.1 1210236.5 5613781.4 1505216.4 14.79
 5146 5345105.3 -254866.2 1210236.5 5505192.6 -627297.7 8.96
 5150 5345105.3 -254866.2 1210236.5 5505192.6 -627297.7 8.96
 5107 5345105.3 1743855.1 1210236.5 5613781.4 1505216.4 14.79

MIN Cent -1190201.3 -300337.5 310232.5 -196527.1 -1327318.1 72.36

5108 -1190201.3 -321883.6 310232.5 -221933.4 -1330515.5 72.19
 5146 -1190201.3 -985341.4 310232.5 -173851.7 -1324245.9 72.73
 5150 -1190201.3 -985341.4 310232.5 -173851.7 -1324245.9 72.73
 5107 -1190201.3 -321883.6 310232.5 -221933.4 -1330515.5 72.19

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent 8949.1 44745.3 10029.5 44840.3 8854.1 87.05

5108 16575.8 82878.9 17536.9 83047.0 16444.5 87.12
 5146 10289.2 51446.0 17536.9 51646.4 10088.9 86.02
 5150 3377.6 16888.0 3697.9 16957.1 3308.5 85.92
 5107 5560.1 27800.6 3697.9 27842.7 5518.0 87.51

MIN Cent -60769.8 -303849.0 1846.5 -60357.3 -304261.5 2.36

5108 -71007.8 -355039.1 2878.5 -69985.2 -356085.5 3.43
 5146 -116873.7 -584368.3 2878.5 -116216.7 -585025.3 2.15
 5150 -35453.3 -177266.7 -90.2 -35359.9 -177360.2 1.47
 5107 -19783.8 -98918.9 -90.2 -19624.2 -99078.5 2.57

NODE Vxx Vyy

 MAX Cent 0.0 77598.5

5108 0.0 95949.6
 5146 0.0 59832.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5150 -0.0 59832.1
5107 -0.0 95949.6
MIN Cent 0.0 -572922.5
5108 -0.0 -443356.9
5146 -0.0 -702909.2
5150 -0.0 -702909.2
5107 -0.0 -443356.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2181	3	3	env SL~1	MAX Cent	5320481.9	268158.5	1227556.6	5476590.5	132854.5	9.86
				5107	5320481.9	1211512.1	1227556.6	5510080.7	1046735.5	11.90
				5150	5320481.9	-279976.8	1227556.6	5452883.8	-517106.0	8.39
				5154	5320481.9	-279976.8	1227556.6	5452883.8	-517106.0	8.39
				5106	5320481.9	1211512.1	1227556.6	5510080.7	1046735.5	11.90
				MIN Cent	-1187933.4	-288998.0	329503.4	-174873.3	-1337109.2	71.74
				5107	-1187933.4	-273680.4	329503.4	-164711.1	-1335861.4	72.11
				5150	-1187933.4	-699410.2	329503.4	-185181.2	-1338375.3	71.56
				5154	-1187933.4	-699410.2	329503.4	-185181.2	-1338375.3	71.56
				5106	-1187933.4	-273680.4	329503.4	-164711.1	-1335861.4	72.11

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	1984.9	9924.5	2062.8	9989.1	1920.4	84.87
5107	5433.7	27168.4	4445.2	27222.1	5380.0	87.16
5150	3334.5	16672.6	4445.2	16759.8	3247.3	85.39
5154	-876.1	-4380.4	1236.7	-831.1	-4425.4	6.43
5106	986.1	4930.3	1236.7	5522.9	393.4	-70.13
MIN Cent	-18457.4	-92287.2	-544.4	-18403.9	-92340.8	1.54
5107	-20577.9	-102889.5	766.3	-20353.8	-103113.6	2.98
5150	-35200.4	-176001.9	766.3	-35063.6	-176138.7	1.78
5154	-11555.7	-57778.5	-1639.7	-11555.6	-57778.5	-0.06
5106	-6543.5	-32717.6	-1639.7	-6543.5	-32717.7	0.08

NODE	Vxx	Vyy
MAX Cent	-0.0	41601.5
5107	-0.0	46709.0
5150	-0.0	36494.0
5154	0.0	36494.0
5106	0.0	46709.0
MIN Cent	-0.0	-162851.6
5107	-0.0	-121495.5
5150	-0.0	-204270.2
5154	-0.0	-204270.2
5106	-0.0	-121495.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2182	3	3	env SL~1	MAX Cent	5302316.9	177333.8	1199102.0	5421207.8	76145.9	8.61
				5106	5302316.9	851217.1	1199102.0	5438535.1	735110.4	9.82
				5154	5302316.9	-286667.0	1199102.0	5407687.7	-433151.5	7.65
				5158	5302316.9	-286667.0	1199102.0	5407687.7	-433151.5	7.65
				5105	5302316.9	851217.1	1199102.0	5438535.1	735110.4	9.82
				MIN Cent	-1185085.8	-274759.6	314666.1	-170733.1	-1322647.7	72.57
				5106	-1185085.8	-235048.5	314666.1	-137948.5	-1318675.8	73.08
				5154	-1185085.8	-520540.1	314666.1	-203328.4	-1326830.7	72.03
				5158	-1185085.8	-520540.1	314666.1	-203328.4	-1326830.7	72.03
				5105	-1185085.8	-235048.5	314666.1	-137948.5	-1318675.8	73.08
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	-1528.6	-7642.8	947.1	-1032.3	-8139.1	-15.32
				5106	1175.9	5879.4	1129.1	6250.6	804.7	-74.87
				5154	-889.5	-4447.7	1129.1	-862.0	-4475.2	5.01
				5158	-3313.3	-16566.7	771.3	-2963.7	-16916.3	-9.11
				5105	-2441.7	-12208.7	771.3	-1976.9	-12673.5	-12.03
				MIN Cent	-7068.5	-35342.4	-1811.3	-7053.6	-35357.2	-1.31
				5106	-6627.0	-33134.9	-1372.4	-6626.0	-33135.9	0.35
				5154	-11523.9	-57619.6	-1372.4	-11523.8	-57619.7	0.09
				5158	-5947.6	-29738.2	-2180.9	-5872.3	-29813.6	-3.22
				5105	-4180.3	-20901.7	-2180.9	-4073.5	-21008.6	-4.56
				NODE	Vxx	Vyy				
				MAX Cent	-0.0	24427.9				
				5106	0.0	31231.2				
				5154	0.0	23306.5				
				5158	0.0	23306.5				
				5105	0.0	31231.2				
				MIN Cent	-0.0	-35205.5				
				5106	-0.0	-21463.1				
				5154	-0.0	-48947.9				
				5158	0.0	-48947.9				
				5105	0.0	-21463.1				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2183	3	3	env SL~1	MAX Cent	5288703.6	109267.0	1134581.7	5376141.9	36288.2	7.39
				5105	5288703.6	603418.7	1134581.7	5385231.9	522901.8	8.14
				5158	5288703.6	-247363.5	1134581.7	5368575.0	-365745.1	6.77
				5162	5288703.6	-247363.5	1134581.7	5368575.0	-365745.1	6.77
				5104	5288703.6	603418.7	1134581.7	5385231.9	522901.8	8.14
				MIN Cent	-1181739.8	-258029.9	278048.7	-175541.3	-1293750.8	74.41
				5105	-1181739.8	-201142.1	278048.7	-126085.7	-1288781.5	75.10

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5158 -1181739.8 -408719.7 278048.7 -224647.1 -1299145.4 73.65
 5162 -1181739.8 -408719.7 278048.7 -224647.1 -1299145.4 73.65
 5104 -1181739.8 -201142.1 278048.7 -126085.7 -1288781.5 75.10

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -3796.7 -18983.3 410.3 -3549.0 -19230.9 -7.22

5105 -2131.4 -10656.8 553.2 -1583.2 -11205.0 -13.81
 5158 -3387.0 -16935.0 553.2 -3029.3 -17292.7 -9.11
 5162 -4461.9 -22309.3 265.4 -4213.5 -22557.7 -6.68
 5104 -4005.0 -20024.8 265.4 -3729.1 -20300.7 -7.41

MIN Cent -5116.1 -25580.4 -2567.5 -4959.0 -25737.5 -4.99

5105 -4001.7 -20008.5 -2235.4 -3869.4 -20140.8 -5.17
 5158 -5984.7 -29923.5 -2235.4 -5895.8 -30012.4 -3.48
 5162 -6873.8 -34369.2 -2851.2 -6621.7 -34621.4 -5.45
 5104 -6291.2 -31456.1 -2851.2 -6016.2 -31731.1 -5.94

NODE Vxx Vyy

MAX Cent 0.0 33007.3

5105 0.0 35912.3
 5158 0.0 30102.3
 5162 0.0 30102.3
 5104 0.0 35912.3

MIN Cent 0.0 1655.0

5105 0.0 6896.2
 5158 0.0 -3608.2
 5162 -0.0 -3608.2
 5104 -0.0 6896.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2184 3 3 env SL~1 MAX Cent 5278338.8 57443.1 1040451.2 5339565.9 7449.9 6.21

5104 5278338.8 429889.8 1040451.2 5344304.3 376136.7 6.67
 5162 5278338.8 -220966.7 1040451.2 5335444.7 -310036.8 5.80
 5166 5278338.8 -220966.7 1040451.2 5335444.7 -310036.8 5.80
 5103 5278338.8 429889.8 1040451.2 5344304.3 376136.7 6.67

MIN Cent -1177970.9 -239185.4 227466.3 -182345.6 -1258273.4 77.03

5104 -1177970.9 -169239.3 227466.3 -119396.5 -1253647.9 77.78
 5162 -1177970.9 -338808.0 227466.3 -246619.0 -1263438.3 75.48
 5166 -1177970.9 -338808.0 227466.3 -246619.0 -1263438.3 75.48
 5103 -1177970.9 -169239.3 227466.3 -119396.5 -1253647.9 77.78

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -4647.0 -23235.2 -175.1 -4321.8 -23560.5 -7.47

5104 -3692.4 -18461.8 -20.5 -3333.0 -18821.2 -8.76
 5162 -4533.0 -22665.2 -20.5 -4238.0 -22960.2 -7.21

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5166 -5383.1 -26915.3 -332.7 -5070.6 -27227.7 -6.82
5103 -4979.7 -24898.6 -332.7 -4642.8 -25235.5 -7.35
MIN Cent -8423.2 -42116.0 -3283.2 -8137.9 -42401.3 -5.24
5104 -5894.5 -29472.7 -3072.1 -5541.4 -29825.9 -6.93
5162 -6963.9 -34819.3 -3072.1 -6663.7 -35119.5 -5.90
5166 -10764.9 -53824.3 -3468.1 -10512.6 -54076.5 -4.36
5103 -10069.5 -50347.6 -3468.1 -9800.1 -50617.1 -4.66

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 34428.7
5104 0.0 36043.0
5162 0.0 32814.3
5166 -0.0 32814.3
5103 -0.0 36043.0
MIN Cent 0.0 9226.1
5104 0.0 9517.7
5162 0.0 7338.3
5166 -0.0 7338.3
5103 -0.0 9517.7

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2185 3 3 env SL~1 MAX Cent 5270287.5 17186.7 919006.0 5310119.4 -14527.6 5.03
5103 5270287.5 305610.2 919006.0 5312505.0 271987.7 5.32
5166 5270287.5 -202316.2 919006.0 5307980.4 -263398.6 4.77
5170 5270287.5 -202316.2 919006.0 5307980.4 -263398.6 4.77
5102 5270287.5 305610.2 919006.0 5312505.0 271987.7 5.32
MIN Cent -1173850.6 -218584.0 167533.7 -186825.2 -1222249.8 79.83
5103 -1173850.6 -137858.0 167533.7 -111222.4 -1218853.5 81.00
5166 -1173850.6 -299422.8 167533.7 -264934.8 -1226149.2 78.98
5170 -1173850.6 -299422.8 167533.7 -264934.8 -1226149.2 78.98
5102 -1173850.6 -137858.0 167533.7 -111222.4 -1218853.5 81.00

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -5599.1 -27995.5 -862.1 -5195.4 -28399.3 -7.58
5103 -4593.5 -22967.5 -663.6 -4155.8 -23405.1 -8.67
5166 -5469.6 -27347.9 -663.6 -5099.5 -27718.0 -7.35
5170 -6429.0 -32145.0 -1065.8 -6040.3 -32533.7 -6.96
5102 -5904.3 -29521.7 -1065.8 -5482.2 -29943.9 -7.55
MIN Cent -12297.0 -61484.9 -4005.4 -11973.0 -61809.0 -4.62
5103 -9566.6 -47832.9 -3766.0 -9204.4 -48195.0 -5.53
5166 -10877.0 -54385.1 -3766.0 -10557.8 -54704.3 -4.88
5170 -14864.6 -74323.1 -4258.3 -14561.2 -74626.5 -4.08
5102 -13879.7 -69398.7 -4258.3 -13555.0 -69723.4 -4.36

```

```

NODE Vxx Vyy

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  0.0 35830.6
  5103 -0.0 37235.9
  5166 -0.0 34425.4
  5170  0.0 34425.4
  5102  0.0 37235.9
MIN Cent  -0.0 8391.9
  5103 -0.0 8054.9
  5166 -0.0 8282.8
  5170 -0.0 8282.8
  5102 -0.0 8054.9

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

2186 3 3 env SL~1 MAX Cent 5263843.6 -15032.8 768145.6 5286721.3 -32716.7 3.79
  5102 5263843.6 213845.2 768145.6 5287767.9 194859.7 3.96
  5170 5263843.6 -188336.6 768145.6 5285760.9 -224491.1 3.63
  5174 5263843.6 -188336.6 768145.6 5285760.9 -224491.1 3.63
  5101 5263843.6 213845.2 768145.6 5287767.9 194859.7 3.96
MIN Cent -1169452.0 -196590.9 100254.4 -185292.0 -1190564.1 83.88
  5102 -1169452.0 -106365.6 100254.4 -96987.3 -1188780.4 84.66
  5170 -1169452.0 -287467.7 100254.4 -275035.1 -1192668.6 83.28
  5174 -1169452.0 -287467.7 100254.4 -275035.1 -1192668.6 83.28
  5101 -1169452.0 -106365.6 100254.4 -96987.3 -1188780.4 84.66

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

MAX Cent -6652.0 -33259.9 -1736.2 -6144.7 -33767.2 -7.79
  5102 -5434.8 -27174.0 -1427.4 -4892.9 -27715.9 -8.86
  5170 -6531.8 -32658.8 -1427.4 -6077.5 -33113.0 -7.45
  5174 -7797.2 -38985.8 -2062.4 -7307.8 -39475.2 -7.09
  5101 -6844.2 -34221.0 -2062.4 -6289.2 -34776.1 -8.02
MIN Cent -16351.3 -81756.7 -5229.5 -15935.9 -82172.2 -4.54
  5102 -13231.8 -66158.8 -4852.1 -12790.6 -66599.9 -5.19
  5170 -15006.8 -75034.1 -4852.1 -14617.1 -75423.8 -4.59
  5174 -19347.4 -96736.9 -5597.5 -18944.6 -97139.6 -4.12
  5101 -17819.5 -89097.3 -5597.5 -17382.6 -89534.2 -4.46

```

```

NODE Vxx Vyy

```

```

-----
MAX Cent  0.0 38539.2
  5102  0.0 39606.0
  5170  0.0 37472.4
  5174  0.0 37472.4
  5101  0.0 39606.0
MIN Cent  0.0 9965.6
  5102 -0.0 8300.5
  5170 -0.0 10924.4
  5174  0.0 10924.4

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5101 0.0 8300.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2187 3 3 env SL~1 MAX Cent 5258436.4 -42069.0 580624.3 5268949.5 -49614.6 2.59

5101 5258436.4 142726.8 580624.3 5269339.0 134819.4 2.68
 5174 5258436.4 -177302.7 580624.3 5268586.1 -193151.1 2.50
 5178 5258436.4 -177302.7 580624.3 5268586.1 -193151.1 2.50
 5100 5258436.4 142726.8 580624.3 5269339.0 134819.4 2.68
 MIN Cent -1164857.6 -173619.0 25472.7 -172904.9 -1167785.1 88.46
 5101 -1164857.6 -74079.7 25472.7 -73484.8 -1167383.2 88.66
 5174 -1164857.6 -274542.2 25472.7 -273747.3 -1168271.2 88.29
 5178 -1164857.6 -274542.2 25472.7 -273747.3 -1168271.2 88.29
 5100 -1164857.6 -74079.7 25472.7 -73484.8 -1167383.2 88.66

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -7965.9 -39829.5 -3050.2 -7293.9 -40501.5 -8.18
 5101 -6266.3 -31331.4 -2435.1 -5566.6 -32031.1 -9.36
 5174 -7917.2 -39585.9 -2435.1 -7357.8 -40145.2 -7.50
 5178 -9971.6 -49857.9 -3728.9 -9322.6 -50506.8 -7.21
 5100 -7708.6 -38542.9 -3728.9 -6877.8 -39373.7 -9.20
 MIN Cent -20468.6 -102343.0 -6944.6 -19883.7 -102927.9 -4.81
 5101 -16972.6 -84862.8 -6347.8 -16384.1 -85451.2 -5.30
 5174 -19527.2 -97635.9 -6347.8 -19014.7 -98148.4 -4.62
 5178 -24072.6 -120363.0 -7549.5 -23484.3 -120951.3 -4.46
 5100 -21302.1 -106510.5 -7549.5 -20638.4 -107174.2 -5.02

NODE Vxx Vyy

MAX Cent 0.0 38309.2
 5101 0.0 37377.4
 5174 0.0 39241.0
 5178 0.0 39241.0
 5100 0.0 37377.4
 MIN Cent 0.0 15093.6
 5101 0.0 8746.2
 5174 0.0 17735.8
 5178 0.0 17735.8
 5100 0.0 8746.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2188 3 3 env SL~1 MAX Cent 5253557.9 -66461.3 342410.4 5255841.9 -67863.0 1.27

5100 5253557.9 82894.9 342410.4 5255916.6 81606.6 1.31
 5178 5253557.9 -168429.8 342410.4 5255771.3 -171018.8 1.24
 5182 5253557.9 -168429.8 342410.4 5255771.3 -171018.8 1.24

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5099 5253557.9 82894.9 342410.4 5255916.6 81606.6 1.31
MIN Cent -1160169.3 -150177.3 -61686.0 -146423.7 -1163922.9 -86.52
5100 -1160169.3 -41030.1 -61686.0 -39009.3 -1163552.0 -88.75
5178 -1160169.3 -261691.0 -61686.0 -257475.7 -1164384.6 -86.09
5182 -1160169.3 -261691.0 -61686.0 -257475.7 -1164384.6 -86.09
5099 -1160169.3 -41030.1 -61686.0 -39009.3 -1163552.0 -88.75

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -9669.4 -48347.1 -5538.5 -8630.3 -49386.2 -9.19
5100 -6959.2 -34795.8 -4046.1 -5941.6 -35813.3 -10.64
5178 -10109.1 -50545.5 -4046.1 -9395.6 -51259.0 -7.50
5182 -13947.1 -69735.6 -7185.7 -12944.0 -70738.7 -7.57
5099 -7662.3 -38311.6 -7185.7 -5563.3 -40069.5 -15.13
MIN Cent -23260.3 -116301.3 -9561.6 -22287.8 -117273.8 -5.81
5100 -20170.4 -100851.8 -8441.5 -19296.6 -101725.6 -5.91
5178 -24294.9 -121474.5 -8441.5 -23567.1 -122202.4 -4.93
5182 -27356.8 -136784.1 -10757.4 -26309.3 -137831.5 -5.56
5099 -21219.0 -106094.9 -10757.4 -19876.8 -107437.1 -7.11

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 32178.4
5100 0.0 9052.7
5178 0.0 58663.3
5182 0.0 58663.3
5099 0.0 9052.7
MIN Cent -0.0 17743.2
5100 0.0 -1322.5
5178 0.0 26433.7
5182 -0.0 26433.7
5099 -0.0 -1322.5

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2189 3 3 env SL~1 MAX Cent 5208731.8 -227986.8 75281.8 5223556.1 -228702.9 -2.97
3008 5208731.8 -410044.2 75281.8 5222938.7 -410697.9 -2.85
5136 5208731.8 35882.4 75281.8 5224229.4 33030.5 -3.10
5137 5208731.8 35882.4 75281.8 5224229.4 33030.5 -3.10
1008 5208731.8 -410044.2 75281.8 5222938.7 -410697.9 -2.85
MIN Cent -1198199.0 -340325.8 -293389.1 -336627.2 -1201965.9 86.25
3008 -1198199.0 -563509.6 -293389.1 -543854.4 -1203418.4 85.07
5136 -1198199.0 -131927.3 -293389.1 -128947.1 -1201179.2 86.98
5137 -1198199.0 -131927.3 -293389.1 -128947.1 -1201179.2 86.98
1008 -1198199.0 -563509.6 -293389.1 -543854.4 -1203418.4 85.07

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent  8029.5  40147.7 -14645.4  52748.8 -4571.5  -62.04
  3008  28410.1  142050.3 -8318.3  144156.2  26304.2  -82.32
  5136  7328.7  36643.3 -8318.3  43400.5  571.4  -66.60
  5137 -27570.5 -137852.4 -21959.4 -18406.2 -147016.7 -15.48
  1008  23950.0  119749.8 -21959.4  130065.3  13634.5  -72.68
MIN Cent -13440.1 -67200.5 -23738.3 -9395.7 -71244.9 -14.82
  3008  6186.4  30931.9 -15612.3  33633.9  3484.4  -72.58
  5136 -10701.3 -53506.3 -15612.3 -9033.6 -55173.9 -10.96
  5137 -46100.1 -230500.4 -33085.2 -43271.2 -233329.3 -7.01
  1008 -3207.8 -16038.8 -33085.2  13254.1 -33294.5 -36.86

```

NODE Vxx Vyy

```

-----
MAX Cent  0.0 193081.8
  3008  0.0 81691.2
  5136  0.0 305601.4
  5137  0.0 305601.4
  1008  0.0 81691.2
MIN Cent -0.0 123185.2
  3008 -0.0 -21486.9
  5136 -0.0 222916.8
  5137 -0.0 222916.8
  1008 -0.0 -21486.9

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
2190 3 3 env SL~1 MAX Cent 5248690.4 -85068.6 30274.8 5249049.6 -86836.4 -0.47
  5099 5248690.4 25989.1 30274.8 5249057.3 25403.8 -0.48
  5182 5248690.4 -161723.8 30274.8 5249042.2 -163419.2 -0.46
  5186 5248690.4 -161723.8 30274.8 5249042.2 -163419.2 -0.46
  5124 5248690.4 25989.1 30274.8 5249057.3 25403.8 -0.48
MIN Cent -1155517.9 -126920.5 -165787.5 -101210.1 -1181452.2 -81.54
  5099 -1155517.9 -9040.1 -165787.5 6756.4 -1178796.2 -83.35
  5182 -1155517.9 -249893.6 -165787.5 -220640.1 -1184771.5 -79.97
  5186 -1155517.9 -249893.6 -165787.5 -220640.1 -1184771.5 -79.97
  5124 -1155517.9 -9040.1 -165787.5 6756.4 -1178796.2 -83.35

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent -11465.8 -57328.8 -10441.1 -8481.8 -59594.0 -14.59
  5099 -6563.9 -32819.7 -7248.0 -3654.6 -34904.6 -17.79
  5182 -14101.0 -70505.0 -7248.0 -13072.2 -71533.9 -7.62
  5186 -21968.3 -109841.7 -13616.6 -19057.9 -111903.3 -10.53
  5124 439.8 2199.1 -13616.6 19123.8 -16280.4 -45.90
MIN Cent -18917.9 -94589.6 -14269.4 -16316.6 -97191.0 -10.33
  5099 -19627.9 -98139.3 -11707.5 -17919.2 -99847.9 -8.30
  5182 -27617.0 -138084.8 -11707.5 -26389.8 -139311.9 -5.98
  5186 -37035.0 -185175.2 -19083.4 -34983.9 -187226.3 -6.67
  5124 -6183.3 -30916.3 -19083.4 2581.5 -39681.0 -27.09

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	66100.3
5099	0.0	-17685.9
5182	0.0	152041.7
5186	0.0	152041.7
5124	0.0	-17685.9
MIN Cent	0.0	-81228.5
5099	-0.0	-116068.6
5182	-0.0	-46388.4
5186	-0.0	-46388.4
5124	-0.0	-116068.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2191	3	3	env SL~1	MAX Cent	3861185.7	317135.0	2944600.4	5521581.8	-478462.6	29.46
				5125	2392094.3	-250853.1	2944600.4	4049603.9	-961141.0	29.43
				5110	2392094.3	1801311.1	2944600.4	5052088.6	-242815.0	42.17
				5109	5330277.2	1801311.1	2944600.4	6997095.0	134394.8	29.54
				5126	5330277.2	-250853.1	2944600.4	6463140.6	-912340.8	21.08
				MIN Cent	-895810.0	-238250.9	-506794.4	33483.6	-1356516.8	-61.60
				5125	-613836.1	-1190657.8	-506794.4	80424.3	-2847451.8	-54.10
				5110	-613836.1	-202032.0	-506794.4	141001.8	-948513.2	-56.20
				5109	-1177784.0	-202032.0	-506794.4	13919.8	-1391374.1	-66.92
				5126	-1177784.0	-1190657.8	-506794.4	-57828.3	-2322283.7	-65.83

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-18578.7	-103956.1	18086.8	-15222.0	-107312.8	11.01
5125	201478.2	146616.7	7384.9	309454.8	38640.0	-39.16
5110	21890.9	424391.3	-1204.5	459695.0	-35467.7	-75.66
5109	19663.5	98317.4	11815.6	100023.6	17957.4	81.71
5126	23769.5	118847.5	20558.6	122642.3	19974.6	78.92
MIN Cent	-109275.9	-555419.4	-138386.6	-70469.5	-594381.0	-15.76
5125	-143533.9	-494174.0	-133704.6	-143446.0	-494261.9	0.91
5110	-81046.9	-169284.6	-139520.1	20069.5	-169297.2	-0.74
5109	-216117.6	-1080587.8	-92275.1	-206418.1	-1090287.2	-6.01
5126	-338107.9	-1690539.5	-86691.7	-332642.1	-1696005.3	-3.63

NODE	Vxx	Vyy

MAX Cent	73131.8	2861941.7
5125	146263.6	3087375.7
5110	146263.6	2644034.8
5109	0.0	2644034.8
5126	0.0	3087375.7
MIN Cent	-21896.5	-740287.8

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5125 -43792.9 -1018898.7
 5110 -43792.9 -467987.4
 5109 -0.0 -467987.4
 5126 -0.0 -1018898.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2192	3	3	env SL~1	MAX Cent	5415181.6	741657.0	356641.7	5584286.9	583048.4	-10.61
				5126	5415181.6	-224116.8	356641.7	5539033.1	-532006.8	-7.80
				5109	5415181.6	2551663.7	356641.7	5677573.7	2318988.8	-16.17
				5108	5415181.6	2551663.7	356641.7	5677573.7	2318988.8	-16.17
				5127	5415181.6	-224116.8	356641.7	5539033.1	-532006.8	-7.80
				MIN Cent	-1193455.1	-316606.4	-907577.3	-220381.5	-1320193.8	73.03
				5126	-1193455.1	-1087598.0	-907577.3	-151006.8	-1313062.0	74.10
				5109	-1193455.1	-389363.9	-907577.3	-289535.2	-1328117.1	71.60
				5108	-1193455.1	-389363.9	-907577.3	-289535.2	-1328117.1	71.60
				5127	-1193455.1	-1087598.0	-907577.3	-151006.8	-1313062.0	74.10

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	13114.0	65570.0	338.2	65570.1	13114.0	-89.96
5126	20837.0	104185.1	26.7	104186.3	20835.9	-89.79
5109	22455.7	112278.7	26.7	112279.7	22454.6	-89.80
5108	4822.2	24111.1	594.9	24115.3	4818.1	89.16
5127	4385.4	21927.2	594.9	21931.7	4380.9	89.08
MIN Cent	-187498.9	-937494.7	-21487.5	-186899.9	-938093.8	-1.62
5126	-312167.0	-1560834.9	-34520.9	-311230.3	-1561771.6	-1.57
5109	-238981.2	-1194906.2	-34520.9	-237754.4	-1196133.0	-2.05
5108	-85508.5	-427542.4	-10261.5	-85218.9	-427831.9	-1.67
5127	-113413.2	-567065.8	-10261.5	-113194.8	-567284.2	-1.26

NODE Vxx Vyy

MAX Cent	0.0	147321.5
5126	0.0	142298.3
5109	0.0	152344.7
5108	0.0	152344.7
5127	0.0	142298.3
MIN Cent	-0.0	-1520082.7
5126	-0.0	-1718152.7
5109	-0.0	-1324944.7
5108	0.0	-1324944.7
5127	0.0	-1718152.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2193	3	3	env SL~1	MAX Cent	5381234.8	571923.4	610908.8	5422410.8	533565.7	-5.27

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5127 5381234.8 -269550.3 610908.8 5414401.7 -351473.4 -4.25
5108 5381234.8 1751070.0 610908.8 5435435.2 1710866.4 -6.92
5107 5381234.8 1751070.0 610908.8 5435435.2 1710866.4 -6.92
5128 5381234.8 -269550.3 610908.8 5414401.7 -351473.4 -4.25
MIN Cent -1191185.8 -305259.7 -449124.0 -181015.6 -1354934.5 70.92
5127 -1191185.8 -626058.8 -449124.0 -162853.5 -1352707.2 71.23
5108 -1191185.8 -322076.1 -449124.0 -199108.1 -1357215.4 70.60
5107 -1191185.8 -322076.1 -449124.0 -199108.1 -1357215.4 70.60
5128 -1191185.8 -626058.8 -449124.0 -162853.5 -1352707.2 71.23

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 2946.6 14732.9 860.6 14756.4 2923.1 87.45
5127 4158.8 20794.2 723.9 20804.0 4149.0 88.61
5108 4970.4 24852.2 723.9 24860.4 4962.2 88.83
5107 1378.2 6891.2 964.0 7027.3 1301.2 81.18
5128 1303.1 6515.7 964.0 6659.3 1212.9 80.70
MIN Cent -68327.0 -341634.9 -7742.5 -68125.3 -341836.6 -1.56
5127 -109703.8 -548519.1 -11415.6 -109422.7 -548800.2 -1.45
5108 -89127.4 -445636.9 -11415.6 -88781.5 -445982.8 -1.78
5107 -33290.5 -166452.7 -4573.9 -33145.2 -166609.6 -1.83
5128 -41216.6 -206083.0 -4573.9 -41089.8 -206209.8 -1.59

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 28315.2
5127 0.0 25228.5
5108 0.0 31401.9
5107 0.0 31401.9
5128 0.0 25228.5
MIN Cent 0.0 -536781.9
5127 0.0 -591435.9
5108 0.0 -482127.9
5107 0.0 -482127.9
5128 0.0 -591435.9

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2194 3 3 env SL~1 MAX Cent 5354461.6 438057.1 824314.6 5360210.2 432430.8 -1.97
5128 5354461.6 -240875.7 824314.6 5359413.5 -262586.6 -1.70
5107 5354461.6 1218332.5 824314.6 5361305.9 1214347.8 -2.34
5106 5354461.6 1218332.5 824314.6 5361305.9 1214347.8 -2.34
5129 5354461.6 -240875.7 824314.6 5359413.5 -262586.6 -1.70
MIN Cent -1188534.8 -292004.7 -170311.8 -163128.4 -1358821.4 70.69
5128 -1188534.8 -362344.5 -170311.8 -176524.4 -1361021.8 70.46
5107 -1188534.8 -273831.2 -170311.8 -149693.9 -1356668.7 70.93
5106 -1188534.8 -273831.2 -170311.8 -149693.9 -1356668.7 70.93
5129 -1188534.8 -362344.5 -170311.8 -176524.4 -1361021.8 70.46

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	1620.8	8103.9	951.9	8215.8	1508.8	82.58
5128	1237.7	6188.5	931.9	6327.7	1151.5	80.61
5107	1515.2	7575.9	931.9	7690.7	1415.8	82.24
5106	1762.2	8810.9	951.2	8937.0	1655.2	82.45
5129	1979.3	9896.3	951.2	10009.0	1880.0	83.24
MIN Cent	-25515.7	-127578.4	-3937.2	-25364.0	-127730.0	-2.21
5128	-40145.6	-200727.9	-4939.9	-39993.8	-200879.8	-1.76
5107	-34564.6	-172822.8	-4939.9	-34388.3	-172999.1	-2.04
5106	-12583.6	-62917.8	-3070.7	-12396.9	-63104.5	-3.48
5129	-14769.0	-73844.9	-3070.7	-14609.8	-74004.1	-2.97

NODE	Vxx	Vyy

MAX Cent	0.0	-3546.5
5128	0.0	-5457.9
5107	0.0	-1635.1
5106	0.0	-1635.1
5129	0.0	-5457.9
MIN Cent	-0.0	-205261.5
5128	0.0	-220181.1
5107	0.0	-190341.9
5106	-0.0	-190341.9
5129	-0.0	-220181.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2195	3	3	env SL~1	MAX Cent	5333046.0	330979.3	925935.8	5333078.4	330946.9	-0.15
				5129	5333046.0	-180138.5	925935.8	5333075.3	-195433.7	-0.13
				5106	5333046.0	857362.9	925935.8	5333082.2	857326.8	-0.16
				5105	5333046.0	857362.9	925935.8	5333082.2	857326.8	-0.16
				5130	5333046.0	-180138.5	925935.8	5333075.3	-195433.7	-0.13
				MIN Cent	-1185265.4	-275657.9	-14824.0	-159073.4	-1341683.3	71.58
				5129	-1185265.4	-316231.5	-14824.0	-193200.0	-1346577.9	70.99
				5106	-1185265.4	-235084.4	-14824.0	-124718.3	-1337039.9	72.14
				5105	-1185265.4	-235084.4	-14824.0	-124718.3	-1337039.9	72.14
				5130	-1185265.4	-316231.5	-14824.0	-193200.0	-1346577.9	70.99

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	2488.6	12443.1	751.1	12499.4	2432.3	85.71
5129	1960.6	9803.2	802.6	9884.5	1889.6	84.22
5106	1879.6	9397.9	802.6	9482.6	1796.5	83.97
5105	2856.9	14284.3	686.7	14325.5	2815.7	86.57
5130	3257.4	16286.9	686.7	16323.0	3221.3	86.99
MIN Cent	-8769.4	-43846.9	-3043.2	-8507.3	-44109.0	-4.92
5129	-14459.8	-72299.0	-3269.7	-14275.5	-72483.3	-3.23

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5106 -13193.0 -65965.1 -3269.7 -12991.2 -66167.0 -3.53
 5105 -3469.7 -17348.7 -2848.1 -2977.7 -17910.4 -9.89
 5130 -3955.0 -19774.8 -2848.1 -3479.4 -20271.9 -8.81

NODE Vxx Vyy

 MAX Cent 0.0 -9244.4

5129 0.0 -10371.6
 5106 0.0 -8117.2
 5105 0.0 -8117.2
 5130 0.0 -10371.6

MIN Cent -0.0 -87606.2

5129 -0.0 -91193.4
 5106 -0.0 -84019.1
 5105 -0.0 -84019.1
 5130 -0.0 -91193.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

 2196 3 3 env SL~1 MAX Cent 5315826.3 244880.7 948285.1 5318177.6 244167.3 1.44

5130 5315826.3 -119081.9 948285.1 5317962.9 -119747.6 1.34
 5105 5315826.3 608843.3 948285.1 5318425.7 608074.7 1.55
 5104 5315826.3 608843.3 948285.1 5318425.7 608074.7 1.55
 5131 5315826.3 -119081.9 948285.1 5317962.9 -119747.6 1.34

MIN Cent -1181362.6 -256143.7 58826.1 -161179.5 -1312014.3 73.24

5130 -1181362.6 -311220.8 58826.1 -209502.3 -1317900.7 72.46
 5105 -1181362.6 -201066.7 58826.1 -112472.3 -1306559.8 73.97
 5104 -1181362.6 -201066.7 58826.1 -112472.3 -1306559.8 73.97
 5131 -1181362.6 -311220.8 58826.1 -209502.3 -1317900.7 72.46

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent 3584.5 17922.3 359.5 17931.3 3575.4 88.56

5130 3251.6 16257.8 454.5 16273.7 3235.7 88.00
 5105 2928.5 14642.6 454.5 14660.2 2910.9 87.78
 5104 4228.4 21142.1 257.6 21590.0 3827.0 -80.88
 5131 4434.0 22170.2 257.6 22598.3 4322.6 -81.27

MIN Cent -1419.2 -7096.1 -3065.6 -305.9 -8435.5 -21.99

5130 -3866.3 -19331.6 -3053.3 -3312.4 -19912.6 -9.73
 5105 -3918.9 -19594.6 -3053.3 -3349.8 -20168.3 -9.65
 5104 976.8 4883.9 -3077.7 6253.8 -614.1 -63.00
 5131 1050.4 5252.2 -3077.7 6563.5 -522.4 -64.00

NODE Vxx Vyy

 MAX Cent 0.0 -8216.7

5130 0.0 -8743.8
 5105 0.0 -7635.0

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

5104  0.0 -7635.0
5131  0.0 -8743.8
MIN Cent  0.0 -44602.4
5130  -0.0 -44981.8
5105  -0.0 -44222.9
5104  -0.0 -44222.9
5131  -0.0 -44981.8

```

```

ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
2197   3    3 env SL~1 MAX Cent 5302003.0 175764.3 911643.1 5305474.5 174515.0 1.62
      5131 5302003.0 -83094.1 911643.1 5305277.2 -84283.4 1.54
      5104 5302003.0 434622.7 911643.1 5305692.8 433307.0 1.70
      5103 5302003.0 434622.7 911643.1 5305692.8 433307.0 1.70
      5132 5302003.0 -83094.1 911643.1 5305277.2 -84283.4 1.54
MIN Cent -1176763.2 -233146.7 79193.1 -163406.7 -1276071.3 75.52
      5131 -1176763.2 -297295.7 79193.1 -221420.0 -1281592.0 74.68
      5104 -1176763.2 -168997.7 79193.1 -104973.9 -1271050.8 76.28
      5103 -1176763.2 -168997.7 79193.1 -104973.9 -1271050.8 76.28
      5132 -1176763.2 -297295.7 79193.1 -221420.0 -1281592.0 74.68

```

```

      NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent  6158.3 30791.7 -153.2 31202.2 5747.9 -82.70
      5131  4438.5 22192.6 -35.3 22708.7 4322.1 -80.46
      5104  3842.3 19211.7 -35.3 19707.2 3842.3 -79.06
      5103  7941.4 39707.2 -272.0 40053.9 7594.7 -84.07
      5132  8430.7 42153.4 -272.0 42480.3 8103.7 -84.40
MIN Cent  2160.8 10804.1 -3426.2 11763.8 1103.9 -72.46
      5131  1073.1 5365.3 -3333.1 6863.3 -691.6 -63.04
      5104  585.1 2925.3 -3333.1 4924.2 -1774.7 -55.83
      5103  3382.4 16912.2 -3507.0 17595.2 2699.5 -77.64
      5132  3602.8 18013.8 -3507.0 18658.5 2958.0 -78.31

```

```

      NODE   Vxx   Vyy
-----
MAX Cent  0.0 -6053.5
      5131  0.0 -5965.1
      5104  0.0 -6073.6
      5103  0.0 -6073.6
      5132  0.0 -5965.1
MIN Cent  0.0 -35011.0
      5131  0.0 -34464.6
      5104  0.0 -35557.3
      5103 -0.0 -35557.3
      5132 -0.0 -34464.6

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2198	3	3	env SL~1	MAX Cent	5291022.1	120859.8	826393.8	5293584.9	119892.3	1.38
				5132	5291022.1	-67380.6	826393.8	5293478.9	-69055.8	1.33
				5103	5291022.1	309815.5	826393.8	5293699.0	308838.3	1.43
				5102	5291022.1	309815.5	826393.8	5293699.0	308838.3	1.43
				5133	5291022.1	-67380.6	826393.8	5293478.9	-69055.8	1.33
				MIN Cent	-1171396.9	-206315.1	63476.3	-161349.1	-1238323.5	78.33
				5132	-1171396.9	-275375.8	63476.3	-225398.0	-1242555.9	77.56
				5103	-1171396.9	-137449.0	63476.3	-96964.8	-1234529.0	79.01
				5102	-1171396.9	-137449.0	63476.3	-96964.8	-1234529.0	79.01
				5133	-1171396.9	-275375.8	63476.3	-225398.0	-1242555.9	77.56
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	9790.7	48953.4	-726.3	49353.2	9390.9	-84.26
				5132	8421.8	42109.2	-614.0	42528.9	8002.2	-83.67
				5103	7460.8	37304.1	-614.0	37776.2	6988.7	-82.89
				5102	11346.5	56732.5	-830.6	57109.8	10969.1	-84.81
				5133	11933.6	59667.9	-830.6	60027.0	11574.5	-85.06
				MIN Cent	4111.0	20555.2	-3976.9	21281.2	3385.0	-78.38
				5132	3596.4	17982.0	-3823.5	18757.0	2821.5	-77.26
				5103	2947.9	14739.3	-3823.5	15663.2	1988.3	-74.91
				5102	4704.8	23523.8	-4155.7	23591.6	4244.3	-86.57
				5133	4986.9	24934.6	-4155.7	24998.5	4378.4	-86.76
				NODE	Vxx	Vyy				
				MAX Cent	0.0	-3715.9				
				5132	0.0	-2665.3				
				5103	0.0	-4683.9				
				5102	0.0	-4683.9				
				5133	0.0	-2665.3				
				MIN Cent	-0.0	-31931.3				
				5132	0.0	-30317.1				
				5103	0.0	-33545.4				
				5102	-0.0	-33545.4				
				5133	-0.0	-30317.1				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2199	3	3	env SL~1	MAX Cent	5282447.7	77987.9	694549.9	5283336.9	77392.6	0.75
				5133	5282447.7	-60291.8	694549.9	5283313.9	-61157.9	0.73
				5102	5282447.7	217603.7	694549.9	5283361.1	217464.2	0.77
				5101	5282447.7	217603.7	694549.9	5283361.1	217464.2	0.77
				5134	5282447.7	-60291.8	694549.9	5283313.9	-61157.9	0.73
				MIN Cent	-1165215.7	-175409.5	20792.6	-151863.6	-1202191.6	81.63
				5133	-1165215.7	-245952.1	20792.6	-220187.5	-1204709.8	80.62

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

5102 -1165215.7 -105602.4 20792.6 -85012.0 -1199952.8 82.14
 5101 -1165215.7 -105602.4 20792.6 -85012.0 -1199952.8 82.14
 5134 -1165215.7 -245952.1 20792.6 -220187.5 -1204709.8 80.62

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 13098.7 65493.6 -1255.8 65958.1 12634.2 -84.64
 5133 11893.1 59465.3 -1225.5 59939.6 11418.8 -84.33
 5102 10765.4 53826.8 -1225.5 54349.6 10242.6 -83.75
 5101 14751.5 73757.5 -1256.9 74195.3 14313.8 -85.10
 5134 14984.9 74924.6 -1256.9 75355.6 14553.9 -85.17
 MIN Cent 4721.7 23608.6 -4955.1 23730.2 4421.0 -85.43
 5133 4945.8 24729.2 -4773.4 24842.8 4189.0 -85.68
 5102 4410.1 22050.6 -4773.4 22876.9 3548.4 -85.31
 5101 4886.9 24434.6 -5101.0 24549.9 4771.6 -85.62
 5134 4503.4 22517.1 -5101.0 22642.1 4378.4 -85.25

NODE Vxx Vyy

MAX Cent 0.0 572.1
 5133 0.0 3893.9
 5102 0.0 -2749.8
 5101 0.0 -2749.8
 5134 0.0 3893.9
 MIN Cent 0.0 -30552.5
 5133 -0.0 -26692.3
 5102 -0.0 -34412.8
 5101 0.0 -34412.8
 5134 0.0 -26692.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2200 3 3 env SL~1 MAX Cent 5275811.1 44804.6 510032.3 5275901.4 44800.5 -0.50
 5134 5275811.1 -47482.2 510032.3 5275893.7 -54451.0 -0.49
 5101 5275811.1 146245.4 510032.3 5275909.4 145904.8 -0.51
 5100 5275811.1 146245.4 510032.3 5275909.4 145904.8 -0.51
 5135 5275811.1 -47482.2 510032.3 5275893.7 -54451.0 -0.49
 MIN Cent -1158224.2 -140451.7 -46063.1 -133325.9 -1171033.0 85.23
 5134 -1158224.2 -209534.4 -46063.1 -201897.6 -1171968.0 84.89
 5101 -1158224.2 -72834.5 -46063.1 -66634.1 -1170202.5 85.69
 5100 -1158224.2 -72834.5 -46063.1 -66634.1 -1170202.5 85.69
 5135 -1158224.2 -209534.4 -46063.1 -201897.6 -1171968.0 84.89

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 15703.7 78518.3 -1430.7 79061.6 15160.3 -84.71
 5134 14838.7 74193.7 -1739.9 74780.2 14252.3 -84.35
 5101 14095.0 70474.9 -1739.9 71091.7 13478.2 -84.06

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5100 17768.1 88840.7 -1010.1 89296.5 17312.4 -85.44
5135 16112.7 80563.7 -1010.1 81065.6 15610.8 -84.98
MIN Cent 3819.3 19096.5 -5867.5 19268.6 3647.2 -83.98
5134 4360.0 21799.9 -5929.0 22018.3 4141.6 -83.65
5101 4740.9 23704.6 -5929.0 23905.8 4539.7 -84.15
5100 4482.6 22413.0 -5709.6 22493.1 4402.5 -86.19
5135 1693.7 8468.5 -5709.6 8675.0 1487.2 -80.24

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 13229.6
5134 0.0 23795.7
5101 0.0 2663.5
5100 0.0 2663.5
5135 0.0 23795.7
MIN Cent -0.0 -21354.7
5134 0.0 -10998.5
5101 0.0 -31710.8
5100 0.0 -31710.8
5135 0.0 -10998.5

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2201 3 3 env SL~1 MAX Cent 5270562.1 18559.7 257498.5 5273827.7 16344.6 -1.53
5135 5270562.1 -2496.0 257498.5 5273780.4 -40042.6 -1.51
5100 5270562.1 86294.6 257498.5 5273876.1 82732.6 -1.55
5099 5270562.1 86294.6 257498.5 5273876.1 82732.6 -1.55
5136 5270562.1 -2496.0 257498.5 5273780.4 -40042.6 -1.51
MIN Cent -1150517.4 -101918.0 -141597.4 -101907.8 -1150527.6 89.82
5135 -1150517.4 -167102.8 -141597.4 -167092.0 -1150528.3 89.81
5100 -1150517.4 -39170.4 -141597.4 -39153.8 -1150527.0 89.78
5099 -1150517.4 -39170.4 -141597.4 -39153.8 -1150527.0 89.78
5136 -1150517.4 -167102.8 -141597.4 -167092.0 -1150528.3 89.81

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 15003.5 75017.6 -64.9 75561.6 14459.6 -84.59
5135 15601.4 78007.2 -1705.6 78754.0 14854.6 -83.79
5100 17229.5 86147.6 -1705.6 86825.3 16551.8 -84.36
5099 18077.8 90388.8 1899.1 90645.5 17821.0 -86.60
5136 9105.4 45526.9 1899.1 46031.5 8600.8 -83.33
MIN Cent -138.9 -694.4 -5739.3 -34.2 -799.1 -21.71
5135 1195.1 5975.6 -6867.6 6618.8 551.9 -71.00
5100 4582.7 22913.3 -6867.6 23101.7 4394.3 -84.24
5099 2464.1 12320.5 -4316.4 12591.9 2192.7 80.70
5136 -8969.1 -44845.4 -4316.4 -8868.8 -44945.6 3.02

```

```

NODE Vxx Vyy

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  0.0 54535.1
  5135  0.0 89321.6
  5100  0.0 19748.6
  5099 -0.0 19748.6
  5136 -0.0 89321.6
MIN Cent  0.0 24379.0
  5135  0.0 56081.0
  5100  0.0 -7322.9
  5099 -0.0 -7322.9
  5136 -0.0 56081.0

```

```

ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
2202   3    3 env SL~1 MAX Cent 5266026.8 21466.8 -79919.5 5279889.9 16665.9 -3.03
      5136 5266026.8 46936.6 -79919.5 5279783.4 42063.4 -3.01
      5099 5266026.8 29394.4 -79919.5 5279997.8 14477.1 -3.05
      5124 5266026.8 29394.4 -79919.5 5279997.8 14477.1 -3.05
      5137 5266026.8 46936.6 -79919.5 5279783.4 42063.4 -3.01
MIN Cent -1142340.6 -61033.8 -280044.8 -52140.6 -1151917.4 -84.84
      5136 -1142340.6 -120755.6 -280044.8 -111351.7 -1152476.5 -84.54
      5099 -1142340.6 -6432.2 -280044.8 -828.5 -1151412.5 -85.99
      5124 -1142340.6 -6432.2 -280044.8 -828.5 -1151412.5 -85.99
      5137 -1142340.6 -120755.6 -280044.8 -111351.7 -1152476.5 -84.54

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent 1519.7 7598.6 6802.3 7778.4 1339.9 -80.38
  5136 7328.7 36643.3 579.4 37891.3 6080.7 -78.58
  5099 18442.6 92213.0 579.4 92726.5 17929.1 -85.25
  5124 7878.1 39390.5 14120.0 40174.0 7094.6 81.15
  5137 -27570.5 -137852.4 14120.0 -27341.5 -138081.4 2.61
MIN Cent -14335.0 -71675.1 -1060.9 -13539.1 -72471.0 6.67
  5136 -10701.3 -53506.3 -6175.9 -10693.4 -53514.1 0.78
  5099 3663.6 18318.0 -6175.9 18327.9 3653.7 88.51
  5124 -4322.0 -21610.0 5030.2 2982.4 -29521.8 28.66
  5137 -46100.1 -230500.4 5030.2 -45025.2 -231575.4 4.35

```

```

NODE   Vxx   Vyy
-----

```

```

-----
MAX Cent  0.0 196245.9
  5136  0.0 305601.4
  5099  0.0 91204.3
  5124 -0.0 91204.3
  5137 -0.0 305601.4
MIN Cent -0.0 136544.8
  5136 -0.0 222916.8
  5099 -0.0 40337.5
  5124 -0.0 40337.5

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5137 -0.0 222916.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2203	3	3	env SL~1	MAX Cent	4621024.9	-537459.3	251464.4	4759110.9	-548155.5	-8.85
				5138	4161470.6	-344293.6	251464.4	4307891.1	-509770.8	-9.38
				5139	4161470.6	-576991.9	251464.4	4314971.6	-588344.1	-9.82
				5143	5080579.1	-576991.9	251464.4	5211209.3	-586742.2	-8.38
				5142	5080579.1	-344293.6	251464.4	5206008.5	-508038.3	-8.05
				MIN Cent	-1216173.0	-969722.9	-886480.3	-500337.6	-1299734.7	71.14
				5138	-1185432.9	-1087297.6	-886480.3	-304989.4	-1253369.1	74.48
				5139	-1185432.9	-917101.9	-886480.3	-677180.6	-1303125.2	64.30
				5143	-1246913.0	-917101.9	-886480.3	-687872.3	-1354683.9	66.37
				5142	-1246913.0	-1087297.6	-886480.3	-309142.4	-1310704.8	75.38
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	-57377.9	-284414.3	137520.2	-49123.2	-292590.2	10.62
				5138	-111835.6	266749.9	121147.2	297610.0	-153344.0	75.28
				5139	176833.2	-66434.6	133349.4	232502.4	-122362.5	23.38
				5143	-15131.3	-75656.7	91381.1	-6072.2	-84705.7	19.87
				5142	23657.8	118289.2	79178.9	123975.6	18154.7	76.61
				MIN Cent	-214146.1	-1054208.4	43852.7	-192206.7	-1076147.8	9.06
				5138	-176215.1	-466633.7	45838.3	-149557.1	-474445.7	8.92
				5139	-92038.8	-767592.7	47666.4	-88313.5	-771537.6	4.27
				5143	-485725.4	-2428626.9	25091.4	-481436.9	-2432915.4	2.69
				5142	-386801.2	-1934005.9	23263.3	-382759.7	-1938047.4	2.92
				NODE	Vxx	Vyy				
				MAX Cent	-23249.3	3906386.8				
				5138	-46498.6	3850516.4				
				5139	-46498.6	3962257.2				
				5143	0.0	3962257.2				
				5142	0.0	3850516.4				
				MIN Cent	-81862.7	-1066751.0				
				5138	-163725.4	-966514.6				
				5139	-163725.4	-1168783.5				
				5143	-0.0	-1168783.5				
				5142	-0.0	-966514.6				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2204	3	3	env SL~1	MAX Cent	4859088.2	-646181.7	303813.0	4873888.4	-676870.8	2.91
				5139	4620005.5	-572251.3	303813.0	4635698.1	-605761.6	3.09
				5140	4620005.5	-720112.0	303813.0	4635209.1	-751325.9	2.99
				5144	5098171.0	-720112.0	303813.0	5112174.5	-748412.9	2.76

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5143 5098171.0 -572251.3 303813.0 5112588.5 -602432.8 2.84
MIN Cent -1364327.7 -1040998.1 92463.7 -868605.8 -1384888.0 78.49
5139 -1420692.0 -922413.8 92463.7 -807880.1 -1437889.8 80.65
5140 -1420692.0 -1159582.3 92463.7 -932921.7 -1442446.5 78.31
5144 -1307963.4 -1159582.3 92463.7 -927064.1 -1334698.1 75.16
5143 -1307963.4 -922413.8 92463.7 -804279.8 -1328180.9 78.67

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -93689.1 -454220.9 31393.5 -92625.2 -455284.8 3.10
5139 -55320.3 -112744.8 23712.7 -54168.0 -113897.1 7.98
5140 -52029.8 -291920.1 42966.5 -47677.7 -296272.2 7.60
5144 -31023.4 -155116.8 26952.2 -28760.4 -157379.8 7.62
5143 -15131.3 -75656.7 7698.4 -14461.1 -76326.9 5.97
MIN Cent -278810.0 -1359936.9 16809.7 -278498.4 -1360248.6 0.97
5139 -191949.6 -787650.0 8215.6 -191544.7 -788054.9 1.49
5140 -154190.7 -881785.2 24902.8 -153201.4 -882774.5 2.11
5144 -504626.1 -2523130.7 16909.9 -504398.1 -2523358.7 0.61
5143 -485725.4 -2428626.9 -4265.7 -485718.2 -2428634.1 -0.11

```

```

NODE Vxx Vyy
-----
MAX Cent -7940.2 3877554.0
5139 -15880.4 3962257.2
5140 -15880.4 3792850.7
5144 0.0 3792850.7
5143 0.0 3962257.2
MIN Cent -16549.6 -1187061.3
5139 -33099.1 -1168783.5
5140 -33099.1 -1205339.1
5144 0.0 -1205339.1
5143 0.0 -1168783.5

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2205 3 3 env SL~1 MAX Cent 4601900.5 -750628.0 1316963.9 4880633.1 -950565.9 12.09
5140 4176863.5 -740011.8 1316963.9 4486770.7 -908684.6 13.39
5141 4176863.5 -614453.1 1316963.9 4464973.3 -1016321.1 12.48
5145 5026937.6 -614453.1 1316963.9 5279986.5 -995084.3 11.00
5144 5026937.6 -740011.8 1316963.9 5296859.7 -885501.5 11.71
MIN Cent -1325947.8 -1254243.2 -48516.2 -802831.1 -1536488.4 -86.06
5140 -1361664.7 -1183306.4 -48516.2 -942939.1 -1364272.6 -85.07
5141 -1361664.7 -1467447.6 -48516.2 -662714.8 -1760197.5 -87.05
5145 -1291195.5 -1467447.6 -48516.2 -662512.4 -1724061.3 -86.72
5144 -1291195.5 -1183306.4 -48516.2 -942332.8 -1326852.4 -84.11

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent -82887.8 -403569.8 -30519.2 -80009.1 -406448.5 -5.39
5140 73704.4 -266773.3 -37625.7 99723.7 -292792.6 -14.92
5141 -117647.4 -2852.5 -29598.4 30736.1 -182786.2 -66.63
5145 -2389.3 -11946.3 -12472.2 6201.8 -20537.4 -34.53
5144 -31023.4 -155116.8 -20513.8 -27720.2 -158420.0 -9.15
MIN Cent -258665.6 -1265467.6 -96733.1 -249455.8 -1274677.4 -5.44
5140 -139742.5 -878895.5 -100428.4 -137540.7 -881097.3 -3.12
5141 -192477.2 -644878.0 -79852.4 -183211.6 -647005.7 -9.93
5145 -438511.3 -2192556.5 -49749.9 -437101.4 -2193966.4 -1.62
5144 -504626.1 -2523130.7 -70325.9 -502178.9 -2525577.9 -1.99

```

NODE Vxx Vyy

```

MAX Cent 57153.2 3794356.6
5140 114306.3 3792850.7
5141 114306.3 3795862.4
5145 0.0 3795862.4
5144 0.0 3792850.7
MIN Cent 15332.2 -1121718.4
5140 30664.4 -1205339.1
5141 30664.4 -1038097.6
5145 -0.0 -1038097.6
5144 -0.0 -1205339.1

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2206 3 3 env SL~1 MAX Cent 3929013.4 208542.1 3117625.3 5692602.5 -720685.6 29.56
5141 2549468.2 -543491.8 3117625.3 4223958.5 -1123585.2 28.30
5123 2549468.2 1983528.3 3117625.3 5391202.0 -377350.8 42.45
5122 5308558.6 1983528.3 3117625.3 7176687.9 112058.3 30.98
5145 5308558.6 -543491.8 3117625.3 6508458.3 -1310427.9 21.10
MIN Cent -961789.3 -339964.1 -488923.4 -78170.6 -1578791.1 -61.44
5141 -725451.9 -1599850.3 -488923.4 -172624.2 -3272756.5 -48.98
5123 -725451.9 -96766.7 -488923.4 169589.2 -984211.6 -61.75
5122 -1198126.7 -96766.7 -488923.4 88723.8 -1380650.4 -69.36
5145 -1198126.7 -1599850.3 -488923.4 -325900.6 -2799072.2 -61.10

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -30471.0 -165245.6 -22211.3 -26885.5 -168811.7 -9.18
5141 353742.8 97735.5 -29516.5 459351.8 -7873.5 -28.39
5123 -43258.4 326562.8 -39036.6 403689.1 -142912.0 -70.90
5122 26977.2 134885.8 -13301.1 136523.7 25339.2 -83.03
5145 -2389.3 -11946.3 -3781.0 -1074.3 -13261.3 -19.18
MIN Cent -147557.3 -775484.7 -235620.4 -69287.8 -854064.2 -18.41
5141 -105406.2 -630962.8 -198988.1 -103429.7 -633034.8 -3.52
5123 -243917.6 -187370.3 -226829.8 -35318.1 -323672.4 -15.93
5122 -260299.0 -1301495.2 -168965.9 -233876.8 -1328077.1 -8.92
5145 -438511.3 -2192556.5 -141124.2 -427229.5 -2203838.3 -4.57

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	131216.4	3351771.0
5141	262432.7	3795862.4
5123	262432.7	2913205.4
5122	0.0	2913205.4
5145	0.0	3795862.4
MIN Cent	4876.2	-790392.1
5141	9752.3	-1038097.6
5123	9752.3	-545417.4
5122	-0.0	-545417.4
5145	-0.0	-1038097.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2207	3	3	env SL~1	MAX Cent	5036170.6	-466651.6	830835.2	5045703.2	-688032.4	2.47
				5142	5036170.6	-214047.2	830835.2	5045128.9	-713093.4	2.35
				5143	5036170.6	-573079.7	830835.2	5046340.8	-662992.0	2.61
				5147	5036170.6	-573079.7	830835.2	5046340.8	-662992.0	2.61
				5146	5036170.6	-214047.2	830835.2	5045128.9	-713093.4	2.35
				MIN Cent	-1231051.1	-1191332.5	229066.4	-320571.8	-1443663.6	66.60
				5142	-1231051.1	-1511942.2	229066.4	-96510.4	-1522292.6	70.86
				5143	-1231051.1	-903354.1	229066.4	-527946.7	-1502541.7	60.71
				5147	-1231051.1	-903354.1	229066.4	-527946.7	-1502541.7	60.71
				5146	-1231051.1	-1511942.2	229066.4	-96510.4	-1522292.6	70.86

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	3969.7	19848.5	25625.3	24707.7	-889.5	64.17
5142	22573.8	112868.8	42753.2	115714.6	19737.0	80.09
5143	-14455.0	-72274.9	42753.2	-10298.5	-76431.4	14.52
5147	-2185.1	-10925.5	11166.9	52.6	-13163.2	24.30
5146	10437.4	52187.2	11166.9	52691.9	9932.7	83.76
MIN Cent	-283172.8	-1415864.0	9902.5	-282593.4	-1416443.4	1.30
5142	-378492.9	-1892464.3	16050.1	-377286.5	-1893670.6	1.62
5143	-483963.6	-2419818.1	16050.1	-483019.9	-2420761.8	1.26
5147	-152365.2	-761825.9	4618.2	-152160.6	-762030.5	1.05
5146	-117869.5	-589347.7	4618.2	-117605.2	-589612.1	1.36

NODE	Vxx	Vyy

MAX Cent	0.0	1951.6
5142	0.0	109048.0
5143	0.0	-105144.7
5147	0.0	-105144.7
5146	0.0	109048.0
MIN Cent	0.0	-2556352.8

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

5142 -0.0 -2249985.4
5143 -0.0 -2862720.3
5147 0.0 -2862720.3
5146 0.0 -2249985.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2208	3	3	env SL~1	MAX Cent 5092192.3	-640142.4	563987.4	5092782.9	-693860.3	0.57	
				5143 5092192.3	-574721.3	563987.4	5092789.1	-629981.0	0.58	
				5144 5092192.3	-705563.5	563987.4	5092776.8	-757821.4	0.56	
				5148 5092192.3	-705563.5	563987.4	5092776.8	-757821.4	0.56	
				5147 5092192.3	-574721.3	563987.4	5092789.1	-629981.0	0.58	
				MIN Cent -1299885.2	-1020591.4	59360.5	-729822.2	-1438421.1	65.45	
				5143 -1299885.2	-910409.5	59360.5	-673137.3	-1426234.0	67.44	
				5144 -1299885.2	-1130773.4	59360.5	-784616.2	-1452593.1	63.19	
				5148 -1299885.2	-1130773.4	59360.5	-784616.2	-1452593.1	63.19	
				5147 -1299885.2	-910409.5	59360.5	-673137.3	-1426234.0	67.44	

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	-13289.6	-66447.9	5003.0	-12937.7	-66799.7	4.64
5143	-14455.0	-72274.9	7567.6	-13672.7	-73057.2	6.59
5144	-29412.1	-147060.5	7567.6	-29023.7	-147448.9	3.28
5148	-7106.1	-35530.6	2838.1	-6923.6	-35713.1	4.57
5147	-2185.1	-10925.5	2838.1	-1623.8	-11486.8	13.80
MIN Cent	-324669.3	-1623346.3	2325.2	-324661.3	-1623354.3	0.14
5143	-483963.6	-2419818.1	5498.8	-483942.4	-2419839.3	0.19
5144	-503604.9	-2518024.5	5498.8	-503584.5	-2518044.9	0.18
5148	-158743.3	-793716.6	-1033.4	-158742.9	-793717.0	0.05
5147	-152365.2	-761825.9	-1033.4	-152364.7	-761826.4	0.05

NODE Vxx Vyy

MAX Cent	0.0	-148674.6
5143	0.0	-105144.7
5144	0.0	-192204.5
5148	0.0	-192204.5
5147	0.0	-105144.7
MIN Cent	0.0	-2919971.3
5143	0.0	-2862720.3
5144	0.0	-2977222.4
5148	-0.0	-2977222.4
5147	-0.0	-2862720.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2209	3	3	env SL~1	MAX Cent 4990594.1	-644005.9	150624.6	4997015.9	-833670.1	-1.82	

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5144 4990594.1 -712925.2 150624.6 4997474.5 -722868.8 -1.95
5145 4990594.1 -436018.7 150624.6 4996614.5 -944512.1 -1.70
5149 4990594.1 -436018.7 150624.6 4996614.5 -944512.1 -1.70
5148 4990594.1 -712925.2 150624.6 4997474.5 -722868.8 -1.95
MIN Cent -1269340.3 -1433306.7 -207873.6 -696026.7 -1439277.9 89.82
5144 -1269340.3 -1138471.8 -207873.6 -910080.7 -1269927.7 89.72
5145 -1269340.3 -1852844.5 -207873.6 -481970.9 -1858449.7 89.87
5149 -1269340.3 -1852844.5 -207873.6 -481970.9 -1858449.7 89.87
5148 -1269340.3 -1138471.8 -207873.6 -910080.7 -1269927.7 89.72

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -9310.9 -46554.3 -6213.5 -8243.0 -47622.1 -9.48
5144 -29412.1 -147060.5 -10703.1 -28435.0 -148037.7 -5.19
5145 -2707.2 -13536.1 -10703.1 3929.4 -20172.8 -31.65
5149 1982.0 9910.2 -2359.5 10736.1 1156.1 -72.93
5148 -7106.1 -35530.6 -2359.5 -6854.0 -35782.7 -5.36
MIN Cent -306327.9 -1531639.7 -22000.3 -305947.1 -1532020.6 -1.01
5144 -503604.9 -2518024.5 -33861.8 -503038.9 -2518590.6 -0.96
5145 -428571.1 -2142855.5 -33861.8 -427906.0 -2143520.5 -1.13
5149 -134392.5 -671962.4 -12001.9 -134153.2 -672201.6 -1.21
5148 -158743.3 -793716.6 -12001.9 -158540.7 -793919.2 -1.02

```

```

NODE Vxx Vyy
-----
MAX Cent -0.0 -115850.9
5144 0.0 -192204.5
5145 0.0 -39497.3
5149 0.0 -39497.3
5148 0.0 -192204.5
MIN Cent -0.0 -2758447.0
5144 -0.0 -2977222.4
5145 -0.0 -2541069.5
5149 0.0 -2541069.5
5148 0.0 -2977222.4

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2210 3 3 env SL~1 MAX Cent 5363743.6 484467.4 -49111.9 5687370.0 163605.5 -14.03
5145 5363743.6 -424525.2 -49111.9 5592742.4 -946548.6 -10.05
5122 5363743.6 2715650.3 -49111.9 5895687.2 2184390.0 -22.30
5121 5363743.6 2715650.3 -49111.9 5895687.2 2184390.0 -22.30
5149 5363743.6 -424525.2 -49111.9 5592742.4 -946548.6 -10.05
MIN Cent -1205146.1 -375061.5 -1304279.9 -371876.5 -1210035.6 -86.46
5145 -1205146.1 -1776734.0 -1304279.9 -462905.3 -2007606.1 -86.03
5122 -1205146.1 -290153.7 -1304279.9 -287521.3 -1209459.7 -86.93
5121 -1205146.1 -290153.7 -1304279.9 -287521.3 -1209459.7 -86.93
5149 -1205146.1 -1776734.0 -1304279.9 -462905.3 -2007606.1 -86.03

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	9091.6	45458.0	-6688.8	46665.1	7884.5	-79.84
5145	-2707.2	-13536.1	-11335.8	4453.0	-20696.4	-32.25
5122	25589.2	127946.0	-11335.8	129186.4	24348.8	-83.76
5121	11717.0	58584.8	-2600.3	58827.4	11476.9	-85.89
5149	1982.0	9910.2	-2600.3	10808.2	1084.1	-72.31
MIN Cent	-231782.7	-1158913.4	-39467.2	-230127.8	-1160568.3	-2.42
5145	-428571.1	-2142855.5	-63546.0	-426226.4	-2145200.1	-2.12
5122	-281669.9	-1408349.5	-63546.0	-278097.2	-1411922.2	-3.22
5121	-83003.9	-415019.5	-19132.1	-81967.4	-416056.0	-3.19
5149	-134392.5	-671962.4	-19132.1	-133751.1	-672603.8	-1.98

NODE	Vxx	Vyy

MAX Cent	0.0	40977.7
5145	0.0	-39497.3
5122	0.0	121452.7
5121	0.0	121452.7
5149	0.0	-39497.3
MIN Cent	0.0	-2129906.9
5145	-0.0	-2541069.5
5122	-0.0	-1718744.3
5121	-0.0	-1718744.3
5149	-0.0	-2541069.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2211	3	3	env SL~1	MAX Cent	5081819.9	-459360.9	1019004.2	5119304.7	-637013.7	4.76
				5146	5081819.9	-261711.7	1019004.2	5118776.6	-593499.5	4.70
				5147	5081819.9	-557611.6	1019004.2	5119846.4	-680616.2	4.82
				5151	5081819.9	-557611.6	1019004.2	5119846.4	-680616.2	4.82
				5150	5081819.9	-261711.7	1019004.2	5118776.6	-593499.5	4.70
				MIN Cent	-1229290.4	-961573.1	405732.6	-300486.8	-1456514.6	66.10
				5146	-1229290.4	-1038957.2	405732.6	-126351.1	-1421870.8	69.54
				5147	-1229290.4	-884189.1	405732.6	-464317.6	-1502271.3	61.70
				5151	-1229290.4	-884189.1	405732.6	-464317.6	-1502271.3	61.70
				5150	-1229290.4	-1038957.2	405732.6	-126351.1	-1421870.8	69.54

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	2687.7	13438.4	7377.7	14437.4	1688.7	73.74
5146	10289.2	51446.0	13076.8	52155.7	9579.6	82.58
5147	-2020.8	-10104.0	13076.8	955.6	-13080.4	27.42
5151	-830.8	-4153.8	2668.7	-109.1	-4875.5	22.90
5150	3377.6	16888.0	2668.7	17100.7	3164.9	82.90
MIN Cent	-87817.2	-439086.0	3058.0	-87662.3	-439240.9	1.20
5146	-116873.7	-584368.3	5450.7	-116508.2	-584733.8	1.60

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5147 -151860.7 -759303.3 5450.7 -151579.3 -759584.7 1.23
 5151 -47081.1 -235405.5 -169.0 -47046.4 -235440.2 0.78
 5150 -35453.3 -177266.7 -169.0 -35407.3 -177312.8 1.03

NODE Vxx Vyy

MAX Cent 0.0 25743.1

5146 0.0 59832.1
 5147 0.0 -8194.6
 5151 -0.0 -8194.6
 5150 -0.0 59832.1

MIN Cent 0.0 -803740.5

5146 0.0 -702909.2
 5147 0.0 -904571.8
 5151 -0.0 -904571.8
 5150 -0.0 -702909.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2212 3 3 env SL~1 MAX Cent 5087499.1 -622320.1 749729.3 5095311.4 -699573.0 2.07

5147 5087499.1 -562039.0 749729.3 5095390.8 -641301.1 2.09
 5148 5087499.1 -682601.2 749729.3 5095233.5 -757941.1 2.05
 5152 5087499.1 -682601.2 749729.3 5095233.5 -757941.1 2.05
 5151 5087499.1 -562039.0 749729.3 5095390.8 -641301.1 2.09

MIN Cent -1284858.2 -961713.7 216360.5 -629231.7 -1452880.9 64.86

5147 -1284858.2 -883643.5 216360.5 -580423.7 -1441576.0 66.41
 5148 -1284858.2 -1062809.6 216360.5 -676758.8 -1465530.3 63.16
 5152 -1284858.2 -1062809.6 216360.5 -676758.8 -1465530.3 63.16
 5151 -1284858.2 -883643.5 216360.5 -580423.7 -1441576.0 66.41

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -3150.2 -15750.8 2441.4 -2865.8 -15937.5 8.45

5147 -2020.8 -10104.0 3265.8 -1204.7 -10920.2 16.85
 5148 -6745.5 -33727.6 3265.8 -6479.0 -33994.1 5.65
 5152 -2591.8 -12958.9 1736.9 -2528.1 -13022.6 4.47
 5151 -830.8 -4153.8 1736.9 -641.7 -4342.9 13.06

MIN Cent -101621.2 -508106.0 -1129.0 -101621.2 -508106.0 -0.01

5147 -151860.7 -759303.3 141.0 -151859.0 -759304.9 0.09
 5148 -158266.3 -791331.6 141.0 -158264.8 -791333.1 0.09
 5152 -49276.7 -246383.5 -2272.4 -49272.1 -246388.0 -0.28
 5151 -47081.1 -235405.5 -2272.4 -47076.3 -235410.3 -0.29

NODE Vxx Vyy

MAX Cent 0.0 -21289.2

5147 0.0 -8194.6
 5148 0.0 -34383.8

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5152 -0.0 -34383.8
5151 -0.0 -8194.6
MIN Cent -0.0 -922744.7
5147 0.0 -904571.8
5148 0.0 -940917.6
5152 -0.0 -940917.6
5151 -0.0 -904571.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2213	3	3	env SL~1	MAX Cent	5047151.6	-596156.3	333598.9	5048366.7	-706287.2	-0.81
				5148	5047151.6	-685094.4	333598.9	5048393.6	-706727.0	-0.82
				5149	5047151.6	-420011.3	333598.9	5048340.9	-705847.4	-0.79
				5153	5047151.6	-420011.3	333598.9	5048340.9	-705847.4	-0.79
				5152	5047151.6	-685094.4	333598.9	5048393.6	-706727.0	-0.82
				MIN Cent	-1258835.3	-1145843.8	-90410.0	-628176.7	-1282374.0	81.14
				5148	-1258835.3	-1064627.0	-90410.0	-805884.1	-1291486.6	77.75
				5149	-1258835.3	-1271546.1	-90410.0	-447863.1	-1276996.8	83.09
				5153	-1258835.3	-1271546.1	-90410.0	-447863.1	-1276996.8	83.09
				5152	-1258835.3	-1064627.0	-90410.0	-805884.1	-1291486.6	77.75

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-1843.6	-9218.2	-1184.3	-1364.3	-9533.7	-14.32
5148	-6745.5	-33727.6	-2667.9	-6419.8	-34053.3	-6.23
5149	2030.0	10150.2	-2667.9	11128.0	1052.3	-71.85
5153	325.2	1625.9	68.0	2041.9	-90.8	-63.79
5152	-2591.8	-12958.9	68.0	-2523.3	-13027.3	-4.63
MIN Cent	-95409.3	-477046.5	-9071.8	-95225.2	-477230.6	-1.26
5148	-158266.3	-791331.6	-13076.9	-158020.3	-791577.6	-1.13
5149	-132921.2	-664605.8	-13076.9	-132628.2	-664898.7	-1.34
5153	-41173.0	-205865.2	-5700.0	-41025.3	-206012.9	-1.71
5152	-49276.7	-246383.5	-5700.0	-49153.2	-246506.9	-1.43

NODE	Vxx	Vyy
MAX Cent	0.0	-8876.6
5148	0.0	-34383.8
5149	0.0	16630.6
5153	0.0	16630.6
5152	0.0	-34383.8
MIN Cent	0.0	-866493.8
5148	0.0	-940917.6
5149	0.0	-792070.1
5153	0.0	-792070.1
5152	0.0	-940917.6

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2214	3	3	env SL~1	MAX Cent	5325116.8	291333.0	32931.9	5442456.0	173993.8	-8.58
				5149	5325116.8	-409195.1	32931.9	5416759.2	-663027.0	-6.72
				5121	5325116.8	1769419.4	32931.9	5488060.3	1606157.9	-11.92
				5120	5325116.8	1769419.4	32931.9	5488060.3	1606157.9	-11.92
				5153	5325116.8	-409195.1	32931.9	5416759.2	-663027.0	-6.72
				MIN Cent	-1198625.1	-342456.3	-785321.0	-341319.6	-1199761.7	87.91
				5149	-1198625.1	-1214632.8	-785321.0	-447501.8	-1307655.1	89.23
				5121	-1198625.1	-250688.3	-785321.0	-249544.6	-1199643.1	88.01
				5120	-1198625.1	-250688.3	-785321.0	-249544.6	-1199643.1	88.01
				5153	-1198625.1	-1214632.8	-785321.0	-447501.8	-1307655.1	89.23
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	4169.3	20846.3	-1370.5	21122.6	3917.0	-82.72
				5149	2030.0	10150.2	-2944.8	11218.0	962.3	-71.18
				5121	11142.2	55711.0	-2944.8	55953.8	10923.2	-85.30
				5120	3423.2	17116.2	-45.5	17172.4	3367.0	-86.34
				5153	325.2	1625.9	-45.5	2068.9	-117.9	-63.25
				MIN Cent	-71496.0	-357479.9	-13956.0	-70873.4	-358102.4	-2.67
				5149	-132921.2	-664605.8	-21422.9	-132097.6	-665429.4	-2.25
				5121	-86792.4	-433962.2	-21422.9	-85533.7	-435220.9	-3.44
				5120	-25097.3	-125486.3	-7595.6	-24624.6	-125959.0	-3.92
				5153	-41173.0	-205865.2	-7595.6	-40884.1	-206154.1	-2.40
				NODE	Vxx	Vyy				
				MAX Cent	0.0	43373.7				
				5149	0.0	16630.6				
				5121	0.0	70704.8				
				5120	0.0	70704.8				
				5153	0.0	16630.6				
				MIN Cent	0.0	-662399.6				
				5149	-0.0	-792070.1				
				5121	-0.0	-534517.2				
				5120	-0.0	-534517.2				
				5153	-0.0	-792070.1				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2215	3	3	env SL~1	MAX Cent	5113870.3	-446728.8	1104371.4	5171626.0	-587884.3	5.82
				5150	5113870.3	-286824.4	1104371.4	5172223.1	-510013.3	5.88
				5151	5113870.3	-531262.3	1104371.4	5171040.0	-666079.6	5.77
				5155	5113870.3	-531262.3	1104371.4	5171040.0	-666079.6	5.77
				5154	5113870.3	-286824.4	1104371.4	5172223.1	-510013.3	5.88
				MIN Cent	-1226544.5	-800223.7	388663.8	-301775.3	-1438693.1	66.93
				5150	-1226544.5	-741594.4	388663.8	-159020.7	-1411371.5	69.75

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5151 -1226544.5 -858853.1 388663.8 -437966.4 -1473173.1 63.44
 5155 -1226544.5 -858853.1 388663.8 -437966.4 -1473173.1 63.44
 5154 -1226544.5 -741594.4 388663.8 -159020.7 -1411371.5 69.75

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -201.8 -1008.8 2154.8 691.2 -1901.8 35.93
 5150 3334.5 16672.6 3180.1 16944.9 3062.3 81.95
 5151 -776.5 -3882.3 3180.1 143.9 -4802.6 25.55
 5155 -2489.1 -12445.4 1541.8 -2449.0 -12485.5 3.62
 5154 -876.1 -4380.4 1541.8 -765.2 -4491.3 9.93
 MIN Cent -27334.0 -136670.2 -651.5 -27320.9 -136683.3 0.63
 5150 -35200.4 -176001.9 687.3 -35131.0 -176071.3 1.27
 5151 -46896.3 -234481.7 687.3 -46844.2 -234533.9 0.95
 5155 -15683.7 -78418.6 -1785.2 -15680.6 -78421.7 -0.41
 5154 -11555.7 -57778.5 -1785.2 -11551.4 -57782.7 -0.55

NODE Vxx Vyy

MAX Cent 0.0 25567.9
 5150 -0.0 36494.0
 5151 -0.0 14785.3
 5155 0.0 14785.3
 5154 0.0 36494.0
 MIN Cent -0.0 -236794.2
 5150 -0.0 -204270.2
 5151 -0.0 -269461.6
 5155 -0.0 -269461.6
 5154 -0.0 -204270.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2216 3 3 env SL~1 MAX Cent 5092557.5 -589167.1 843907.8 5109373.2 -676964.8 3.29
 5151 5092557.5 -536896.1 843907.8 5109560.7 -626671.7 3.33
 5152 5092557.5 -641438.0 843907.8 5109189.1 -727340.1 3.26
 5156 5092557.5 -641438.0 843907.8 5109189.1 -727340.1 3.26
 5155 5092557.5 -536896.1 843907.8 5109560.7 -626671.7 3.33
 MIN Cent -1272245.7 -920485.8 293890.9 -571133.9 -1436683.2 65.97
 5151 -1272245.7 -863663.5 293890.9 -529443.9 -1427720.4 67.17
 5152 -1272245.7 -977308.1 293890.9 -612015.9 -1446504.5 64.66
 5156 -1272245.7 -977308.1 293890.9 -612015.9 -1446504.5 64.66
 5155 -1272245.7 -863663.5 293890.9 -529443.9 -1427720.4 67.17

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -2256.8 -11284.2 1499.8 -2216.0 -11325.0 3.84
 5151 -776.5 -3882.3 1804.9 -531.0 -4127.7 15.14
 5152 -2470.5 -12352.6 1804.9 -2388.0 -12435.2 5.20

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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5156 -3291.3 -16456.4 1227.1 -3282.3 -16465.3 1.49
5155 -2489.1 -12445.4 1227.1 -2477.2 -12457.2 1.97
MIN Cent -32079.0 -160395.2 -2108.1 -32067.0 -160407.2 -0.55
5151 -46896.3 -234481.7 -1712.9 -46892.4 -234485.7 -0.26
5152 -49114.4 -245572.2 -1712.9 -49110.7 -245576.0 -0.25
5156 -16621.7 -83108.4 -2439.4 -16584.5 -83145.7 -1.36
5155 -15683.7 -78418.6 -2439.4 -15644.3 -78458.0 -1.44

```

NODE Vxx Vyy

```

MAX Cent 0.0 11010.5
5151 -0.0 14785.3
5152 -0.0 7449.3
5156 0.0 7449.3
5155 0.0 14785.3
MIN Cent -0.0 -274987.3
5151 -0.0 -269461.6
5152 -0.0 -280512.9
5156 0.0 -280512.9
5155 0.0 -269461.6

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2217 3 3 env SL~1 MAX Cent 5086472.4 -554892.8 461848.4 5086473.2 -615099.9 0.02
5152 5086472.4 -641210.5 461848.4 5086473.2 -672041.0 0.02
5153 5086472.4 -406203.2 461848.4 5086473.2 -558199.8 0.02
5157 5086472.4 -406203.2 461848.4 5086473.2 -558199.8 0.02
5156 5086472.4 -641210.5 461848.4 5086473.2 -672041.0 0.02
MIN Cent -1249847.7 -945565.7 -418.6 -567529.7 -1292831.4 77.96
5152 -1249847.7 -978311.3 -418.6 -715927.8 -1304290.7 74.75
5153 -1249847.7 -912820.1 -418.6 -416140.8 -1285078.2 80.10
5157 -1249847.7 -912820.1 -418.6 -416140.8 -1285078.2 80.10
5156 -1249847.7 -978311.3 -418.6 -715927.8 -1304290.7 74.75

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -2000.3 -10001.4 338.7 -1962.5 -10039.2 -3.92
5152 -2470.5 -12352.6 -102.8 -2372.7 -12450.4 -5.65
5153 338.3 1691.3 -102.8 2212.1 -182.6 -62.20
5157 -2577.6 -12888.1 700.3 -2090.0 -12891.7 -15.06
5156 -3291.3 -16456.4 700.3 -3288.4 -16459.2 -0.84
MIN Cent -30146.7 -150733.4 -4794.4 -30011.3 -150868.9 -1.92
5152 -49114.4 -245572.2 -6111.7 -48967.0 -245719.6 -1.57
5153 -40703.1 -203515.5 -6111.7 -40525.3 -203693.3 -1.89
5157 -14147.5 -70737.6 -3696.3 -13996.5 -70888.5 -2.95
5156 -16621.7 -83108.4 -3696.3 -16493.1 -83237.0 -2.52

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  0.0 16307.1
  5152  0.0 7449.3
  5153  0.0 25173.0
  5157  0.0 25173.0
  5156  0.0 7449.3
MIN Cent  0.0 -254884.9
  5152  0.0 -280512.9
  5153  0.0 -229256.9
  5157 -0.0 -229256.9
  5156 -0.0 -280512.9

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2218 3 3 env SL~1 MAX Cent 5303746.6 184482.0 73175.2 5342231.6 145997.0 -4.94
  5153 5303746.6 -395019.1 73175.2 5335907.2 -503558.2 -4.13
  5120 5303746.6 1215752.9 73175.2 5351684.8 1167687.4 -6.16
  5119 5303746.6 1215752.9 73175.2 5351684.8 1167687.4 -6.16
  5157 5303746.6 -395019.1 73175.2 5335907.2 -503558.2 -4.13
MIN Cent -1187769.5 -288178.2 -449827.9 -285348.2 -1193488.8 86.91
  5153 -1187769.5 -868158.7 -449827.9 -426005.8 -1194473.8 86.34
  5120 -1187769.5 -164969.6 -449827.9 -159759.3 -1192754.9 85.93
  5119 -1187769.5 -164969.6 -449827.9 -159759.3 -1192754.9 85.93
  5157 -1187769.5 -868158.7 -449827.9 -426005.8 -1194473.8 86.34

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```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -194.2 -971.0 245.4 108.2 -1273.4 -27.90
  5153 338.3 1691.3 -225.3 2246.6 -217.0 -61.66
  5120 3262.9 16314.4 -225.3 16395.1 3182.2 -85.52
  5119 397.8 1989.2 627.1 4910.0 -2522.9 -51.18
  5157 -2577.6 -12888.1 627.1 -2036.8 -12891.7 -15.43
MIN Cent -22620.6 -113103.0 -6047.0 -22303.8 -113419.8 -3.38
  5153 -40703.1 -203515.5 -8359.1 -40339.1 -203879.6 -2.70
  5120 -26425.4 -132126.9 -8359.1 -25866.4 -132686.0 -4.15
  5119 -9236.8 -46184.0 -4075.5 -8952.3 -46468.4 -5.00
  5157 -14147.5 -70737.6 -4075.5 -13947.5 -70937.6 -3.40

```

```

NODE Vxx Vyy
-----
MAX Cent  0.0 34754.7
  5153  0.0 25173.0
  5120  0.0 44978.1
  5119  0.0 44978.1
  5157  0.0 25173.0
MIN Cent -0.0 -189142.9
  5153 -0.0 -229256.9
  5120 -0.0 -149504.2
  5119 -0.0 -149504.2

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5157 -0.0 -229256.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2219 3 3 env SL~1 MAX Cent 5137046.1 -400448.5 1114866.7 5201085.1 -534795.0 6.14
 5154 5137046.1 -297123.4 1114866.7 5202575.4 -441735.8 6.28
 5155 5137046.1 -499503.3 1114866.7 5199656.6 -628319.2 6.02
 5159 5137046.1 -499503.3 1114866.7 5199656.6 -628319.2 6.02
 5158 5137046.1 -297123.4 1114866.7 5202575.4 -441735.8 6.28
 MIN Cent -1223189.9 -683553.7 349452.0 -315194.1 -1402470.7 68.71
 5154 -1223189.9 -554391.1 349452.0 -192729.8 -1381947.3 71.06
 5155 -1223189.9 -812716.3 349452.0 -434126.3 -1427770.0 64.82
 5159 -1223189.9 -812716.3 349452.0 -434126.3 -1427770.0 64.82
 5158 -1223189.9 -554391.1 349452.0 -192729.8 -1381947.3 71.06

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -2841.6 -14207.8 1163.9 -2834.2 -14215.2 1.46
 5154 -889.5 -4447.7 1469.7 -796.5 -4540.7 9.07
 5155 -2471.7 -12358.7 1469.7 -2437.5 -12392.9 3.36
 5159 -4452.4 -22262.1 885.3 -4227.8 -22262.2 -7.36
 5158 -3313.3 -16566.7 885.3 -2897.5 -16982.5 -9.89
 MIN Cent -10179.2 -50896.2 -1974.9 -10156.3 -50919.2 -1.36
 5154 -11523.9 -57619.6 -1512.4 -11521.1 -57622.4 -0.45
 5155 -15609.7 -78048.4 -1512.4 -15607.6 -78050.5 -0.33
 5159 -7687.9 -38439.3 -2439.1 -7607.3 -38519.9 -2.93
 5158 -5947.6 -29738.2 -2439.1 -5843.6 -29842.2 -3.77

NODE Vxx Vyy

MAX Cent -0.0 20204.4
 5154 -0.0 23306.5
 5155 -0.0 17102.4
 5159 0.0 17102.4
 5158 0.0 23306.5
 MIN Cent -0.0 -58822.5
 5154 -0.0 -48947.9
 5155 -0.0 -68726.0
 5159 -0.0 -68726.0
 5158 -0.0 -48947.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2220 3 3 env SL~1 MAX Cent 5102542.2 -549664.9 869237.8 5124000.5 -635673.3 3.64
 5155 5102542.2 -505471.9 869237.8 5124196.3 -593138.0 3.67
 5156 5102542.2 -593857.9 869237.8 5123807.9 -678267.9 3.61
 5160 5102542.2 -593857.9 869237.8 5123807.9 -678267.9 3.61

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5159 5102542.2 -505471.9 869237.8 5124196.3 -593138.0 3.67
MIN Cent -1261647.0 -868709.1 274272.4 -540398.8 -1403199.6 68.05
5155 -1261647.0 -820122.5 274272.4 -504542.1 -1396677.3 69.00
5156 -1261647.0 -917295.7 274272.4 -575763.4 -1410256.6 67.03
5160 -1261647.0 -917295.7 274272.4 -575763.4 -1410256.6 67.03
5159 -1261647.0 -820122.5 274272.4 -504542.1 -1396677.3 69.00

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -3808.5 -19042.5 944.4 -3807.9 -19043.1 0.35
5155 -2471.7 -12358.7 1112.8 -2465.3 -12365.1 1.46
5156 -3251.3 -16256.7 1112.8 -3246.5 -16261.6 1.11
5160 -5032.9 -25164.7 782.0 -4714.0 -25292.7 -7.12
5159 -4452.4 -22262.1 782.0 -4183.3 -22262.3 -7.86
MIN Cent -12027.8 -60138.9 -2587.0 -11959.3 -60209.2 -2.06
5155 -15609.7 -78048.4 -2410.7 -15565.9 -78092.2 -1.52
5156 -16574.6 -82873.1 -2410.7 -16533.4 -82914.4 -1.43
5160 -8318.2 -41591.0 -2750.5 -8209.2 -41700.0 -3.27
5159 -7687.9 -38439.3 -2750.5 -7569.9 -38557.2 -3.54

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 16350.5
5155 0.0 17102.4
5156 0.0 15601.4
5160 -0.0 15601.4
5159 -0.0 17102.4
MIN Cent 0.0 -70176.0
5155 0.0 -68726.0
5156 0.0 -71628.9
5160 -0.0 -71628.9
5159 -0.0 -68726.0

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2221 3 3 env SL~1 MAX Cent 5114613.1 -507481.6 526167.8 5115139.6 -543602.5 0.54
5156 5114613.1 -592170.6 526167.8 5115130.4 -626952.9 0.53
5157 5114613.1 -390721.3 526167.8 5115149.1 -460357.4 0.55
5161 5114613.1 -390721.3 526167.8 5115149.1 -460357.4 0.55
5160 5114613.1 -592170.6 526167.8 5115130.4 -626952.9 0.53
MIN Cent -1241917.6 -801970.4 54054.6 -523427.5 -1290155.0 77.47
5156 -1241917.6 -914626.1 54054.6 -651812.5 -1300220.1 74.86
5157 -1241917.6 -689314.6 54054.6 -392781.5 -1282820.9 79.35
5161 -1241917.6 -689314.6 54054.6 -392781.5 -1282820.9 79.35
5160 -1241917.6 -914626.1 54054.6 -651812.5 -1300220.1 74.86

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

MAX Cent -4015.5 -20077.3 580.7 -3829.6 -20082.3 -9.98
5156 -3251.3 -16256.7 508.7 -3241.4 -16266.7 -1.59
5157 -2576.0 -12879.8 508.7 -1921.6 -12892.4 -15.56
5161 -4677.8 -23389.2 623.4 -4224.5 -23842.6 -8.74
5160 -5032.9 -25164.7 623.4 -4610.2 -25295.3 -8.16
MIN Cent -11661.9 -58309.6 -3543.0 -11508.5 -58463.0 -3.28
5156 -16574.6 -82873.1 -3929.9 -16421.8 -83025.9 -2.75
5157 -13968.9 -69844.5 -3929.9 -13787.8 -70025.6 -3.25
5161 -7859.1 -39295.4 -3235.9 -7680.3 -39474.3 -4.30
5160 -8318.2 -41591.0 -3235.9 -8149.1 -41760.1 -4.07

```

NODE Vxx Vyy

```

-----
MAX Cent 0.0 19076.4
5156 0.0 15601.4
5157 0.0 22562.1
5161 -0.0 22562.1
5160 -0.0 15601.4
MIN Cent -0.0 -62494.9
5156 -0.0 -71628.9
5157 -0.0 -53417.2
5161 -0.0 -53417.2
5160 -0.0 -71628.9

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
2222 3 3 env SL~1 MAX Cent 5293071.4 131106.2 163261.3 5304105.3 120072.2 -2.64
5157 5293071.4 -378734.6 163261.3 5302688.6 -408480.8 -2.31
5119 5293071.4 898020.1 163261.3 5306010.1 885189.0 -3.10
5118 5293071.4 898020.1 163261.3 5306010.1 885189.0 -3.10
5161 5293071.4 -378734.6 163261.3 5302688.6 -408480.8 -2.31
MIN Cent -1176237.2 -230516.8 -240312.9 -225877.1 -1184182.7 86.00
5157 -1176237.2 -652509.2 -240312.9 -404077.0 -1185913.3 85.15
5119 -1176237.2 -65011.2 -240312.9 -58938.9 -1182946.4 86.60
5118 -1176237.2 -65011.2 -240312.9 -58938.9 -1182946.4 86.60
5161 -1176237.2 -652509.2 -240312.9 -404077.0 -1185913.3 85.15

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent -2851.0 -14254.9 524.6 -2015.0 -15090.9 -14.65
5157 -2576.0 -12879.8 432.0 -1837.5 -12892.7 -16.13
5119 -156.8 -783.8 432.0 3196.5 -4137.1 -42.55
5118 -3675.3 -18376.3 582.5 -3156.7 -18894.9 -10.46
5161 -4677.8 -23389.2 582.5 -4265.1 -23802.0 -8.36
MIN Cent -9528.2 -47641.0 -3737.5 -9302.6 -47866.7 -4.39
5157 -13968.9 -69844.5 -4411.7 -13720.6 -70092.8 -3.81
5119 -9806.7 -49033.6 -4411.7 -9476.3 -49363.9 -5.22
5118 -6495.1 -32475.4 -3162.0 -6280.3 -32690.2 -5.17
5161 -7859.1 -39295.4 -3162.0 -7681.1 -39473.4 -4.29

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	26237.5
5157	-0.0	22562.1
5119	-0.0	30375.5
5118	0.0	30375.5
5161	0.0	22562.1
MIN Cent	-0.0	-41765.6
5157	-0.0	-53417.2
5119	-0.0	-30113.9
5118	-0.0	-30113.9
5161	-0.0	-53417.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2223	3	3	env SL~1	MAX Cent	5154326.3	-362690.6	1072795.3	5213819.6	-479355.3	5.97
				5158	5154326.3	-259598.6	1072795.3	5215570.5	-381858.4	6.13
				5159	5154326.3	-465782.6	1072795.3	5212159.5	-577318.7	5.81
				5163	5154326.3	-465782.6	1072795.3	5212159.5	-577318.7	5.81
				5162	5154326.3	-259598.6	1072795.3	5215570.5	-381858.4	6.13
				MIN Cent	-1219508.8	-596611.3	296727.9	-335179.6	-1357391.8	70.44
				5158	-1219508.8	-436353.3	296727.9	-224046.9	-1342752.8	73.23
				5159	-1219508.8	-756869.3	296727.9	-443922.3	-1375246.6	67.94
				5163	-1219508.8	-756869.3	296727.9	-443922.3	-1375246.6	67.94
				5162	-1219508.8	-436353.3	296727.9	-224046.9	-1342752.8	73.23

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-4633.3	-23166.4	480.1	-4392.4	-23407.3	-6.46
5158	-3387.0	-16935.0	681.5	-2965.0	-17357.0	-9.86
5159	-4445.0	-22225.2	681.5	-4180.2	-22226.6	-7.55
5163	-5241.5	-26207.4	283.4	-4987.2	-26461.7	-6.25
5162	-4461.9	-22309.3	283.4	-4164.5	-22606.7	-7.30
MIN Cent	-6508.2	-32540.8	-2858.9	-6351.1	-32697.9	-4.43
5158	-5984.7	-29923.5	-2547.9	-5863.8	-30044.4	-4.05
5159	-7651.4	-38257.0	-2547.9	-7556.6	-38351.8	-3.18
5163	-7880.2	-39400.9	-3149.8	-7614.4	-39666.7	-5.22
5162	-6873.8	-34369.2	-3149.8	-6569.9	-34673.2	-5.97

NODE	Vxx	Vyy

MAX Cent	0.0	29633.9
5158	-0.0	30102.3
5159	-0.0	29165.5
5163	0.0	29165.5
5162	0.0	30102.3
MIN Cent	-0.0	-6044.9

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5158 -0.0 -3608.2
5159 -0.0 -8481.5
5163 -0.0 -8481.5
5162 -0.0 -3608.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2224 3 3 env SL~1 MAX Cent 5114647.9 -508804.6 844538.1 5135966.2 -584537.5 3.61
5159 5114647.9 -471627.2 844538.1 5136130.9 -548613.5 3.64
5160 5114647.9 -545982.0 844538.1 5135803.7 -620500.3 3.59
5164 5114647.9 -545982.0 844538.1 5135803.7 -620500.3 3.59
5163 5114647.9 -471627.2 844538.1 5136130.9 -548613.5 3.64
MIN Cent -1252717.1 -806684.1 238188.5 -525543.4 -1362089.8 70.88
5159 -1252717.1 -765272.2 238188.5 -494161.2 -1357662.2 71.62
5160 -1252717.1 -848096.0 238188.5 -556637.3 -1366842.8 70.09
5164 -1252717.1 -848096.0 238188.5 -556637.3 -1366842.8 70.09
5163 -1252717.1 -765272.2 238188.5 -494161.2 -1357662.2 71.62

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -5352.3 -26761.5 415.6 -5130.8 -26983.1 -5.78
5159 -4445.0 -22225.2 563.1 -4125.3 -22229.0 -8.14
5160 -5034.4 -25171.8 563.1 -4696.3 -25241.5 -7.32
5164 -5764.3 -28821.7 266.6 -5534.7 -29051.3 -5.67
5163 -5241.5 -26207.4 266.6 -4989.5 -26459.4 -6.22
MIN Cent -7521.9 -37609.3 -3050.6 -7356.4 -37774.8 -4.23
5159 -7651.4 -38257.0 -2912.9 -7509.2 -38399.2 -3.89
5160 -8313.8 -41569.2 -2912.9 -8182.9 -41700.2 -3.58
5164 -8547.7 -42738.7 -3186.7 -8303.2 -42983.2 -4.82
5163 -7880.2 -39400.9 -3186.7 -7615.3 -39665.8 -5.22

NODE Vxx Vyy

MAX Cent 0.0 29748.4
5159 0.0 29165.5
5160 0.0 30331.3
5164 0.0 30331.3
5163 0.0 29165.5
MIN Cent -0.0 -8668.5
5159 -0.0 -8481.5
5160 -0.0 -8855.5
5164 0.0 -8855.5
5163 0.0 -8481.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2225 3 3 env SL~1 MAX Cent 5135359.4 -448676.6 540102.3 5136465.0 -483909.7 0.79

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

5160 5135359.4 -543576.9 540102.3 5136439.2 -577321.6 0.77
5161 5135359.4 -353776.3 540102.3 5136492.2 -390632.7 0.81
5165 5135359.4 -353776.3 540102.3 5136492.2 -390632.7 0.81
5164 5135359.4 -543576.9 540102.3 5136439.2 -577321.6 0.77
MIN Cent -1234890.3 -695987.5 79163.5 -492509.7 -1277785.8 78.40
5160 -1234890.3 -843668.1 79163.5 -607351.9 -1285404.5 76.35
5161 -1234890.3 -548306.8 79163.5 -376181.0 -1271995.5 79.94
5165 -1234890.3 -548306.8 79163.5 -376181.0 -1271995.5 79.94
5164 -1234890.3 -843668.1 79163.5 -607351.9 -1285404.5 76.35

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -5694.9 -28474.4 311.9 -5447.6 -28721.8 -5.92
5160 -5034.4 -25171.8 379.3 -4576.2 -25248.5 -8.48
5161 -4580.7 -22903.6 379.3 -4079.4 -23404.9 -9.27
5165 -6125.8 -30629.2 232.9 -5888.1 -30866.9 -5.60
5164 -5764.3 -28821.7 232.9 -5512.0 -29074.1 -5.94
MIN Cent -7777.8 -38889.2 -3402.4 -7566.3 -39100.8 -4.70
5160 -8313.8 -41569.2 -3456.9 -8108.7 -41774.4 -4.48
5161 -7762.1 -38810.3 -3456.9 -7542.5 -39029.8 -4.79
5165 -8971.5 -44857.3 -3380.3 -8711.5 -45117.2 -4.85
5164 -8547.7 -42738.7 -3380.3 -8275.1 -43011.3 -5.08

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 34118.5
5160 -0.0 30331.3
5161 -0.0 37905.7
5165 0.0 37905.7
5164 0.0 30331.3
MIN Cent -0.0 -5248.9
5160 -0.0 -8855.5
5161 -0.0 -1642.3
5165 -0.0 -1642.3
5164 -0.0 -8855.5

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2226 3 3 env SL~1 MAX Cent 5288662.2 109060.0 234230.5 5290982.0 106740.1 -1.21
5161 5288662.2 -335549.7 234230.5 5290737.8 -346956.9 -1.08
5118 5288662.2 719096.9 234230.5 5291291.4 716467.6 -1.37
5117 5288662.2 719096.9 234230.5 5291291.4 716467.6 -1.37
5165 5288662.2 -335549.7 234230.5 5290737.8 -346956.9 -1.08
MIN Cent -1165332.7 -175994.2 -111491.2 -170774.1 -1173189.5 85.86
5161 -1165332.7 -516650.7 -111491.2 -382671.1 -1175469.7 84.79
5118 -1165332.7 27556.2 -111491.2 31892.6 -1171657.0 86.56
5117 -1165332.7 27556.2 -111491.2 31892.6 -1171657.0 86.56
5165 -1165332.7 -516650.7 -111491.2 -382671.1 -1175469.7 84.79

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-5720.2	-28600.9	290.6	-5499.3	-28821.8	-5.58
5161	-4580.7	-22903.6	335.0	-4117.1	-23367.2	-8.93
5118	-4087.3	-20436.6	335.0	-3570.9	-20953.1	-9.93
5117	-6103.9	-30519.3	232.6	-5899.7	-30723.4	-5.20
5165	-6125.8	-30629.2	232.6	-5922.4	-30832.6	-5.19
MIN Cent	-7430.3	-37151.5	-3271.8	-7220.3	-37361.5	-4.79
5161	-7762.1	-38810.3	-3414.4	-7538.2	-39034.1	-4.84
5118	-6870.6	-34353.1	-3414.4	-6618.2	-34605.5	-5.45
5117	-8914.8	-44574.1	-3149.0	-8692.1	-44796.9	-4.51
5165	-8971.5	-44857.3	-3149.0	-8750.1	-45078.6	-4.48

NODE	Vxx	Vyy
MAX Cent	0.0	39790.9
5161	0.0	37905.7
5118	0.0	41676.2
5117	-0.0	41676.2
5165	-0.0	37905.7
MIN Cent	0.0	922.7
5161	-0.0	-1642.3
5118	-0.0	3487.6
5117	-0.0	3487.6
5165	-0.0	-1642.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2227	3	3	env SL~1	MAX Cent	5167616.5	-331757.7	992281.8	5216777.3	-424457.3	5.36
				5162	5167616.5	-231303.8	992281.8	5218223.6	-328483.6	5.51
				5163	5167616.5	-432211.7	992281.8	5215409.0	-520810.4	5.21
				5167	5167616.5	-432211.7	992281.8	5215409.0	-520810.4	5.21
				5166	5167616.5	-231303.8	992281.8	5218223.6	-328483.6	5.51
				MIN Cent	-1215710.2	-529844.4	235903.2	-355583.0	-1310442.0	73.83
				5162	-1215710.2	-361694.6	235903.2	-252142.0	-1300769.6	75.49
				5163	-1215710.2	-697994.1	235903.2	-457109.5	-1322209.3	71.80
				5167	-1215710.2	-697994.1	235903.2	-457109.5	-1322209.3	71.80
				5166	-1215710.2	-361694.6	235903.2	-252142.0	-1300769.6	75.49

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-5330.8	-26654.0	-190.6	-4995.2	-26989.6	-7.10
5162	-4533.0	-22665.2	5.8	-4186.6	-23011.6	-7.80
5163	-5219.3	-26096.4	5.8	-4917.0	-26398.6	-6.81
5167	-6187.8	-30939.2	-391.6	-5860.2	-31266.8	-6.52
5166	-5383.1	-26915.3	-391.6	-5008.0	-27290.4	-7.45
MIN Cent	-9397.3	-46986.3	-3590.4	-9092.8	-47290.8	-5.12
5162	-6963.9	-34819.3	-3369.2	-6609.3	-35173.9	-6.40

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5163 -7852.0 -39259.8 -3369.2 -7536.6 -39575.1 -5.69
 5167 -12008.4 -60041.9 -3815.2 -11733.5 -60316.7 -4.31
 5166 -10764.9 -53824.3 -3815.2 -10458.7 -54130.4 -4.80

NODE Vxx Vyy

MAX Cent 0.0 34348.5

5162 0.0 32814.3
 5163 0.0 35882.7
 5167 0.0 35882.7
 5166 0.0 32814.3

MIN Cent -0.0 7850.0

5162 -0.0 7338.3
 5163 -0.0 8361.6
 5167 -0.0 8361.6
 5166 -0.0 7338.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2228 3 3 env SL~1 MAX Cent 5127300.5 -469217.3 781720.1 5145348.3 -529960.3 3.34

5163 5127300.5 -437710.1 781720.1 5145470.1 -499327.0 3.36
 5164 5127300.5 -500724.6 781720.1 5145227.9 -560617.4 3.32
 5168 5127300.5 -500724.6 781720.1 5145227.9 -560617.4 3.32
 5167 5127300.5 -437710.1 781720.1 5145470.1 -499327.0 3.36

MIN Cent -1245176.7 -742305.1 192003.2 -518417.9 -1319923.2 74.38

5163 -1245176.7 -706492.6 192003.2 -490296.9 -1317157.0 74.94
 5164 -1245176.7 -778117.6 192003.2 -546381.8 -1322878.3 73.79
 5168 -1245176.7 -778117.6 192003.2 -546381.8 -1322878.3 73.79
 5167 -1245176.7 -706492.6 192003.2 -490296.9 -1317157.0 74.94

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -5989.1 -29945.7 -178.7 -5697.8 -30237.1 -6.26

5163 -5219.3 -26096.4 -18.4 -4917.2 -26398.4 -6.81
 5164 -5780.5 -28902.6 -18.4 -5507.1 -29176.0 -6.17
 5168 -6769.0 -33844.8 -342.5 -6485.1 -34128.7 -5.82
 5167 -6187.8 -30939.2 -342.5 -5877.9 -31249.1 -6.35

MIN Cent -10349.7 -51748.6 -3575.7 -10079.5 -52018.9 -4.60

5163 -7852.0 -39259.8 -3426.1 -7535.0 -39576.8 -5.71
 5164 -8566.0 -42830.0 -3426.1 -8275.0 -43121.0 -5.24
 5168 -12972.6 -64862.8 -3727.4 -12730.8 -65104.5 -3.90
 5167 -12008.4 -60041.9 -3727.4 -11747.5 -60302.8 -4.20

NODE Vxx Vyy

MAX Cent -0.0 36962.5

5163 0.0 35882.7
 5164 0.0 38042.4

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

5168 -0.0 38042.4
5167 -0.0 35882.7
MIN Cent -0.0 8447.5
5163 0.0 8361.6
5164 0.0 8533.3
5168 -0.0 8533.3
5167 -0.0 8361.6

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2229 3 3 env SL~1 MAX Cent 5151039.6 -402316.6 513043.9 5152233.4 -432659.0 0.83
5164 5151039.6 -498048.6 513043.9 5152203.3 -527071.0 0.81
5165 5151039.6 -306584.6 513043.9 5152265.1 -338370.8 0.85
5169 5151039.6 -306584.6 513043.9 5152265.1 -338370.8 0.85
5168 5151039.6 -498048.6 513043.9 5152203.3 -527071.0 0.81
MIN Cent -1228761.2 -615885.0 81927.3 -470438.2 -1260594.8 80.18
5164 -1228761.2 -773060.8 81927.3 -575806.5 -1265724.9 78.64
5165 -1228761.2 -458709.3 81927.3 -364196.2 -1256594.7 81.37
5169 -1228761.2 -458709.3 81927.3 -364196.2 -1256594.7 81.37
5168 -1228761.2 -773060.8 81927.3 -575806.5 -1265724.9 78.64

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -6464.4 -32322.1 -180.9 -6178.2 -32608.3 -5.97
5164 -5780.5 -28902.6 -62.0 -5479.8 -29203.3 -6.46
5165 -6049.9 -30249.3 -62.0 -5762.2 -30536.9 -6.19
5169 -7258.4 -36291.8 -303.4 -6986.0 -36564.2 -5.51
5168 -6769.0 -33844.8 -303.4 -6477.3 -34136.5 -5.89
MIN Cent -11063.3 -55316.7 -3708.6 -10792.4 -55587.6 -4.46
5164 -8566.0 -42830.0 -3640.9 -8241.3 -43154.6 -5.53
5165 -8877.6 -44388.1 -3640.9 -8564.2 -44701.6 -5.34
5169 -13837.2 -69185.8 -3791.3 -13601.9 -69421.1 -3.72
5168 -12972.6 -64862.8 -3791.3 -12721.7 -65113.7 -3.97

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 40429.2
5164 -0.0 38042.4
5165 -0.0 42816.1
5169 0.0 42816.1
5168 0.0 38042.4
MIN Cent 0.0 9483.2
5164 -0.0 8533.3
5165 -0.0 10433.1
5169 0.0 10433.1
5168 0.0 8533.3

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2230	3	3	env SL~1	MAX Cent	5287175.3	101625.7	265856.0	5287363.8	101437.3	-0.35
				5165	5287175.3	-289385.7	265856.0	5287346.7	-304554.9	-0.31
				5117	5287175.3	617973.6	265856.0	5287384.6	617764.3	-0.38
				5116	5287175.3	617973.6	265856.0	5287384.6	617764.3	-0.38
				5169	5287175.3	-289385.7	265856.0	5287346.7	-304554.9	-0.31
				MIN Cent	-1155710.4	-127882.6	-32436.2	-122755.1	-1162464.7	85.97
				5165	-1155710.4	-430587.3	-32436.2	-362737.4	-1164992.2	84.80
				5117	-1155710.4	105356.7	-32436.2	109542.8	-1160845.0	86.71
				5116	-1155710.4	105356.7	-32436.2	109542.8	-1160845.0	86.71
				5169	-1155710.4	-430587.3	-32436.2	-362737.4	-1164992.2	84.80
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	-6773.8	-33868.9	-157.8	-6538.3	-34104.4	-5.30
				5165	-6049.9	-30249.3	-66.5	-5798.8	-30500.3	-5.79
				5117	-6434.8	-32173.9	-66.5	-6198.5	-32410.2	-5.45
				5116	-7352.2	-36760.8	-250.4	-7126.6	-36986.4	-4.99
				5169	-7258.4	-36291.8	-250.4	-7029.9	-36520.2	-5.05
				MIN Cent	-11553.0	-57765.2	-3453.4	-11330.8	-57987.4	-3.96
				5165	-8877.6	-44388.1	-3421.7	-8605.3	-44660.4	-4.99
				5117	-9328.7	-46643.4	-3421.7	-9069.3	-46902.8	-4.75
				5116	-14168.7	-70843.5	-3475.5	-13977.4	-71034.8	-3.32
				5169	-13837.2	-69185.8	-3475.5	-13641.3	-69381.6	-3.40
				NODE	Vxx	Vyy				
				MAX Cent	-0.0	42300.2				
				5165	-0.0	42816.1				
				5117	-0.0	41784.4				
				5116	0.0	41784.4				
				5169	0.0	42816.1				
				MIN Cent	-0.0	9176.5				
				5165	-0.0	10433.1				
				5117	-0.0	7919.8				
				5116	0.0	7919.8				
				5169	0.0	10433.1				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2231	3	3	env SL~1	MAX Cent	5178155.4	-305597.0	880158.6	5215122.5	-372455.1	4.68
				5166	5178155.4	-211193.3	880158.6	5216186.5	-281190.6	4.81
				5167	5178155.4	-400000.8	880158.6	5214114.7	-463981.2	4.56
				5171	5178155.4	-400000.8	880158.6	5214114.7	-463981.2	4.56
				5170	5178155.4	-211193.3	880158.6	5216186.5	-281190.6	4.81
				MIN Cent	-1211949.7	-477058.9	170034.9	-370874.2	-1266830.1	77.97
				5166	-1211949.7	-314192.3	170034.9	-272826.1	-1261243.5	79.19

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5167 -1211949.7 -639925.5 170034.9 -467927.3 -1273642.1 76.45
 5171 -1211949.7 -639925.5 170034.9 -467927.3 -1273642.1 76.45
 5170 -1211949.7 -314192.3 170034.9 -272826.1 -1261243.5 79.19

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -6385.5 -31927.7 -959.5 -5964.0 -32349.2 -7.26
 5166 -5469.6 -27347.9 -714.6 -5033.9 -27783.5 -7.95
 5167 -6164.8 -30824.2 -714.6 -5776.7 -31212.3 -7.10
 5171 -7478.7 -37393.7 -1219.0 -7072.0 -37800.4 -6.61
 5170 -6429.0 -32145.0 -1219.0 -5958.1 -32615.9 -7.64
 MIN Cent -13580.1 -67900.5 -4378.1 -13229.5 -68251.1 -4.58
 5166 -10877.0 -54385.1 -4106.8 -10499.6 -54762.5 -5.30
 5167 -11978.3 -59891.7 -4106.8 -11635.1 -60234.9 -4.82
 5171 -16600.4 -83002.1 -4710.1 -16268.0 -83334.6 -4.04
 5170 -14864.6 -74323.1 -4710.1 -14493.8 -74693.9 -4.50

NODE Vxx Vyy

MAX Cent 0.0 37164.2
 5166 0.0 34425.4
 5167 0.0 39902.9
 5171 0.0 39902.9
 5170 0.0 34425.4
 MIN Cent -0.0 9812.9
 5166 -0.0 8282.8
 5167 -0.0 11343.0
 5171 0.0 11343.0
 5170 0.0 8282.8

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2232 3 3 env SL~1 MAX Cent 5139664.1 -432171.6 686305.3 5152876.3 -476068.9 2.88
 5167 5139664.1 -405063.8 686305.3 5152957.1 -449519.6 2.90
 5168 5139664.1 -459279.4 686305.3 5152796.3 -502631.8 2.87
 5172 5139664.1 -459279.4 686305.3 5152796.3 -502631.8 2.87
 5171 5139664.1 -405063.8 686305.3 5152957.1 -449519.6 2.90
 MIN Cent -1238808.9 -679762.1 139382.7 -513292.3 -1281240.7 78.49
 5167 -1238808.9 -648033.6 139382.7 -487440.5 -1279729.9 78.88
 5168 -1238808.9 -711490.6 139382.7 -539070.9 -1282850.1 78.08
 5172 -1238808.9 -711490.6 139382.7 -539070.9 -1282850.1 78.08
 5171 -1238808.9 -648033.6 139382.7 -487440.5 -1279729.9 78.88

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -7151.0 -35755.0 -860.7 -6798.8 -36107.2 -6.29
 5167 -6164.8 -30824.2 -673.9 -5794.2 -31194.8 -6.94
 5168 -6793.9 -33969.6 -673.9 -6456.7 -34306.8 -6.32

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5172 -8166.5 -40832.6 -1052.5 -7827.9 -41171.2 -5.78
5171 -7478.7 -37393.7 -1052.5 -7109.7 -37762.7 -6.30
MIN Cent -14873.6 -74368.0 -4243.3 -14572.5 -74669.1 -4.06
5167 -11978.3 -59891.7 -4031.1 -11649.2 -60220.8 -4.72
5168 -13003.2 -65015.9 -4031.1 -12699.6 -65319.4 -4.36
5172 -17912.5 -89562.4 -4512.4 -17629.4 -89845.5 -3.59
5171 -16600.4 -83002.1 -4512.4 -16295.2 -83307.4 -3.87

```

```

NODE   Vxx   Vyy
-----
MAX Cent -0.0 41142.7
5167   -0.0 39902.9
5168   -0.0 42382.5
5172    0.0 42382.5
5171    0.0 39902.9
MIN Cent -0.0 11596.4
5167   -0.0 11343.0
5168   -0.0 11849.8
5172    0.0 11849.8
5171    0.0 11343.0

```

```

ELEM MAT SEC  LC  NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
2233  3   3 env SL~1 MAX Cent 5163091.9 -365528.2 449215.2 5163918.3 -388499.3 0.69
5168 5163091.9 -456613.7 449215.2 5163898.0 -478612.6 0.67
5169 5163091.9 -274442.7 449215.2 5163939.6 -298474.9 0.71
5173 5163091.9 -274442.7 449215.2 5163939.6 -298474.9 0.71
5172 5163091.9 -456613.7 449215.2 5163898.0 -478612.6 0.67
MIN Cent -1223580.6 -554413.2 67585.4 -454033.0 -1242459.4 82.54
5168 -1223580.6 -706476.6 67585.4 -552088.2 -1245413.0 81.46
5169 -1223580.6 -402349.7 67585.4 -355548.0 -1240114.7 83.38
5173 -1223580.6 -402349.7 67585.4 -355548.0 -1240114.7 83.38
5172 -1223580.6 -706476.6 67585.4 -552088.2 -1245413.0 81.46

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent -7675.9 -38379.7 -760.5 -7349.9 -38705.7 -5.85
5168 -6793.9 -33969.6 -644.7 -6446.4 -34317.1 -6.41
5169 -7172.3 -35861.7 -644.7 -6842.7 -36191.3 -6.08
5173 -8570.9 -42854.7 -871.6 -8262.0 -43163.7 -5.40
5172 -8166.5 -40832.6 -871.6 -7842.5 -41156.6 -5.66
MIN Cent -15899.5 -79497.6 -4255.2 -15616.1 -79781.1 -3.81
5168 -13003.2 -65015.9 -4108.7 -12687.9 -65331.2 -4.44
5169 -13727.6 -68638.0 -4108.7 -13428.8 -68936.8 -4.21
5173 -18954.9 -94774.3 -4460.5 -18693.3 -95035.8 -3.36
5172 -17912.5 -89562.4 -4460.5 -17635.9 -89839.0 -3.55

```

```

NODE   Vxx   Vyy

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  0.0  43755.0
  5168  0.0  42382.5
  5169  0.0  45127.5
  5173  0.0  45127.5
  5172  0.0  42382.5
MIN Cent  0.0  11962.1
  5168  0.0  11849.8
  5169  0.0  12074.3
  5173 -0.0  12074.3
  5172 -0.0  11849.8

```

```

ELEM  MAT  SEC   LC   NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
2234   3    3  env SL~1 MAX Cent 5286371.3 125151.6 267926.1 5286605.1 97560.4  0.43
      5169 5286371.3 -258055.7 267926.1 5286580.9 -274515.8  0.40
      5116 5286371.3 612682.1 267926.1 5286634.0 558781.3  0.48
      5115 5286371.3 612682.1 267926.1 5286634.0 558781.3  0.48
      5173 5286371.3 -258055.7 267926.1 5286580.9 -274515.8  0.40
MIN Cent -1147989.2 -89276.7 14305.9 -84495.1 -1153270.7 86.16
      5169 -1147989.2 -376860.9 14305.9 -345691.4 -1155805.4 84.97
      5116 -1147989.2 166268.1 14305.9 170126.0 -1151847.1 86.90
      5115 -1147989.2 166268.1 14305.9 170126.0 -1151847.1 86.90
      5173 -1147989.2 -376860.9 14305.9 -345691.4 -1155805.4 84.97

```

```

      NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent -7992.5 -39962.6 -676.6 -7727.1 -40228.0 -5.18
      5169 -7172.3 -35861.7 -597.6 -6890.3 -36143.7 -5.64
      5116 -7730.2 -38650.9 -597.6 -7468.1 -38913.0 -5.24
      5115 -8496.6 -42482.9 -742.9 -8239.4 -42740.1 -4.95
      5173 -8570.9 -42854.7 -742.9 -8315.9 -43109.7 -4.91
MIN Cent -16660.2 -83301.0 -3907.0 -16431.9 -83529.3 -3.34
      5169 -13727.6 -68638.0 -3801.0 -13472.4 -68893.2 -3.89
      5116 -14655.0 -73275.1 -3801.0 -14415.8 -73514.3 -3.65
      5115 -19303.3 -96516.5 -4040.1 -19092.5 -96727.4 -2.99
      5173 -18954.9 -94774.3 -4040.1 -18740.2 -94989.0 -3.04

```

```

      NODE   Vxx   Vyy
-----
MAX Cent -0.0  42628.2
      5169  0.0  45127.5
      5116  0.0  40129.0
      5115  0.0  40129.0
      5173  0.0  45127.5
MIN Cent -0.0  9345.4
      5169 -0.0  12074.3
      5116 -0.0  6616.4
      5115 -0.0  6616.4

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5173 -0.0 12074.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2235 3 3 env SL~1 MAX Cent 5186767.9 -282915.6 736831.1 5211400.2 -325004.9 3.85
 5170 5186767.9 -196088.0 736831.1 5212060.1 -240052.1 3.95
 5171 5186767.9 -369743.3 736831.1 5210772.6 -410108.1 3.76
 5175 5186767.9 -369743.3 736831.1 5210772.6 -410108.1 3.76
 5174 5186767.9 -196088.0 736831.1 5212060.1 -240052.1 3.95
 MIN Cent -1208344.3 -434147.0 100226.0 -377727.8 -1230784.5 82.78
 5170 -1208344.3 -295246.2 100226.0 -283282.0 -1228339.1 83.51
 5171 -1208344.3 -584666.1 100226.0 -471831.6 -1233777.0 81.87
 5175 -1208344.3 -584666.1 100226.0 -471831.6 -1233777.0 81.87
 5174 -1208344.3 -295246.2 100226.0 -283282.0 -1228339.1 83.51

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -7826.5 -39132.4 -1952.1 -7304.6 -39654.3 -7.30
 5170 -6531.8 -32658.8 -1569.1 -5992.5 -33198.0 -8.09
 5171 -7455.3 -37276.3 -1569.1 -6980.6 -37750.9 -7.13
 5175 -9521.8 -47608.8 -2373.4 -9022.4 -48108.1 -6.49
 5174 -7797.2 -38985.8 -2373.4 -7191.1 -39591.9 -7.86
 MIN Cent -18226.0 -91130.0 -5743.5 -17776.3 -91579.8 -4.48
 5170 -15006.8 -75034.1 -5290.3 -14544.1 -75496.8 -5.00
 5171 -16566.2 -82831.0 -5290.3 -16146.5 -83250.7 -4.54
 5175 -21983.7 -109918.3 -6237.2 -21543.5 -110358.5 -4.04
 5174 -19347.4 -96736.9 -6237.2 -18847.9 -97236.3 -4.58

NODE Vxx Vyy

MAX Cent 0.0 42121.0
 5170 0.0 37472.4
 5171 0.0 46769.5
 5175 0.0 46769.5
 5174 0.0 37472.4
 MIN Cent -0.0 14382.3
 5170 -0.0 10924.4
 5171 -0.0 17840.2
 5175 0.0 17840.2
 5174 0.0 10924.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2236 3 3 env SL~1 MAX Cent 5151332.6 -398185.1 557993.8 5159299.3 -425449.0 2.28
 5171 5151332.6 -374354.1 557993.8 5159345.6 -401931.3 2.29
 5172 5151332.6 -422016.2 557993.8 5159253.5 -448973.6 2.27
 5176 5151332.6 -422016.2 557993.8 5159253.5 -448973.6 2.27

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5175 5151332.6 -374354.1 557993.8 5159345.6 -401931.3 2.29
MIN Cent -1233451.6 -621086.6 81883.1 -506079.4 -1249482.0 83.15
5171 -1233451.6 -592143.7 81883.1 -481711.6 -1248855.9 83.37
5172 -1233451.6 -650029.4 81883.1 -530424.1 -1250147.6 82.91
5176 -1233451.6 -650029.4 81883.1 -530424.1 -1250147.6 82.91
5175 -1233451.6 -592143.7 81883.1 -481711.6 -1248855.9 83.37

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -8897.3 -44486.3 -1655.2 -8492.1 -44891.5 -6.06
5171 -7455.3 -37276.3 -1421.7 -7018.1 -37713.5 -6.85
5172 -8203.0 -41014.9 -1421.7 -7804.7 -41413.2 -6.25
5176 -10409.1 -52045.3 -1898.1 -10027.1 -52427.2 -5.45
5175 -9521.8 -47608.8 -1898.1 -9105.0 -48025.6 -5.94
MIN Cent -20053.7 -100268.7 -5453.0 -19684.8 -100637.7 -3.87
5171 -16566.2 -82831.0 -5107.6 -16174.8 -83222.3 -4.38
5172 -17959.6 -89797.8 -5107.6 -17598.2 -90159.1 -4.05
5176 -23705.6 -118527.8 -5810.6 -23350.8 -118882.6 -3.49
5175 -21983.7 -109918.3 -5810.6 -21601.4 -110300.6 -3.76

```

```

NODE Vxx Vyy
-----
MAX Cent -0.0 48187.7
5171 0.0 46769.5
5172 0.0 49605.9
5176 -0.0 49605.9
5175 -0.0 46769.5
MIN Cent -0.0 18442.8
5171 0.0 17840.2
5172 0.0 19045.3
5176 -0.0 19045.3
5175 -0.0 17840.2

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2237 3 3 env SL~1 MAX Cent 5172446.1 -336386.1 347556.3 5172723.5 -350877.5 0.40
5172 5172446.1 -419544.2 347556.3 5172717.3 -433463.0 0.39
5173 5172446.1 -253228.0 347556.3 5172730.0 -268340.9 0.41
5177 5172446.1 -253228.0 347556.3 5172730.0 -268340.9 0.41
5176 5172446.1 -419544.2 347556.3 5172717.3 -433463.0 0.39
MIN Cent -1219390.9 -506881.6 38530.7 -441119.3 -1226201.2 85.34
5172 -1219390.9 -645461.2 38530.7 -532630.8 -1227465.8 84.72
5173 -1219390.9 -368302.0 38530.7 -349463.7 -1225181.5 85.83
5177 -1219390.9 -368302.0 38530.7 -349463.7 -1225181.5 85.83
5176 -1219390.9 -645461.2 38530.7 -532630.8 -1227465.8 84.72

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent -9338.4 -46692.0 -1290.3 -8993.6 -47036.8 -5.46
  5172 -8203.0 -41014.9 -1266.4 -7816.3 -41401.5 -6.16
  5173 -8473.1 -42365.4 -1266.4 -8098.4 -42740.0 -5.97
  5177 -10268.5 -51342.4 -1288.3 -9953.2 -51657.7 -4.99
  5176 -10409.1 -52045.3 -1288.3 -10098.0 -52356.3 -4.92
MIN Cent -21216.2 -106081.0 -5253.0 -20892.3 -106404.9 -3.53
  5172 -17959.6 -89797.8 -5076.3 -17602.6 -90154.7 -4.02
  5173 -18820.1 -94100.5 -5076.3 -18479.3 -94441.3 -3.84
  5177 -24379.6 -121898.0 -5422.6 -24079.0 -122198.6 -3.17
  5176 -23705.6 -118527.8 -5422.6 -23396.5 -118836.9 -3.26

```

```

NODE   Vxx   Vyy
-----
MAX Cent -0.0 48800.7
  5172   0.0 49605.9
  5173   0.0 47995.6
  5177  -0.0 47995.6
  5176   0.0 49605.9
MIN Cent -0.0 17272.6
  5172  -0.0 19045.3
  5173  -0.0 15499.9
  5177  -0.0 15499.9
  5176  -0.0 19045.3

```

```

ELEM MAT SEC  LC  NODE   Fxx   Fyy   Fxy   Fmax   Fmin  ANGLE
-----
2238  3   3 env SL~1 MAX Cent 5285199.8 181859.4 240645.0 5285940.1 145980.1 0.68
  5173 5285199.8 -237686.0 240645.0 5285884.3 -253127.1 0.63
  5115 5285199.8 692087.0 240645.0 5286005.8 640364.9 0.74
  5114 5285199.8 692087.0 240645.0 5286005.8 640364.9 0.74
  5177 5285199.8 -237686.0 240645.0 5285884.3 -253127.1 0.63
MIN Cent -1142610.3 -62382.4 38552.1 -58100.2 -1146892.6 86.40
  5173 -1142610.3 -345046.7 38552.1 -332934.3 -1148540.4 85.27
  5115 -1142610.3 207461.2 38552.1 210892.4 -1146041.5 87.12
  5114 -1142610.3 207461.2 38552.1 210892.4 -1146041.5 87.12
  5177 -1142610.3 -345046.7 38552.1 -332934.3 -1148540.4 85.27

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin  ANGLE
-----
MAX Cent -9280.5 -46402.3 -1106.3 -8994.3 -46688.5 -5.00
  5173 -8473.1 -42365.4 -1147.4 -8156.9 -42681.6 -5.49
  5115 -8927.2 -44635.8 -1147.4 -8626.8 -44936.1 -5.22
  5114 -9453.2 -47265.8 -1021.5 -9183.0 -47535.9 -4.81
  5177 -10268.5 -51342.4 -1021.5 -10019.6 -51591.4 -4.44
MIN Cent -21788.6 -108943.0 -4779.6 -21527.3 -109204.3 -3.13
  5173 -18820.1 -94100.5 -4668.0 -18531.8 -94388.9 -3.53
  5115 -19900.5 -99502.7 -4668.0 -19627.7 -99775.5 -3.34
  5114 -24054.2 -120270.8 -4838.4 -23811.5 -120513.5 -2.87
  5177 -24379.6 -121898.0 -4838.4 -24140.1 -122137.4 -2.83

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	-0.0	41927.1
5173	-0.0	47995.6
5115	-0.0	35858.6
5114	0.0	35858.6
5177	0.0	47995.6
MIN Cent	-0.0	10020.4
5173	-0.0	15499.9
5115	-0.0	4541.0
5114	0.0	4541.0
5177	0.0	15499.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2239	3	3	env SL~1	MAX Cent	5194030.4	-262879.3	556179.7	5207513.4	-283499.8	2.88
				5174	5194030.4	-184190.6	556179.7	5207839.9	-205666.2	2.95
				5175	5194030.4	-341568.1	556179.7	5207201.3	-361398.2	2.82
				5179	5194030.4	-341568.1	556179.7	5207201.3	-361398.2	2.82
				5178	5194030.4	-184190.6	556179.7	5207839.9	-205666.2	2.95
				MIN Cent	-1204981.2	-398260.7	25692.1	-373375.0	-1206387.2	88.16
				5174	-1204981.2	-282566.9	25692.1	-281790.5	-1205912.1	88.34
				5175	-1204981.2	-533030.7	25692.1	-464938.4	-1206968.9	87.93
				5179	-1204981.2	-533030.7	25692.1	-464938.4	-1206968.9	87.93
				5178	-1204981.2	-282566.9	25692.1	-281790.5	-1205912.1	88.34

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-10247.1	-51235.4	-3495.8	-9590.4	-51892.1	-7.16
5174	-7917.2	-39585.9	-2723.8	-7240.1	-40263.0	-8.23
5175	-9503.6	-47517.8	-2723.8	-8935.9	-48085.4	-6.92
5179	-13596.0	-67980.2	-4374.6	-12972.7	-68603.6	-6.08
5178	-9971.6	-49857.9	-4374.6	-9129.7	-50699.8	-8.18
MIN Cent	-23561.3	-117806.6	-7716.1	-22933.8	-118434.1	-4.65
5174	-19527.2	-97635.9	-6962.5	-18911.4	-98251.7	-5.05
5175	-21948.5	-109742.4	-6962.5	-21399.8	-110291.1	-4.51
5179	-28697.0	-143485.0	-8552.5	-28063.3	-144118.7	-4.24
5178	-24072.6	-120363.0	-8552.5	-23318.9	-121116.7	-5.04

NODE	Vxx	Vyy

MAX Cent	0.0	48750.8
5174	0.0	39241.0
5175	0.0	58260.5
5179	-0.0	58260.5
5178	-0.0	39241.0
MIN Cent	-0.0	26533.3

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5174 0.0 17735.8
5175 0.0 35330.8
5179 -0.0 35330.8
5178 -0.0 17735.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2240	3	3	env SL~1	MAX Cent	5162133.5	-367426.6	390305.1	5165356.0	-380038.7	1.52
				5175	5162133.5	-345750.0	390305.1	5165375.6	-358497.3	1.53
				5176	5162133.5	-389103.2	390305.1	5165336.6	-401582.9	1.52
				5180	5162133.5	-389103.2	390305.1	5165336.6	-401582.9	1.52
				5179	5162133.5	-345750.0	390305.1	5165375.6	-358497.3	1.53
				MIN Cent	-1228994.6	-567139.7	19325.2	-493640.5	-1229658.0	88.28
				5175	-1228994.6	-539785.9	19325.2	-470066.8	-1229637.4	88.33
				5176	-1228994.6	-594493.6	19325.2	-517212.8	-1229679.9	88.22
				5180	-1228994.6	-594493.6	19325.2	-517212.8	-1229679.9	88.22
				5179	-1228994.6	-539785.9	19325.2	-470066.8	-1229637.4	88.33

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
------	-----	-----	-----	------	------	-------

MAX Cent	-12128.7	-60643.6	-2639.0	-11698.7	-61073.6	-5.35
5175	-9503.6	-47517.8	-2302.7	-9015.8	-48005.6	-6.42
5176	-10469.0	-52345.0	-2302.7	-10025.2	-52788.8	-5.85
5180	-14946.3	-74731.5	-2999.0	-14554.4	-75123.4	-4.61
5179	-13596.0	-67980.2	-2999.0	-13165.8	-68410.4	-5.06
MIN Cent	-26349.1	-131745.4	-7029.4	-25882.3	-132212.2	-3.80
5175	-21948.5	-109742.4	-6574.3	-21458.9	-110232.0	-4.26
5176	-23784.0	-118920.0	-6574.3	-23331.8	-119372.1	-3.93
5180	-30966.9	-154834.4	-7500.8	-30514.3	-155287.0	-3.45
5179	-28697.0	-143485.0	-7500.8	-28208.9	-143973.0	-3.72

NODE	Vxx	Vyy
------	-----	-----

MAX Cent	-0.0	60135.6
5175	-0.0	58260.5
5176	-0.0	62010.6
5180	0.0	62010.6
5179	0.0	58260.5
MIN Cent	-0.0	36991.9
5175	-0.0	35330.8
5176	-0.0	38652.9
5180	0.0	38652.9
5179	0.0	35330.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2241	3	3	env SL~1	MAX Cent	5179791.3	-313220.0	201316.6	5179795.3	-319560.9	-0.05

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5176 5179791.3 -386935.0 201316.6 5179795.3 -393049.1 -0.05
5177 5179791.3 -239505.0 201316.6 5179795.4 -246090.2 -0.05
5181 5179791.3 -239505.0 201316.6 5179795.4 -246090.2 -0.05
5180 5179791.3 -386935.0 201316.6 5179795.3 -393049.1 -0.05
MIN Cent -1216174.5 -469810.7 -6879.7 -429730.7 -1216647.1 88.60
5176 -1216174.5 -590600.5 -6879.7 -514804.2 -1216704.4 88.43
5177 -1216174.5 -349020.9 -6879.7 -344646.1 -1216601.0 88.73
5181 -1216174.5 -349020.9 -6879.7 -344646.1 -1216601.0 88.73
5180 -1216174.5 -590600.5 -6879.7 -514804.2 -1216704.4 88.43

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -12123.8 -60619.0 -1460.1 -11832.9 -60909.9 -4.42
5176 -10469.0 -52345.0 -1771.8 -10090.6 -52723.4 -5.41
5177 -10165.2 -50826.0 -1771.8 -9775.7 -51215.5 -5.56
5181 -12914.7 -64573.5 -1041.0 -12682.5 -64805.7 -3.83
5180 -14946.3 -74731.5 -1041.0 -14745.4 -74932.4 -3.31
MIN Cent -27156.9 -135784.7 -6183.2 -26806.1 -136135.5 -3.25
5176 -23784.0 -118920.0 -6249.0 -23375.3 -119328.7 -3.74
5177 -24219.7 -121098.5 -6249.0 -23818.3 -121499.9 -3.68
5181 -29657.2 -148285.9 -6051.7 -29349.3 -148593.8 -2.91
5180 -30966.9 -154834.4 -6051.7 -30671.9 -155129.4 -2.79

```

NODE Vxx Vyy

```

MAX Cent -0.0 54476.4
5176 -0.0 62010.6
5177 -0.0 46942.2
5181 0.0 46942.2
5180 0.0 62010.6
MIN Cent -0.0 31194.8
5176 -0.0 38652.9
5177 -0.0 23736.7
5181 -0.0 23736.7
5180 -0.0 38652.9

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2242 3 3 env SL~1 MAX Cent 5281643.4 201488.5 174427.8 5282403.1 182252.5 0.69
5177 5281643.4 -225073.2 174427.8 5282350.6 -237238.7 0.64
5114 5281643.4 706421.5 174427.8 5282464.1 678393.8 0.75
5113 5281643.4 706421.5 174427.8 5282464.1 678393.8 0.75
5181 5281643.4 -225073.2 174427.8 5282350.6 -237238.7 0.64
MIN Cent -1140005.4 -49357.8 42758.8 -45873.5 -1143489.7 86.77
5177 -1140005.4 -329585.1 42758.8 -325221.4 -1144650.9 85.81
5114 -1140005.4 225298.1 42758.8 228084.7 -1142792.0 87.42
5113 -1140005.4 225298.1 42758.8 228084.7 -1142792.0 87.42
5181 -1140005.4 -329585.1 42758.8 -325221.4 -1144650.9 85.81

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-10659.9	-53299.3	-1041.6	-10410.7	-53548.5	-4.36
5177	-10165.2	-50826.0	-1527.0	-9847.3	-51143.9	-5.03
5114	-9910.9	-49554.5	-1527.0	-9584.9	-49880.5	-5.16
5113	-9648.6	-48243.1	-385.9	-9444.4	-48447.4	-4.15
5181	-12914.7	-64573.5	-385.9	-12761.7	-64726.5	-3.11
MIN Cent	-26318.4	-131591.9	-5474.7	-26034.4	-131875.8	-2.97
5177	-24219.7	-121098.5	-5687.5	-23886.9	-121431.2	-3.35
5114	-24764.7	-123823.4	-5687.5	-24439.2	-124148.9	-3.28
5113	-26631.9	-133159.7	-5127.7	-26385.7	-133406.0	-2.75
5181	-29657.2	-148285.9	-5127.7	-29435.9	-148507.1	-2.47

NODE	Vxx	Vyy

MAX Cent	0.0	31531.3
5177	0.0	46942.2
5114	0.0	16120.3
5113	0.0	16120.3
5181	0.0	46942.2
MIN Cent	-0.0	10736.2
5177	0.0	23736.7
5114	0.0	-2264.3
5113	-0.0	-2264.3
5181	-0.0	23736.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2243	3	3	env SL~1	MAX Cent	5200387.4	-244901.5	324290.8	5205000.2	-249952.9	1.73
				5178	5200387.4	-174661.9	324290.8	5205101.6	-179904.0	1.77
				5179	5200387.4	-315141.2	324290.8	5204902.7	-320015.1	1.70
				5183	5200387.4	-315141.2	324290.8	5204902.7	-320015.1	1.70
				5182	5200387.4	-174661.9	324290.8	5205101.6	-179904.0	1.77
				MIN Cent	-1201919.7	-367229.7	-58530.3	-354885.0	-1205964.2	-86.05
				5178	-1201919.7	-270041.1	-58530.3	-266379.3	-1205581.6	-86.42
				5179	-1201919.7	-484999.1	-58530.3	-443301.9	-1206435.6	-85.59
				5183	-1201919.7	-484999.1	-58530.3	-443301.9	-1206435.6	-85.59
				5182	-1201919.7	-270041.1	-58530.3	-266379.3	-1205581.6	-86.42

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-15205.3	-76026.4	-6519.6	-14311.2	-76920.5	-6.86
5178	-10109.1	-50545.5	-4640.3	-9208.4	-51446.1	-8.40
5179	-13603.0	-68015.2	-4640.3	-12927.2	-68691.1	-6.32
5183	-23161.9	-115809.4	-8655.3	-22301.5	-116669.8	-5.48
5182	-13947.1	-69735.6	-8655.3	-12540.4	-71142.3	-8.91
MIN Cent	-29376.6	-146883.0	-10890.8	-28375.7	-147883.8	-5.25
5178	-24294.9	-121474.5	-9390.5	-23395.8	-122373.6	-5.47

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5179 -28677.8 -143389.1 -9390.5 -27914.2 -144152.7 -4.65
 5183 -37176.8 -185884.2 -12595.6 -36117.5 -186943.5 -4.81
 5182 -27356.8 -136784.1 -12595.6 -25925.7 -138215.2 -6.48

NODE Vxx Vyy

 MAX Cent 0.0 96495.9

5178 0.0 58663.3
 5179 0.0 134328.4
 5183 0.0 134328.4
 5182 0.0 58663.3

MIN Cent -0.0 49903.3

5178 -0.0 26433.7
 5179 -0.0 73372.9
 5183 -0.0 73372.9
 5182 -0.0 26433.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

 2244 3 3 env SL~1 MAX Cent 5171987.5 -340034.1 168996.8 5172156.7 -342337.5 0.31

5179 5171987.5 -318946.5 168996.8 5172157.5 -321274.5 0.32
 5180 5171987.5 -361121.7 168996.8 5172155.9 -363401.1 0.31
 5184 5171987.5 -361121.7 168996.8 5172155.9 -363401.1 0.31
 5183 5171987.5 -318946.5 168996.8 5172157.5 -321274.5 0.32

MIN Cent -1225386.5 -518316.6 -52768.2 -472849.0 -1228801.0 -86.15

5179 -1225386.5 -491042.6 -52768.2 -449200.6 -1228697.0 -86.26
 5180 -1225386.5 -545590.6 -52768.2 -496490.7 -1228911.8 -86.02
 5184 -1225386.5 -545590.6 -52768.2 -496490.7 -1228911.8 -86.02
 5183 -1225386.5 -491042.6 -52768.2 -449200.6 -1228697.0 -86.26

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent -19398.8 -96994.1 -4038.4 -18989.6 -97403.2 -4.14

5179 -13603.0 -68015.2 -3432.9 -13108.3 -68510.0 -5.42
 5180 -15066.0 -75330.2 -3432.9 -14618.5 -75777.6 -4.91
 5184 -25764.3 -128821.4 -4710.8 -25401.0 -129184.7 -3.39
 5183 -23161.9 -115809.4 -4710.8 -22758.1 -116213.2 -3.77

MIN Cent -34334.2 -171670.9 -9069.6 -33737.8 -172267.3 -3.76

5179 -28677.8 -143389.1 -8448.7 -28058.9 -144008.0 -4.19
 5180 -31118.5 -155592.5 -8448.7 -30547.7 -156163.3 -3.87
 5184 -40363.6 -201818.0 -9718.6 -39780.7 -202400.9 -3.43
 5183 -37176.8 -185884.2 -9718.6 -36544.4 -186516.7 -3.72

NODE Vxx Vyy

 MAX Cent 0.0 142701.1

5179 0.0 134328.4
 5180 0.0 151073.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5184  0.0 151073.7
5183  0.0 134328.4
MIN Cent  -0.0 76593.4
5179  0.0 73372.9
5180  0.0 79813.9
5184  -0.0 79813.9
5183  -0.0 73372.9
    
```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2245  3 3 env SL~1 MAX Cent 5185791.0 -293973.2 36982.1 5186618.9 -294671.2 -0.70
5180 5185791.0 -359279.2 36982.1 5186605.2 -359954.7 -0.69
5181 5185791.0 -228667.2 36982.1 5186633.0 -229389.2 -0.71
5185 5185791.0 -228667.2 36982.1 5186633.0 -229389.2 -0.71
5184 5185791.0 -359279.2 36982.1 5186605.2 -359954.7 -0.69
MIN Cent -1213791.4 -439840.9 -73498.8 -416873.2 -1215205.8 -87.59
5180 -1213791.4 -542451.5 -73498.8 -496126.2 -1215362.0 -87.32
5181 -1213791.4 -338878.4 -73498.8 -337592.0 -1215077.9 -87.81
5185 -1213791.4 -338878.4 -73498.8 -337592.0 -1215077.9 -87.81
5184 -1213791.4 -542451.5 -73498.8 -496126.2 -1215362.0 -87.32
    
```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -17853.6 -89267.8 -255.5 -17731.0 -89390.4 -2.37
5180 -15066.0 -75330.2 -1721.0 -14800.6 -75595.6 -3.79
5181 -12835.5 -64177.5 -1721.0 -12524.4 -64488.6 -4.44
5185 -17748.4 -88742.0 1514.8 -17707.9 -88782.5 -1.37
5184 -25764.3 -128821.4 1514.8 -25736.4 -128849.3 -0.94
MIN Cent -33273.5 -166367.5 -6206.0 -32984.7 -166656.3 -2.66
5180 -31118.5 -155592.5 -7195.1 -30704.0 -156007.0 -3.30
5181 -29498.5 -147492.4 -7195.1 -29061.4 -147929.6 -3.48
5185 -32113.4 -160567.2 -4967.7 -31921.6 -160759.0 -2.21
5184 -40363.6 -201818.0 -4967.7 -40210.9 -201970.7 -1.76
    
```

```

NODE Vxx Vyy
-----
MAX Cent  0.0 116094.8
5180  0.0 151073.7
5181  0.0 81115.8
5185  0.0 81115.8
5184  0.0 151073.7
MIN Cent  -0.0 51194.5
5180  -0.0 79813.9
5181  -0.0 22575.2
5185  -0.0 22575.2
5184  -0.0 79813.9
    
```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2246	3	3	env SL~1	MAX Cent	5273956.5	165458.4	114979.4	5274212.6	164053.7	0.40
				5181	5273956.5	-215899.2	114979.4	5274197.1	-222674.2	0.38
				5113	5273956.5	606865.0	114979.4	5274230.2	604922.7	0.43
				5112	5273956.5	606865.0	114979.4	5274230.2	604922.7	0.43
				5185	5273956.5	-215899.2	114979.4	5274197.1	-222674.2	0.38
				MIN Cent	-1140769.7	-53179.2	22319.9	-51075.5	-1142873.3	87.48
				5181	-1140769.7	-324074.1	22319.9	-321691.9	-1143550.5	86.91
				5113	-1140769.7	212871.1	22319.9	214562.4	-1142461.0	87.98
				5112	-1140769.7	212871.1	22319.9	214562.4	-1142461.0	87.98
				5185	-1140769.7	-324074.1	22319.9	-321691.9	-1143550.5	86.91
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	-11810.7	-59053.6	902.6	-11727.6	-59136.7	-2.40
				5181	-12835.5	-64177.5	-1135.9	-12611.5	-64401.5	-3.77
				5113	-10024.8	-50124.0	-1135.9	-9738.8	-50410.0	-4.81
				5112	-6634.1	-33170.7	3358.1	-6631.7	-33173.1	-0.55
				5185	-17748.4	-88742.0	3358.1	-17747.5	-88742.9	-0.21
				MIN Cent	-27244.3	-136221.4	-4908.2	-27023.7	-136442.0	-2.57
				5181	-29498.5	-147492.4	-6328.2	-29160.1	-147830.8	-3.06
				5113	-27361.7	-136808.5	-6328.2	-26997.0	-137173.2	-3.30
				5112	-20003.5	-100017.3	-3113.1	-19882.5	-100138.2	-2.22
				5185	-32113.4	-160567.2	-3113.1	-32038.0	-160642.6	-1.39
				NODE	Vxx	Vyy				
				MAX Cent	0.0	33267.4				
				5181	0.0	81115.8				
				5113	0.0	-13542.8				
				5112	0.0	-13542.8				
				5185	0.0	81115.8				
				MIN Cent	0.0	-20474.6				
				5181	-0.0	22575.2				
				5113	-0.0	-63524.4				
				5112	-0.0	-63524.4				
				5185	-0.0	22575.2				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2247	3	3	env SL~1	MAX Cent	5206251.3	-228454.4	30329.8	5206281.1	-228784.4	0.13
				5182	5206251.3	-167459.2	30329.8	5206281.6	-167800.2	0.14
				5183	5206251.3	-289449.5	30329.8	5206280.6	-289769.4	0.13
				5187	5206251.3	-289449.5	30329.8	5206280.6	-289769.4	0.13
				5186	5206251.3	-167459.2	30329.8	5206281.6	-167800.2	0.14
				MIN Cent	-1199183.1	-345246.5	-158099.3	-317409.2	-1227020.4	-79.92
				5182	-1199183.1	-258626.6	-158099.3	-233215.6	-1224594.1	-80.79

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5183 -1199183.1 -439790.2 -158099.3 -401109.5 -1229940.0 -78.89
 5187 -1199183.1 -439790.2 -158099.3 -401109.5 -1229940.0 -78.89
 5186 -1199183.1 -258626.6 -158099.3 -233215.6 -1224594.1 -80.79

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -26832.6 -134163.1 -12646.0 -25362.8 -135632.9 -6.63
 5182 -14101.0 -70505.0 -8584.3 -12702.0 -71904.0 -8.84
 5183 -23256.5 -116282.3 -8584.3 -22395.1 -117143.6 -5.47
 5187 -46964.2 -234820.8 -16934.3 -44610.5 -237174.4 -6.35
 5186 -21968.3 -109841.7 -16934.3 -17468.4 -112992.2 -12.72
 MIN Cent -41821.3 -209106.6 -17748.1 -40543.2 -210384.7 -4.98
 5182 -27617.0 -138084.8 -13410.0 -26012.4 -139689.4 -6.82
 5183 -37232.1 -186160.3 -13410.0 -36034.2 -187358.2 -5.10
 5187 -77330.3 -386651.3 -24486.7 -75869.7 -388111.9 -3.92
 5186 -37035.0 -185175.2 -24486.7 -34031.7 -188178.5 -8.02

NODE Vxx Vyy

MAX Cent 0.0 265231.5
 5182 0.0 152041.7
 5183 0.0 378421.3
 5187 0.0 378421.3
 5186 0.0 152041.7
 MIN Cent -0.0 18814.9
 5182 -0.0 -46388.4
 5183 -0.0 84018.1
 5187 0.0 84018.1
 5186 0.0 -46388.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2248 3 3 env SL~1 MAX Cent 5180781.9 -316466.9 -47698.9 5181926.0 -317617.2 -0.82
 5183 5180781.9 -292970.0 -47698.9 5181932.2 -294134.1 -0.82
 5184 5180781.9 -339963.7 -47698.9 5181919.8 -341100.5 -0.81
 5188 5180781.9 -339963.7 -47698.9 5181919.8 -341100.5 -0.81
 5187 5180781.9 -292970.0 -47698.9 5181932.2 -294134.1 -0.82
 MIN Cent -1222662.8 -475181.8 -140890.6 -438698.5 -1246609.4 -80.09
 5183 -1222662.8 -445234.9 -140890.6 -413365.3 -1245859.8 -80.39
 5184 -1222662.8 -505128.6 -140890.6 -463983.2 -1247407.5 -79.76
 5188 -1222662.8 -505128.6 -140890.6 -463983.2 -1247407.5 -79.76
 5187 -1222662.8 -445234.9 -140890.6 -413365.3 -1245859.8 -80.39

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -37896.5 -189482.4 -6509.7 -37532.0 -189846.9 -2.80
 5183 -23256.5 -116282.3 -5134.5 -22806.6 -116732.1 -3.97
 5184 -26050.5 -130252.5 -5134.5 -25648.5 -130654.5 -3.55

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5188 -52166.1 -260830.4 -8083.5 -51381.7 -261614.8 -3.50
5187 -46964.2 -234820.8 -8083.5 -46093.6 -235691.4 -3.89
MIN Cent -58926.5 -294632.3 -11806.3 -58733.6 -294825.1 -1.64
5183 -37232.1 -186160.3 -10859.7 -36444.4 -186948.1 -4.15
5184 -40707.2 -203535.8 -10859.7 -39986.1 -204256.9 -3.80
5188 -87249.5 -436247.3 -12817.9 -87045.5 -436451.2 -1.38
5187 -77330.3 -386651.3 -12817.9 -77100.2 -386881.3 -1.56

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 403397.1
5183 0.0 378421.3
5184 0.0 428372.8
5188 0.0 428372.8
5187 0.0 378421.3
MIN Cent -0.0 91472.0
5183 -0.0 84018.1
5184 -0.0 98926.0
5188 0.0 98926.0
5187 0.0 84018.1

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2249 3 3 env SL~1 MAX Cent 5191305.6 -275425.8 -62309.1 5195787.9 -277420.9 -1.63
5184 5191305.6 -338322.1 -62309.1 5195723.2 -340254.8 -1.61
5185 5191305.6 -212529.4 -62309.1 5195854.6 -214591.1 -1.65
5189 5191305.6 -212529.4 -62309.1 5195854.6 -214591.1 -1.65
5188 5191305.6 -338322.1 -62309.1 5195723.2 -340254.8 -1.61
MIN Cent -1211880.4 -412602.9 -286407.8 -396365.7 -1224247.6 -82.98
5184 -1211880.4 -502625.5 -286407.8 -472922.9 -1225528.9 -82.26
5185 -1211880.4 -330894.5 -286407.8 -319591.4 -1223183.5 -83.58
5189 -1211880.4 -330894.5 -286407.8 -319591.4 -1223183.5 -83.58
5188 -1211880.4 -502625.5 -286407.8 -472922.9 -1225528.9 -82.26

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -31492.2 -157460.9 5257.2 -31484.8 -157468.3 0.44
5184 -26050.5 -130252.5 326.3 -25985.4 -130317.6 -1.43
5185 -17801.1 -89005.3 326.3 -17705.9 -89100.5 -2.09
5189 -21867.4 -109337.1 11133.2 -21818.2 -109386.3 1.36
5188 -52166.1 -260830.4 11133.2 -52145.5 -260851.1 0.57
MIN Cent -50467.6 -252337.8 -2725.5 -50330.7 -252474.6 1.49
5184 -40707.2 -203535.8 -6711.1 -40431.0 -203811.9 -2.36
5185 -32072.7 -160363.3 -6711.1 -31722.5 -160713.4 -2.99
5189 -50741.7 -253708.7 2075.0 -50132.9 -254317.6 3.13
5188 -87249.5 -436247.3 2075.0 -86894.7 -436602.1 1.83

```

```

NODE Vxx Vyy

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  0.0 319908.6
  5184  0.0 428372.8
  5185  0.0 211444.4
  5189  0.0 211444.4
  5188  0.0 428372.8
MIN Cent  -0.0 5411.6
  5184 -0.0 98926.0
  5185 -0.0 -88102.7
  5189 -0.0 -88102.7
  5188 -0.0 98926.0

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2250 3 3 env SL~1 MAX Cent 5259865.0 47357.8 43225.3 5260044.6 28297.3 -0.33
  5185 5259865.0 -202411.6 43225.3 5260036.4 -203383.4 -0.32
  5112 5259865.0 316603.5 43225.3 5260053.6 294023.6 -0.35
  5111 5259865.0 316603.5 43225.3 5260053.6 294023.6 -0.35
  5189 5259865.0 -202411.6 43225.3 5260036.4 -203383.4 -0.32
MIN Cent -1145891.4 -78787.7 -180262.0 -78498.3 -1146180.7 89.06
  5185 -1145891.4 -317603.9 -180262.0 -317454.5 -1146262.5 89.23
  5112 -1145891.4 152509.3 -180262.0 152568.1 -1146128.5 89.61
  5111 -1145891.4 152509.3 -180262.0 152568.1 -1146128.5 89.61
  5189 -1145891.4 -317603.9 -180262.0 -317454.5 -1146262.5 89.23

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -10987.3 -54936.7 8857.6 -10701.9 -55222.1 4.59
  5185 -17801.1 -89005.3 1932.9 -17776.6 -89029.8 -1.06
  5112 -6554.8 -32773.8 1932.9 -6488.4 -32840.2 -2.88
  5111 19590.4 97952.2 17076.2 98566.8 18975.8 84.96
  5189 -21867.4 -109337.1 17076.2 -21315.9 -109888.6 4.53
MIN Cent -21719.7 -108598.7 407.3 -20825.9 -109492.5 5.76
  5185 -32072.7 -160363.3 -5034.3 -31875.4 -160560.5 -2.24
  5112 -20348.5 -101742.7 -5034.3 -20038.4 -102052.9 -3.53
  5111 -236.2 -1181.2 6967.3 15791.3 -17208.8 44.18
  5189 -50741.7 -253708.7 6967.3 -49315.1 -255135.4 4.78

```

```

NODE Vxx Vyy
-----

```

```

-----
MAX Cent  0.0 65019.4
  5185  0.0 211444.4
  5112  0.0 -79942.8
  5111  0.0 -79942.8
  5189  0.0 211444.4
MIN Cent  -0.0 -216449.9
  5185 -0.0 -88102.7
  5112 -0.0 -344797.0
  5111  0.0 -344797.0

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5189 0.0 -88102.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2251	3	3	env SL~1	MAX Cent	5395740.7	178279.3	340529.4	5396375.5	177809.8	0.63
				5190	5489100.9	408573.7	340529.4	5489752.9	407921.8	0.65
				5191	5489100.9	-43112.0	340529.4	5489698.5	-43394.7	0.59
				5197	5302506.0	-43112.0	340529.4	5302999.1	-43404.0	0.62
				5196	5302506.0	408573.7	340529.4	5303057.4	407896.9	0.67
				MIN Cent	-1075241.3	-136590.2	32883.7	-39628.8	-1176640.8	73.04
				5190	-993156.1	-1314.6	32883.7	112943.0	-1084923.3	74.06
				5191	-993156.1	-296675.1	32883.7	-173028.1	-1118166.9	68.94
				5197	-1157451.9	-296675.1	32883.7	-191390.5	-1274071.9	71.89
				5196	-1157451.9	-1314.6	32883.7	101970.4	-1245384.4	75.92
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	92553.4	478793.0	6750.0	492913.1	78433.3	-79.36
				5190	21047.3	69639.3	-6614.6	70185.3	-9119.9	-85.31
				5191	60878.0	238400.1	5276.0	238556.7	60721.4	88.30
				5197	333714.3	1668571.6	13253.6	1669966.3	332319.7	-88.15
				5196	286702.3	1433511.3	1099.9	1436172.5	284041.0	-87.25
				MIN Cent	-11135.5	-40204.9	-77530.3	-10482.1	-40945.6	8.43
				5190	-25360.2	-647626.2	-73233.7	-17105.3	-655806.8	-6.53
				5191	-231852.7	-557825.1	-61661.5	-220520.9	-568492.8	-10.41
				5197	-42567.2	-212836.0	-44936.7	-41795.8	-213607.4	3.84
				5196	-47585.5	-237927.6	-56498.7	-47585.2	-237927.9	-0.07
				NODE	Vxx	Vyy				
				MAX Cent	45325.1	642175.8				
				5190	90650.3	523336.1				
				5191	90650.3	761015.4				
				5197	0.0	761015.4				
				5196	0.0	523336.1				
				MIN Cent	-7790.8	-3700912.2				
				5190	-15581.6	-3617495.8				
				5191	-15581.6	-3784328.6				
				5197	0.0	-3784328.6				
				5196	0.0	-3617495.8				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2252	3	3	env SL~1	MAX Cent	5151268.1	-257921.9	197723.3	5152507.1	-259119.1	0.87
				5191	5087340.1	-90932.4	197723.3	5088634.4	-92226.7	0.91
				5192	5087340.1	-403896.1	197723.3	5088555.9	-403955.6	0.85
				5198	5215265.8	-403896.1	197723.3	5216414.0	-403954.6	0.82

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5197 5215265.8 -90932.4 197723.3 5216486.1 -92195.5 0.87
MIN Cent -1207454.8 -455228.6 -10998.1 -396858.4 -1254624.4 76.79
5191 -1196467.5 -324698.0 -10998.1 -283909.9 -1236402.2 78.62
5192 -1196467.5 -623933.0 -10998.1 -508362.8 -1250580.6 73.90
5198 -1219145.8 -623933.0 -10998.1 -510271.7 -1274295.9 74.41
5197 -1219145.8 -324698.0 -10998.1 -284759.7 -1260904.2 78.87

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

MAX Cent 146869.4 737270.5 -29868.6 753943.6 130196.3 -80.59
5191 101602.2 243634.1 -34726.2 251592.0 79617.9 -77.60
5192 51972.0 479132.4 -30096.4 481583.1 49670.1 -85.69
5198 408594.8 2042974.2 -13428.0 2045277.1 406291.8 -87.85
5197 333714.3 1668571.6 -18058.1 1671544.2 330741.7 -87.30
MIN Cent 19769.9 105132.5 -102447.7 115107.1 9384.1 -72.08
5191 48828.6 -501993.1 -93652.8 63490.6 -517013.9 -9.19
5192 -209664.8 -281835.1 -91471.9 -148077.0 -340567.0 -33.53
5198 -13974.5 -69872.5 -62003.7 -10916.1 -72930.9 -12.83
5197 -42567.2 -212836.0 -64184.5 -40417.1 -215153.2 -6.29

```

```

NODE Vxx Vyy

```

```

MAX Cent 60924.1 852284.5
5191 121848.2 761015.4
5192 121848.2 943637.7
5198 0.0 943637.7
5197 0.0 761015.4
MIN Cent 15482.3 -3859627.2
5191 30964.6 -3784328.6
5192 30964.6 -3936983.6
5198 0.0 -3936983.6
5197 0.0 -3784328.6

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

2253 3 3 env SL~1 MAX Cent 5039399.5 -527148.9 357158.0 5060578.2 -529602.8 3.50
5192 4931871.9 -420620.2 357158.0 4954066.6 -423277.4 3.67
5193 4931871.9 -633677.7 357158.0 4952884.0 -636071.4 3.47
5199 5146927.1 -633677.7 357158.0 5167178.4 -635957.1 3.35
5198 5146927.1 -420620.2 357158.0 5168275.0 -423137.3 3.53
MIN Cent -1290643.5 -812263.9 71681.4 -669945.3 -1323883.8 76.92
5192 -1311804.3 -647550.9 71681.4 -554696.9 -1337446.7 79.19
5193 -1311804.3 -976976.9 71681.4 -785072.0 -1349531.6 74.64
5199 -1270825.7 -976976.9 71681.4 -782140.7 -1313374.0 73.56
5198 -1270825.7 -647550.9 71681.4 -553252.6 -1299802.1 78.64

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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MAX Cent 217562.8 1079549.4 -38585.1 1086374.1 210738.1 -84.94
  5192 156222.3 500171.5 -39384.3 505284.6 150849.6 -83.10
  5193 100979.4 769301.5 -42096.9 772337.6 97943.3 -86.15
  5199 469962.5 2349812.7 -22488.5 2351030.1 468745.1 -88.54
  5198 408594.8 2042974.2 -19775.9 2044032.0 407537.0 -88.54
MIN Cent 63432.3 313583.3 -77496.1 319430.4 57585.2 -81.41
  5192 62905.6 -227879.9 -72666.8 78699.6 -243713.3 -12.79
  5193 -81820.8 102485.7 -78877.7 129589.7 -108606.2 -70.29
  5199 20934.9 104674.5 -48278.6 110331.7 15267.8 -75.88
  5198 -13974.5 -69872.5 -42488.5 -7660.8 -76186.1 -17.67

```

NODE Vxx Vyy

```

MAX Cent 43487.9 1030798.5
  5192 86975.8 943637.7
  5193 86975.8 1120737.3
  5199 0.0 1120737.3
  5198 0.0 943637.7
MIN Cent 20083.9 -3867365.0
  5192 40167.8 -3936983.6
  5193 40167.8 -3797746.4
  5199 0.0 -3797746.4
  5198 0.0 -3936983.6

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2254 3 3 env SL~1 MAX Cent 4925001.8 -702188.9 742103.8 5015584.8 -726835.2 7.09
  5193 4751691.4 -649571.3 742103.8 4846095.1 -676000.0 7.38
  5194 4751691.4 -754806.6 742103.8 4843912.5 -779967.0 7.22
  5200 5098312.3 -754806.6 742103.8 5185367.5 -777893.4 6.81
  5199 5098312.3 -649571.3 742103.8 5187313.4 -673723.6 6.97
MIN Cent -1366138.5 -1100712.4 112753.4 -874419.8 -1398211.0 75.57
  5193 -1422222.7 -1001707.0 112753.4 -813411.6 -1446593.1 78.23
  5194 -1422222.7 -1199717.8 112753.4 -940776.9 -1453209.7 75.22
  5200 -1311521.4 -1199717.8 112753.4 -932026.0 -1353617.4 71.58
  5199 -1311521.4 -1001707.0 112753.4 -808025.1 -1343250.0 75.91

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 272386.9 1336484.4 -13314.2 1337089.5 271781.8 -88.63
  5193 179304.4 784966.5 -9775.7 785152.5 179118.4 -89.00
  5194 167482.9 892909.2 -19674.7 893530.1 166862.0 -88.32
  5200 492278.0 2461389.9 -12210.9 2461682.6 491985.2 -89.30
  5199 469962.5 2349812.7 -2311.9 2349824.6 469950.6 -89.86
MIN Cent 96180.7 467834.6 -33501.8 468311.0 95704.3 -87.95
  5193 61879.6 131161.0 -25859.9 135632.3 57408.3 -76.17
  5194 48560.4 323025.7 -42573.7 327853.5 43732.7 -82.51
  5200 33867.3 169336.5 -28308.5 170428.4 32775.4 -84.89
  5199 20934.9 104674.5 -11594.8 104738.3 20871.1 -88.42

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	16707.7	1158770.9
5193	33415.4	1120737.3
5194	33415.4	1196804.6
5200	-0.0	1196804.6
5199	-0.0	1120737.3
MIN Cent	6190.8	-3713796.2
5193	12381.6	-3797746.4
5194	12381.6	-3629846.0
5200	-0.0	-3629846.0
5199	-0.0	-3797746.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2255	3	3	env SL~1	MAX Cent	4678467.5	-775687.1	1513341.5	5038001.7	-934055.5	13.50
				5194	4330411.3	-773724.0	1513341.5	4725046.2	-905475.7	14.76
				5195	4330411.3	-642679.0	1513341.5	4695811.2	-980715.3	13.71
				5201	5026523.7	-642679.0	1513341.5	5356425.7	-964343.2	12.42
				5200	5026523.7	-773724.0	1513341.5	5380367.8	-888052.5	13.29
				MIN Cent	-1336134.3	-1257233.3	-15508.3	-831229.1	-1621711.5	89.99
				5194	-1376751.4	-1221521.7	-15508.3	-967949.7	-1424374.9	89.99
				5195	-1376751.4	-1495488.4	-15508.3	-694508.5	-1866512.2	90.00
				5201	-1296379.7	-1495488.4	-15508.3	-694508.5	-1830046.2	90.00
				5200	-1296379.7	-1221521.7	-15508.3	-967949.7	-1393295.3	89.99

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	257584.0	1260628.6	84328.0	1267668.8	250543.7	85.23
5194	137302.4	886873.1	89455.8	889140.1	135035.4	86.86
5195	184030.1	662612.4	68783.8	664888.6	178875.8	86.08
5201	430791.1	2153955.4	41151.9	2154937.6	429808.9	88.63
5200	492278.0	2461389.9	61823.9	2463329.1	490338.8	88.20
MIN Cent	85201.6	416140.5	32507.8	419303.5	82038.6	84.44
5194	-45902.9	304133.1	38379.1	324364.3	-66134.1	76.84
5195	123165.1	45948.4	30905.0	172139.5	10897.6	27.79
5201	4565.5	22827.7	14365.1	30718.2	-3324.9	61.22
5200	33867.3	169336.5	21839.2	172770.3	30433.6	81.06

NODE	Vxx	Vyy

MAX Cent	-16149.0	1121952.6
5194	-32298.1	1196804.6
5195	-32298.1	1047100.7
5201	0.0	1047100.7
5200	0.0	1196804.6
MIN Cent	-47829.0	-3637753.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5194 -95658.0 -3629846.0
 5195 -95658.0 -3645660.2
 5201 -0.0 -3645660.2
 5200 -0.0 -3629846.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2256	3	3	env SL~1	MAX Cent	3974243.0	196766.1	3174742.0	5771247.2	-655401.1	29.59

5195 2642282.7 -572529.3 3174742.0 4334548.6 -1115472.3 28.13
 5123 2642282.7 1992404.3 3174742.0 5502172.4 -289500.7 42.13
 5122 5306203.4 1992404.3 3174742.0 7227814.5 69996.3 31.23
 5201 5306203.4 -572529.3 3174742.0 6539211.9 -1263057.9 21.29
 MIN Cent -974603.6 -355759.5 -454229.7 -121956.0 -1623863.4 -62.46
 5195 -747921.5 -1634331.0 -454229.7 -236053.9 -3326340.0 -49.00
 5123 -747921.5 -99435.8 -454229.7 134373.1 -975849.3 -63.05
 5122 -1201285.7 -99435.8 -454229.7 63834.7 -1362115.3 -70.22
 5201 -1201285.7 -1634331.0 -454229.7 -381376.6 -2867904.3 -61.53

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 148528.7 777955.9 216248.3 845090.4 81394.1 72.75
 5195 111316.3 648645.3 184594.5 650449.5 109512.0 86.69
 5123 205888.0 195968.0 211342.4 278968.2 34157.5 19.07
 5122 260326.1 1301630.5 154470.1 1324061.8 237894.8 81.74
 5201 430791.1 2153955.4 127722.2 2163370.8 421375.7 85.78
 MIN Cent 32829.3 178221.6 20794.2 181137.2 29913.8 82.02
 5195 -304968.4 -42463.1 27744.0 49986.2 -397417.7 62.96
 5123 41026.4 -338289.2 38405.2 164261.9 -408552.1 24.13
 5122 -23512.9 -117564.5 13240.5 -21684.5 -119392.9 7.86
 5201 4565.5 22827.7 2579.4 23185.0 4208.2 82.11

NODE Vxx Vyy

MAX Cent -3433.8 786553.8
 5195 -6867.7 1047100.7
 5123 -6867.7 530764.4
 5122 -0.0 530764.4
 5201 -0.0 1047100.7
 MIN Cent -113363.5 -3280444.6
 5195 -226727.0 -3645660.2
 5123 -226727.0 -2918994.8
 5122 -0.0 -2918994.8
 5201 -0.0 -3645660.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2257	3	3	env SL~1	MAX Cent	5304329.1	187394.5	696310.6	5313481.3	182696.4	2.43

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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5196 5304329.1 446669.1 696310.6 5313959.8 439769.8 2.56
5197 5304329.1 -63360.8 696310.6 5313047.7 -67684.2 2.32
5203 5304329.1 -63360.8 696310.6 5313047.7 -67684.2 2.32
5202 5304329.1 446669.1 696310.6 5313959.8 439769.8 2.56
MIN Cent -1158070.5 -139683.5 149140.6 78204.3 -1412450.6 67.65
5196 -1158070.5 -23467.8 149140.6 178494.1 -1393780.3 68.76
5197 -1158070.5 -257701.9 149140.6 -22784.1 -1433735.5 65.65
5203 -1158070.5 -257701.9 149140.6 -22784.1 -1433735.5 65.65
5202 -1158070.5 -23467.8 149140.6 178494.1 -1393780.3 68.76

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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MAX Cent 200907.3 1004536.5 933.3 1004862.6 200581.2 -88.85
5196 281410.1 1407050.4 808.9 1407598.6 280861.9 -88.74
5197 336067.3 1680336.4 808.9 1680795.5 335608.2 -88.94
5203 102020.3 510101.7 1073.1 510295.1 101827.0 -88.75
5202 84131.5 420657.4 1073.1 420891.8 83897.1 -88.49
MIN Cent -30558.4 -152791.9 -17007.4 -30558.3 -152792.0 0.04
5196 -43816.2 -219080.8 -25824.6 -43815.9 -219081.0 -0.06
5197 -42377.5 -211887.3 -25824.6 -42377.2 -211887.6 -0.07
5203 -17540.6 -87703.2 -9563.5 -17539.1 -87704.7 0.27
5202 -18499.3 -92496.4 -9563.5 -18497.8 -92497.9 0.26

```

NODE Vxx Vyy

```

MAX Cent 0.0 1861836.8
5196 0.0 1703124.5
5197 0.0 2020549.0
5203 0.0 2020549.0
5202 0.0 1703124.5
MIN Cent -0.0 -218389.2
5196 0.0 -218563.0
5197 0.0 -218733.4
5203 0.0 -218733.4
5202 0.0 -218563.0

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2258 3 3 env SL~1 MAX Cent 5215526.3 -256619.1 706852.5 5232222.6 -268111.8 3.31
5197 5215526.3 -81138.0 706852.5 5232845.2 -93009.8 3.42
5198 5215526.3 -396573.5 706852.5 5231639.4 -418125.6 3.20
5204 5215526.3 -396573.5 706852.5 5231639.4 -418125.6 3.20
5203 5215526.3 -81138.0 706852.5 5232845.2 -93009.8 3.42
MIN Cent -1211516.8 -436890.2 212119.3 -109678.6 -1547541.3 62.79
5197 -1211516.8 -268277.2 212119.3 -973.0 -1519008.2 64.92
5198 -1211516.8 -609075.3 212119.3 -214054.6 -1580347.6 60.40
5204 -1211516.8 -609075.3 212119.3 -214054.6 -1580347.6 60.40
5203 -1211516.8 -268277.2 212119.3 -973.0 -1519008.2 64.92

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	242753.2	1213765.8	-6432.1	1214186.3	242332.7	-88.81
5197	336067.3	1680336.4	-10889.4	1681074.7	335328.9	-88.66
5198	407460.2	2037300.8	-10889.4	2037915.5	406845.5	-88.89
5204	125946.7	629733.5	-2540.4	629949.9	125730.3	-88.81
5203	102020.3	510101.7	-2540.4	510379.3	101742.8	-88.51
MIN Cent	-19930.1	-99650.7	-20756.4	-19376.7	-100314.6	-4.59
5197	-42377.5	-211887.3	-32210.4	-41601.8	-212744.6	-3.75
5198	-13583.6	-67918.0	-32210.4	-11482.5	-70019.1	-10.92
5204	-7674.0	-38370.1	-11888.0	-7288.5	-38755.6	-6.35
5203	-17540.6	-87703.2	-11888.0	-17389.6	-87854.2	-2.65

NODE	Vxx	Vyy
MAX Cent	-0.0	2225100.3
5197	0.0	2020549.0
5198	0.0	2430332.0
5204	-0.0	2430332.0
5203	-0.0	2020549.0
MIN Cent	-0.0	-135564.9
5197	0.0	-218733.4
5198	0.0	-53351.5
5204	-0.0	-53351.5
5203	-0.0	-218733.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2259	3	3	env SL~1	MAX Cent	5144089.1	-518814.3	563833.3	5151802.4	-530844.3	2.42
				5198	5144089.1	-406516.7	563833.3	5152118.0	-419205.4	2.50
				5199	5144089.1	-631111.9	563833.3	5151504.9	-642548.0	2.35
				5205	5144089.1	-631111.9	563833.3	5151504.9	-642548.0	2.35
				5204	5144089.1	-406516.7	563833.3	5152118.0	-419205.4	2.50
				MIN Cent	-1264718.4	-792805.0	160851.2	-372270.9	-1594811.5	60.44
				5198	-1264718.4	-623311.9	160851.2	-285224.5	-1566609.9	62.68
				5199	-1264718.4	-962298.2	160851.2	-455346.9	-1627739.4	57.97
				5205	-1264718.4	-962298.2	160851.2	-455346.9	-1627739.4	57.97
				5204	-1264718.4	-623311.9	160851.2	-285224.5	-1566609.9	62.68

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	287164.6	1435823.2	-7979.5	1436088.2	286899.6	-89.13
5198	407460.2	2037300.8	-13395.4	2037754.8	407006.1	-89.04
5199	468885.6	2344428.1	-13395.4	2344822.7	468491.0	-89.17
5205	146366.1	731830.5	-3234.5	731974.9	146221.6	-89.10
5204	125946.7	629733.5	-3234.5	629901.4	125778.8	-88.95
MIN Cent	846.3	4231.3	-19719.3	10749.2	-5682.6	-51.08
5198	-13583.6	-67918.0	-29219.0	-10460.6	-71040.9	-13.12

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5199 20390.1 101950.4 -29219.0 104104.7 18235.8 -80.89
5205 3902.6 19513.2 -11641.4 20255.4 3154.9 -77.97
5204 -7674.0 -38370.1 -11641.4 -7126.1 -38917.9 -7.54

NODE Vxx Vyy

MAX Cent 0.0 2607336.6
5198 0.0 2430332.0
5199 0.0 2784341.2
5205 0.0 2784341.2
5204 0.0 2430332.0
MIN Cent 0.0 43972.1
5198 0.0 -53351.5
5199 0.0 141295.8
5205 -0.0 141295.8
5204 -0.0 -53351.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2260 3 3 env SL~1 MAX Cent 5099468.7 -685189.4 412399.4 5100140.2 -686092.4 0.61
5199 5099468.7 -637766.9 412399.4 5100145.5 -638689.1 0.61
5200 5099468.7 -732611.9 412399.4 5100134.9 -733496.4 0.60
5206 5099468.7 -732611.9 412399.4 5100134.9 -733496.4 0.60
5205 5099468.7 -637766.9 412399.4 5100145.5 -638689.1 0.61
MIN Cent -1303917.1 -1066265.4 45300.8 -647493.6 -1544646.4 61.52
5199 -1303917.1 -973236.6 45300.8 -593109.0 -1526881.2 63.40
5200 -1303917.1 -1159294.2 45300.8 -699880.2 -1564579.2 59.46
5206 -1303917.1 -1159294.2 45300.8 -699880.2 -1564579.2 59.46
5205 -1303917.1 -973236.6 45300.8 -593109.0 -1526881.2 63.40

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 315073.9 1575369.5 -2321.9 1575413.8 315029.6 -89.66
5199 468885.6 2344428.1 -4374.1 2344492.8 468820.9 -89.66
5200 491108.3 2455541.4 -4374.1 2455603.3 491046.4 -89.68
5206 153935.6 769677.8 -550.2 769710.2 153903.2 -89.58
5205 146366.1 731830.5 -550.2 731864.5 146332.0 -89.56
MIN Cent 16185.4 80926.9 -10945.3 81025.0 16087.2 -87.77
5199 20390.1 101950.4 -14987.0 102191.8 20148.7 -86.89
5200 32385.0 161925.1 -14987.0 162077.3 32232.8 -88.04
5206 8063.7 40318.7 -7475.3 40343.2 8039.3 -88.42
5205 3902.6 19513.2 -7475.3 19563.7 3852.2 -86.75

NODE Vxx Vyy

MAX Cent 0.0 2847592.4
5199 -0.0 2784341.2
5200 -0.0 2910843.6

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5206 0.0 2910843.6
5205 0.0 2784341.2
MIN Cent -0.0 175548.4
5199 -0.0 141295.8
5200 -0.0 209801.0
5206 0.0 209801.0
5205 0.0 141295.8

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2261 3 3 env SL~1 MAX Cent 4994848.3 -670916.9 157397.3 5001667.4 -849603.6 -1.88
5200 4994848.3 -738697.1 157397.3 5002192.6 -751503.1 -2.02
5201 4994848.3 -464852.8 157397.3 5001212.3 -947744.8 -1.75
5207 4994848.3 -464852.8 157397.3 5001212.3 -947744.8 -1.75
5206 4994848.3 -738697.1 157397.3 5002192.6 -751503.1 -2.02
MIN Cent -1274843.6 -1412640.8 -227299.0 -689548.7 -1417774.6 77.56
5200 -1274843.6 -1166108.5 -227299.0 -884971.2 -1329739.4 71.66
5201 -1274843.6 -1862963.2 -227299.0 -487154.5 -1867759.9 80.70
5207 -1274843.6 -1862963.2 -227299.0 -487154.5 -1867759.9 80.70
5206 -1274843.6 -1166108.5 -227299.0 -884971.2 -1329739.4 71.66

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 299597.9 1497989.4 15810.8 1498197.9 299389.3 89.24
5200 491108.3 2455541.4 26758.2 2455905.8 490743.9 89.22
5201 421827.7 2109138.6 26758.2 2109562.9 421403.5 89.09
5207 131519.9 657599.6 6582.0 657681.9 131437.6 89.28
5206 153935.6 769677.8 6582.0 769748.2 153865.2 89.39
MIN Cent 11113.5 55567.7 7066.2 56763.3 9918.0 80.81
5200 32385.0 161925.1 11535.7 162979.3 31330.8 84.87
5201 4990.0 24949.9 11535.7 30373.5 -433.7 65.19
5207 -984.6 -4922.8 1501.0 1250.5 -7158.0 31.04
5206 8063.7 40318.7 1501.0 40741.0 7641.5 83.51

NODE Vxx Vyy

MAX Cent 0.0 2708549.1
5200 0.0 2910843.6
5201 0.0 2506254.5
5207 0.0 2506254.5
5206 0.0 2910843.6
MIN Cent -0.0 130599.1
5200 -0.0 209801.0
5201 -0.0 51397.2
5207 -0.0 51397.2
5206 -0.0 209801.0

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2262	3	3	env SL~1	MAX Cent	5362765.7	479577.6	72868.7	5694787.9	161387.1	-14.19
				5201	5362765.7	-452861.1	72868.7	5597865.8	-1054860.2	-10.18
				5122	5362765.7	2715422.3	72868.7	5905466.3	2196077.6	-22.41
				5121	5362765.7	2715422.3	72868.7	5905466.3	2196077.6	-22.41
				5207	5362765.7	-452861.1	72868.7	5597865.8	-1054860.2	-10.18
				MIN Cent	-1208068.9	-389675.5	-1321722.7	-387916.9	-1212606.9	87.35
				5201	-1208068.9	-1787907.3	-1321722.7	-493638.8	-2016486.8	85.08
				5122	-1208068.9	-290718.9	-1321722.7	-290013.4	-1211935.5	88.41
				5121	-1208068.9	-290718.9	-1321722.7	-290013.4	-1211935.5	88.41
				5207	-1208068.9	-1787907.3	-1321722.7	-493638.8	-2016486.8	85.08
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	228795.6	1143978.0	33452.1	1145199.1	227574.5	87.91
				5201	421827.7	2109138.6	56235.6	2111010.8	419955.6	88.09
				5122	279336.1	1396680.3	56235.6	1399503.5	276512.9	87.13
				5121	82498.7	412493.3	14096.3	413094.3	81897.6	87.56
				5207	131519.9	657599.6	14096.3	657977.0	131142.5	88.47
				MIN Cent	-7127.6	-35638.0	7148.9	-5377.7	-37388.0	13.52
				5201	4990.0	24949.9	11626.0	30291.9	-352.0	65.32
				5122	-22297.9	-111489.5	11626.0	-20807.4	-112980.0	7.31
				5121	-10426.9	-52134.3	3269.6	-10172.1	-52389.0	4.46
				5207	-984.6	-4922.8	3269.6	1140.9	-7048.3	30.63
				NODE	Vxx	Vyy				
				MAX Cent	-0.0	2102785.2				
				5201	-0.0	2506254.5				
				5122	-0.0	1699315.8				
				5121	0.0	1699315.8				
				5207	0.0	2506254.5				
				MIN Cent	-0.0	-26645.7				
				5201	-0.0	51397.2				
				5122	-0.0	-104688.5				
				5121	-0.0	-104688.5				
				5207	-0.0	51397.2				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2263	3	3	env SL~1	MAX Cent	5292120.1	126349.9	997178.7	5315586.8	110301.5	3.86
				5202	5292120.1	297215.5	997178.7	5316383.0	279014.9	3.99
				5203	5292120.1	-41196.3	997178.7	5314840.8	-56610.5	3.74
				5209	5292120.1	-41196.3	997178.7	5314840.8	-56610.5	3.74
				5208	5292120.1	297215.5	997178.7	5316383.0	279014.9	3.99
				MIN Cent	-1162149.3	-160077.1	228575.2	105072.8	-1473656.8	65.75
				5202	-1162149.3	-80907.1	228575.2	171015.5	-1458823.2	66.82

AUTOSTRADA VALDASTICO A31 NORD
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5203 -1162149.3 -240588.7 228575.2 36978.2 -1489727.0 64.41
 5209 -1162149.3 -240588.7 228575.2 36978.2 -1489727.0 64.41
 5208 -1162149.3 -80907.1 228575.2 171015.5 -1458823.2 66.82

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 59923.8 299618.8 1218.8 299809.7 59732.8 -88.38
 5202 83907.5 419537.3 1225.0 419815.1 83629.7 -88.35
 5203 102249.8 511249.0 1225.0 511477.0 102021.8 -88.65
 5209 29820.2 149100.9 1213.9 149238.4 29682.6 -88.06
 5208 23936.1 119680.5 1213.9 119851.7 23764.9 -87.58
 MIN Cent -11680.0 -58399.9 -7362.8 -11673.7 -58406.1 0.66
 5202 -17749.4 -88747.1 -10320.3 -17746.0 -88750.5 0.40
 5203 -17463.7 -87318.5 -10320.3 -17460.2 -87322.0 0.41
 5209 -5799.2 -28996.1 -5115.5 -5796.5 -28998.8 0.62
 5208 -5862.7 -29313.4 -5115.5 -5860.0 -29316.0 0.61

NODE Vxx Vyy

MAX Cent 0.0 572458.3
 5202 0.0 518565.0
 5203 0.0 626351.6
 5209 0.0 626351.6
 5208 0.0 518565.0
 MIN Cent 0.0 -102329.5
 5202 0.0 -103077.9
 5203 0.0 -101637.8
 5209 0.0 -101637.8
 5208 0.0 -103077.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2264 3 3 env SL~1 MAX Cent 5219999.8 -234251.7 998534.7 5256183.3 -262289.7 4.74
 5203 5219999.8 -55614.9 998534.7 5257477.7 -84592.1 4.90
 5204 5219999.8 -374029.3 998534.7 5254971.3 -415013.1 4.59
 5210 5219999.8 -374029.3 998534.7 5254971.3 -415013.1 4.59
 5209 5219999.8 -55614.9 998534.7 5257477.7 -84592.1 4.90
 MIN Cent -1206534.5 -403190.8 292587.7 -43590.7 -1589204.9 61.86
 5203 -1206534.5 -249329.4 292587.7 58815.9 -1559952.0 63.83
 5204 -1206534.5 -566070.6 292587.7 -142121.1 -1622289.5 59.70
 5210 -1206534.5 -566070.6 292587.7 -142121.1 -1622289.5 59.70
 5209 -1206534.5 -249329.4 292587.7 58815.9 -1559952.0 63.83

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 73827.9 369139.7 -1318.5 369342.3 73625.4 -88.50
 5203 102249.8 511249.0 -2860.8 511583.0 101915.8 -88.36
 5204 125843.3 629216.6 -2860.8 629479.5 125580.5 -88.69

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5210 37606.8 188033.8 -20.5 188171.6 37469.0 -88.27
5209 29820.2 149100.9 -20.5 149276.3 29644.8 -87.81
MIN Cent -8337.1 -41685.7 -8723.9 -8189.4 -41833.4 -3.80
5203 -17463.7 -87318.5 -12195.3 -17282.1 -87500.1 -2.91
5204 -7599.0 -37994.8 -12195.3 -7142.4 -38451.4 -6.94
5210 -2674.2 -13371.0 -5835.4 -2592.9 -13452.3 -4.96
5209 -5799.2 -28996.1 -5835.4 -5761.5 -29033.8 -2.31

```

NODE Vxx Vyy

```

MAX Cent -0.0 694129.8
5203 -0.0 626351.6
5204 -0.0 761908.1
5210 -0.0 761908.1
5209 -0.0 626351.6
MIN Cent -0.0 -72873.0
5203 -0.0 -101637.8
5204 -0.0 -44362.7
5210 -0.0 -44362.7
5209 -0.0 -101637.8

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2265 3 3 env SL~1 MAX Cent 5153458.0 -482349.4 857003.1 5177492.9 -510425.9 3.96
5204 5153458.0 -383357.8 857003.1 5178206.2 -412778.3 4.06
5205 5153458.0 -581341.0 857003.1 5176814.5 -608189.6 3.87
5211 5153458.0 -581341.0 857003.1 5176814.5 -608189.6 3.87
5210 5153458.0 -383357.8 857003.1 5178206.2 -412778.3 4.06
MIN Cent -1257203.6 -728425.4 244981.7 -291480.5 -1633103.3 59.64
5204 -1257203.6 -579080.0 244981.7 -210384.7 -1605005.6 61.62
5205 -1257203.6 -877770.8 244981.7 -369223.8 -1664607.5 57.50
5211 -1257203.6 -877770.8 244981.7 -369223.8 -1664607.5 57.50
5210 -1257203.6 -579080.0 244981.7 -210384.7 -1605005.6 61.62

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 88453.4 442266.8 -1801.9 442400.1 88320.0 -88.89
5204 125843.3 629216.6 -3658.8 629418.5 125641.5 -88.85
5205 146140.5 730702.3 -3658.8 730876.1 145966.7 -89.01
5211 44222.9 221114.5 -236.3 221212.2 44125.1 -88.65
5210 37606.8 188033.8 -236.3 188148.7 37491.8 -88.42
MIN Cent -1295.4 -6477.2 -8554.8 -353.1 -7625.5 -21.08
5204 -7599.0 -37994.8 -11829.2 -6938.4 -38655.4 -8.30
5205 3754.7 18773.3 -11829.2 19717.8 2784.6 -76.33
5211 1109.0 5544.9 -5765.7 5824.7 829.2 -76.31
5210 -2674.2 -13371.0 -5765.7 -2552.2 -13493.0 -6.06

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

-----
MAX Cent  0.0 820809.2
  5204   0.0 761908.1
  5205   0.0 879863.9
  5211   0.0 879863.9
  5210   0.0 761908.1
MIN Cent  -0.0 -11530.7
  5204  -0.0 -44362.7
  5205  -0.0  21178.4
  5211  -0.0  21178.4
  5210  -0.0 -44362.7

```

```

ELEM MAT SEC LC  NODE  Fxx  Fyy  Fxy  Fmax  Fmin  ANGLE
-----
2266  3   3 env SL~1 MAX Cent 5102350.4 -650407.4 597228.1 5110892.5 -658952.8  2.24
      5205 5102350.4 -588063.3 597228.1 5111055.2 -596851.0  2.28
      5206 5102350.4 -712751.4 597228.1 5110735.5 -721067.5  2.20
      5212 5102350.4 -712751.4 597228.1 5110735.5 -721067.5  2.20
      5211 5102350.4 -588063.3 597228.1 5111055.2 -596851.0  2.28
MIN Cent -1290825.9 -992419.8 138738.9 -535201.6 -1576820.1  60.12
      5205 -1290825.9 -888330.5 138738.9 -498475.9 -1563528.5  61.29
      5206 -1290825.9 -1096509.0 138738.9 -571056.9 -1591079.0  58.90
      5212 -1290825.9 -1096509.0 138738.9 -571056.9 -1591079.0  58.90
      5211 -1290825.9 -888330.5 138738.9 -498475.9 -1563528.5  61.29

```

```

      NODE  Mxx  Myy  Mxy  Mmax  Mmin  ANGLE
-----
MAX Cent  97594.9 487974.3  75.3 488006.6 97562.5 -89.48
      5205 146140.5 730702.3 -602.9 730740.2 146102.6 -89.54
      5206 153425.7 767128.3 -602.9 767164.3 153389.6 -89.56
      5212 46590.4 232952.1  644.1 232987.8 46554.7 -89.21
      5211 44222.9 221114.5  644.1 221152.1 44185.3 -89.16
MIN Cent  3836.2 19180.8 -5633.6 19186.8 3830.2 -88.87
      5205 3754.7 18773.3 -7096.1 18830.5 3697.5 -86.48
      5206 7743.9 38719.4 -7096.1 38747.2 7716.1 -88.28
      5212 2452.7 12263.5 -4373.3 12271.0 2445.2 -88.42
      5211 1109.0 5544.9 -4373.3 5561.3 1092.5 -86.52

```

```

      NODE  Vxx  Vyy
-----

```

```

MAX Cent  0.0 901091.3
  5205   0.0 879863.9
  5206   0.0 922318.6
  5212   0.0 922318.6
  5211   0.0 879863.9
MIN Cent  -0.0 33032.0
  5205  -0.0  21178.4
  5206  -0.0  44876.7
  5212  -0.0  44876.7

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5211 -0.0 21178.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2267	3	3	env SL~1	MAX Cent	5048733.4	-620554.1	271308.6	5050068.9	-706015.9	-0.84
				5206	5048733.4	-714873.8	271308.6	5050103.0	-717411.3	-0.87
				5207	5048733.4	-446316.5	271308.6	5050036.5	-694620.6	-0.82
				5213	5048733.4	-446316.5	271308.6	5050036.5	-694620.6	-0.82
				5212	5048733.4	-714873.8	271308.6	5050103.0	-717411.3	-0.87
				MIN Cent	-1263766.7	-1138193.9	-98972.1	-570405.1	-1362660.3	69.42
				5206	-1263766.7	-1098247.7	-98972.1	-724832.6	-1390032.8	66.48
				5207	-1263766.7	-1284370.5	-98972.1	-408080.8	-1343946.0	73.08
				5213	-1263766.7	-1284370.5	-98972.1	-408080.8	-1343946.0	73.08
				5212	-1263766.7	-1098247.7	-98972.1	-724832.6	-1390032.8	66.48

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	92291.2	461455.8	4182.9	461502.9	92244.0	89.35
5206	153425.7	767128.3	7851.6	767228.7	153325.2	89.27
5207	130248.0	651240.1	7851.6	651358.4	130129.7	89.14
5213	38900.6	194502.8	2219.2	194510.0	38893.3	89.61
5212	46590.4	232952.1	2219.2	232958.1	46584.4	89.67
MIN Cent	2188.4	10941.8	631.7	11824.4	1305.8	73.16
5206	7743.9	38719.4	3127.9	39311.3	7151.9	82.20
5207	-1048.5	-5242.6	3127.9	1659.2	-7950.2	32.06
5213	-643.0	-3215.2	-1459.7	-119.8	-3738.4	22.35
5212	2452.7	12263.5	-1459.7	12425.9	2262.7	82.73

NODE Vxx Vyy

MAX Cent	0.0	855464.9
5206	0.0	922318.6
5207	0.0	788611.2
5213	0.0	788611.2
5212	0.0	922318.6
MIN Cent	0.0	20016.9
5206	-0.0	44876.7
5207	-0.0	-4842.9
5213	0.0	-4842.9
5212	0.0	44876.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2268	3	3	env SL~1	MAX Cent	5323835.8	284928.3	170373.1	5444486.0	168473.0	-8.77
				5207	5323835.8	-435052.1	170373.1	5417515.9	-731520.9	-6.87
				5121	5323835.8	1769152.5	170373.1	5491556.7	1612895.8	-12.04
				5120	5323835.8	1769152.5	170373.1	5491556.7	1612895.8	-12.04

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5213 5323835.8 -435052.1 170373.1 5417515.9 -731520.9 -6.87
MIN Cent -1201315.5 -355908.2 -798079.4 -331016.7 -1231860.8 80.40
5207 -1201315.5 -1228036.7 -798079.4 -440614.4 -1317517.6 78.04
5121 -1201315.5 -251212.8 -798079.4 -232752.4 -1228261.2 82.14
5120 -1201315.5 -251212.8 -798079.4 -232752.4 -1228261.2 82.14
5213 -1201315.5 -1228036.7 -798079.4 -440614.4 -1317517.6 78.04

```

```

NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----
MAX Cent 69557.4 347787.0 9419.9 348105.5 69238.8 88.06
5207 130248.0 651240.1 16566.6 651766.3 129721.8 88.18
5121 85537.8 427689.0 16566.6 428489.3 84737.5 87.23
5120 23543.2 117716.1 3399.2 117835.1 23424.2 87.97
5213 38900.6 194502.8 3399.2 194574.8 38828.5 88.77
MIN Cent -3781.4 -18907.2 2478.0 -3385.8 -19302.8 9.07
5207 -1048.5 -5242.6 3927.2 1546.5 -7837.6 31.73
5121 -9855.2 -49276.2 3927.2 -9467.8 -49663.7 5.63
5120 -3804.6 -19022.9 -29.5 -3703.6 -19124.0 4.64
5213 -643.0 -3215.2 -29.5 -139.7 -3718.4 22.02

```

```

NODE   Vxx   Vyy
-----
MAX Cent 0.0 661908.1
5207 0.0 788611.2
5121 0.0 535205.0
5120 0.0 535205.0
5213 0.0 788611.2
MIN Cent -0.0 -28563.4
5207 0.0 -4842.9
5121 0.0 -52283.9
5120 -0.0 -52283.9
5213 -0.0 -4842.9

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2269 3 3 env SL~1 MAX Cent 5283206.0 81779.2 1149640.0 5314432.4 59526.4 4.52
5208 5283206.0 196433.4 1149640.0 5315168.0 172599.2 4.62
5209 5283206.0 -31808.8 1149640.0 5313728.3 -53567.3 4.42
5215 5283206.0 -31808.8 1149640.0 5313728.3 -53567.3 4.42
5214 5283206.0 196433.4 1149640.0 5315168.0 172599.2 4.62
MIN Cent -1164187.0 -170266.0 245293.1 90832.1 -1477492.7 65.61
5208 -1164187.0 -115206.2 245293.1 137685.0 -1466980.7 66.46
5209 -1164187.0 -226390.3 245293.1 44062.6 -1488606.1 64.78
5215 -1164187.0 -226390.3 245293.1 44062.6 -1488606.1 64.78
5214 -1164187.0 -115206.2 245293.1 137685.0 -1466980.7 66.46

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NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
-----

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 17856.7 89283.5 1139.7 89449.4 17690.9 -87.24
5208 23838.5 119192.7 1198.3 119393.4 23637.8 -87.38
5209 29897.5 149487.4 1198.3 149647.6 29737.3 -87.91
5215 9728.1 48640.4 1078.5 48801.6 9566.9 -86.33
5214 8008.7 40043.5 1078.5 40238.9 7813.3 -85.55
MIN Cent -2589.3 -12946.3 -4215.5 -2584.8 -12950.8 1.18
5208 -5635.3 -28176.7 -5175.2 -5632.4 -28179.6 0.65
5209 -5767.6 -28838.0 -5175.2 -5764.8 -28840.8 0.63
5215 -1062.9 -5314.6 -3419.1 834.8 -7212.3 -29.05
5214 -2746.5 -13732.7 -3419.1 -1770.9 -14708.3 -15.94

```

NODE Vxx Vyy

```

-----
MAX Cent 0.0 156633.3
5208 0.0 137925.5
5209 0.0 175341.1
5215 0.0 175341.1
5214 0.0 137925.5
MIN Cent -0.0 -55069.4
5208 -0.0 -55756.9
5209 -0.0 -54382.0
5215 0.0 -54382.0
5214 0.0 -55756.9

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
2270 3 3 env SL~1 MAX Cent 5223836.3 -215069.4 1138406.2 5267985.5 -250332.7 5.29
5209 5223836.3 -43681.8 1138406.2 5269531.9 -80077.1 5.46
5210 5223836.3 -348777.7 1138406.2 5266533.7 -393203.5 5.13
5216 5223836.3 -348777.7 1138406.2 5266533.7 -393203.5 5.13
5215 5223836.3 -43681.8 1138406.2 5269531.9 -80077.1 5.46
MIN Cent -1201968.8 -369617.6 303307.2 -37406.0 -1571327.4 62.48
5209 -1201968.8 -234040.9 303307.2 60207.0 -1544599.5 64.32
5210 -1201968.8 -520210.6 303307.2 -131632.2 -1601379.8 60.45
5216 -1201968.8 -520210.6 303307.2 -131632.2 -1601379.8 60.45
5215 -1201968.8 -234040.9 303307.2 60207.0 -1544599.5 64.32

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 22299.9 111499.3 272.3 111658.0 22141.2 -87.59
5209 29897.5 149487.4 -197.9 149695.1 29689.8 -87.62
5210 37572.6 187862.9 -197.9 188026.9 37408.5 -88.11
5216 12044.5 60222.5 656.1 60380.1 11895.6 -86.73
5215 9728.1 48640.4 656.1 48819.1 9549.5 -86.13
MIN Cent -1709.0 -8544.9 -4602.0 -1654.1 -8599.8 -5.10
5209 -5767.6 -28838.0 -5770.1 -5716.4 -28889.2 -2.69
5210 -2652.3 -13261.4 -5770.1 -2541.8 -13371.8 -5.80
5216 1190.6 5953.0 -3611.7 5963.9 -337.3 -87.27
5215 -1062.9 -5314.6 -3611.7 1002.2 -7379.6 -29.76

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	198042.3
5209	-0.0	175341.1
5210	-0.0	220743.5
5216	0.0	220743.5
5215	0.0	175341.1
MIN Cent	-0.0	-43957.6
5209	-0.0	-54382.0
5210	-0.0	-33533.3
5216	-0.0	-33533.3
5215	-0.0	-54382.0

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2271	3	3	env SL~1	MAX Cent	5161274.0	-449059.1	999463.0	5193159.6	-481154.7	4.48
				5210	5161274.0	-357525.7	999463.0	5193992.1	-391049.5	4.59
				5211	5161274.0	-540592.5	999463.0	5192364.4	-571375.0	4.38
				5217	5161274.0	-540592.5	999463.0	5192364.4	-571375.0	4.38
				5216	5161274.0	-357525.7	999463.0	5193992.1	-391049.5	4.59
				MIN Cent	-1249729.4	-668042.6	260540.6	-271974.3	-1611269.2	60.45
				5210	-1249729.4	-532147.6	260540.6	-194290.5	-1585812.8	62.29
				5211	-1249729.4	-803937.7	260540.6	-346753.3	-1639657.3	58.45
				5217	-1249729.4	-803937.7	260540.6	-346753.3	-1639657.3	58.45
				5216	-1249729.4	-532147.6	260540.6	-194290.5	-1585812.8	62.29

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	26940.5	134702.3	122.6	134815.3	26827.4	-88.15
5210	37572.6	187862.9	-446.0	187998.4	37437.1	-88.28
5211	44152.5	220762.5	-446.0	220877.8	44037.1	-88.54
5217	13992.3	69961.4	590.1	70085.5	13868.2	-87.31
5216	12044.5	60222.5	590.1	60366.6	11908.7	-86.87
MIN Cent	447.5	2237.4	-4556.5	2519.0	165.9	-69.76
5210	-2652.3	-13261.4	-5688.5	-2487.6	-13426.1	-7.05
5211	1059.7	5298.4	-5688.5	5682.2	675.9	-73.93
5217	2191.9	10959.5	-3597.7	10969.4	2182.0	-88.08
5216	1190.6	5953.0	-3597.7	5971.2	-326.3	-86.47

NODE	Vxx	Vyy

MAX Cent	0.0	240381.1
5210	0.0	220743.5
5211	0.0	260376.0
5217	0.0	260376.0
5216	0.0	220743.5
MIN Cent	-0.0	-21475.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

5210 0.0 -33533.3
5211 0.0 -9900.1
5217 -0.0 -9900.1
5216 -0.0 -33533.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2272 3 3 env SL~1 MAX Cent 5109935.6 -608712.8 747427.5 5123555.2 -620289.2 2.79
5211 5109935.6 -546978.6 747427.5 5123840.9 -558884.0 2.85
5212 5109935.6 -670446.9 747427.5 5123280.6 -681712.0 2.74
5218 5109935.6 -670446.9 747427.5 5123280.6 -681712.0 2.74
5217 5109935.6 -546978.6 747427.5 5123840.9 -558884.0 2.85
MIN Cent -1279055.0 -910364.5 160389.7 -488828.4 -1553154.4 61.21
5211 -1279055.0 -813630.6 160389.7 -462209.3 -1544026.0 62.01
5212 -1279055.0 -1007098.5 160389.7 -515036.0 -1562757.2 60.39
5218 -1279055.0 -1007098.5 160389.7 -515036.0 -1562757.2 60.39
5217 -1279055.0 -813630.6 160389.7 -462209.3 -1544026.0 62.01

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 29770.7 148853.7 737.4 148901.4 29723.0 -88.85
5211 44152.5 220762.5 556.7 220804.4 44110.5 -89.12
5212 46401.3 232006.4 556.7 232046.3 46361.4 -89.16
5218 14536.9 72684.5 876.7 72760.8 14460.6 -87.93
5217 13992.3 69961.4 876.7 70040.6 13913.0 -87.85
MIN Cent 1996.6 9982.9 -3578.2 9985.7 1993.8 -88.93
5211 1059.7 5298.4 -4107.9 5324.4 1033.7 -85.54
5212 2345.4 11727.2 -4107.9 11739.0 2333.6 -87.97
5218 2389.3 11946.7 -3127.2 11946.7 2389.3 -89.96
5217 2191.9 10959.5 -3127.2 10959.5 2191.9 -89.96

NODE Vxx Vyy

MAX Cent 0.0 267732.1
5211 0.0 260376.0
5212 0.0 275088.1
5218 0.0 275088.1
5217 0.0 260376.0
MIN Cent -0.0 -5403.5
5211 -0.0 -9900.1
5212 -0.0 -906.8
5218 0.0 -906.8
5217 0.0 -9900.1

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2273 3 3 env SL~1 MAX Cent 5086954.8 -578048.1 348676.8 5087055.2 -605483.6 -0.23

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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5212 5086954.8 -670293.8 348676.8 5087055.1 -670874.5 -0.23
5213 5086954.8 -430694.6 348676.8 5087055.3 -540093.9 -0.23
5219 5086954.8 -430694.6 348676.8 5087055.3 -540093.9 -0.23
5218 5086954.8 -670293.8 348676.8 5087055.1 -670874.5 -0.23
MIN Cent -1254459.4 -943056.6 -36332.6 -505398.0 -1372435.2 70.02
5212 -1254459.4 -1006128.5 -36332.6 -636285.2 -1396510.4 66.20
5213 -1254459.4 -928499.3 -36332.6 -368787.5 -1354466.8 72.92
5219 -1254459.4 -928499.3 -36332.6 -368787.5 -1354466.8 72.92
5218 -1254459.4 -1006128.5 -36332.6 -636285.2 -1396510.4 66.20

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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MAX Cent 27796.9 138984.5 1840.2 138984.8 27796.7 89.92
5212 46401.3 232006.4 2351.9 232017.3 46390.4 89.56
5213 38558.3 192791.6 2351.9 192804.7 38545.2 89.47
5219 11693.2 58465.8 1393.8 58480.7 11678.2 -88.98
5218 14536.9 72684.5 1393.8 72699.4 14522.0 -89.08
MIN Cent 1301.4 6507.2 -1553.7 6667.5 1141.2 80.20
5212 2345.4 11727.2 -783.4 11939.9 2104.8 81.53
5213 -664.9 -3324.3 -783.4 -42.9 -3946.3 23.53
5219 1135.9 5679.4 -2206.3 5731.7 1083.5 83.91
5218 2389.3 11946.7 -2206.3 11971.8 2364.2 87.07

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NODE Vxx Vyy

```

MAX Cent 0.0 253517.6
5212 0.0 275088.1
5213 0.0 231947.1
5219 -0.0 231947.1
5218 -0.0 275088.1
MIN Cent 0.0 -8348.0
5212 0.0 -906.8
5213 0.0 -15789.2
5219 -0.0 -15789.2
5218 -0.0 -906.8

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

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2274 3 3 env SL~1 MAX Cent 5302163.3 176565.5 199513.7 5344939.8 134684.8 -5.21
5213 5302163.3 -419075.2 199513.7 5337879.1 -548149.2 -4.35
5120 5302163.3 1215431.1 199513.7 5355596.4 1165764.8 -6.61
5119 5302163.3 1215431.1 199513.7 5355596.4 1165764.8 -6.61
5219 5302163.3 -419075.2 199513.7 5337879.1 -548149.2 -4.35
MIN Cent -1190290.2 -300781.8 -482304.4 -267566.2 -1230427.4 79.53
5213 -1190290.2 -884267.0 -482304.4 -407220.0 -1237874.1 76.25
5120 -1190290.2 -165465.0 -482304.4 -137856.3 -1224855.5 80.80
5119 -1190290.2 -165465.0 -482304.4 -137856.3 -1224855.5 80.80
5219 -1190290.2 -884267.0 -482304.4 -407220.0 -1237874.1 76.25

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	20336.7	101683.7	1851.8	101722.8	20297.7	88.74
5213	38558.3	192791.6	4107.0	192898.5	38451.5	88.49
5120	24330.1	121650.4	4107.0	121819.6	24160.9	87.61
5119	6807.6	34037.9	1319.6	34038.0	6807.4	-89.86
5219	11693.2	58465.8	1319.6	58465.9	11693.1	-89.92
MIN Cent	-806.6	-4033.0	-505.3	-567.7	-4271.9	14.71
5213	-664.9	-3324.3	841.5	-63.8	-3925.4	23.24
5120	-3604.6	-18022.9	841.5	-3469.9	-18157.5	5.49
5119	-92.8	-464.2	-1633.0	238.7	-795.7	34.48
5219	1135.9	5679.4	-1633.0	5730.1	1085.1	84.00

NODE	Vxx	Vyy
MAX Cent	0.0	191783.6
5213	0.0	231947.1
5120	0.0	151620.1
5119	-0.0	151620.1
5219	-0.0	231947.1
MIN Cent	0.0	-22931.5
5213	-0.0	-15789.2
5120	-0.0	-30317.1
5119	-0.0	-30317.1
5219	-0.0	-15789.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2275	3	3	env SL~1	MAX Cent	5277104.8	51273.3	1190924.1	5307234.0	30085.2	4.42
				5214	5277104.8	130652.3	1190924.1	5307725.1	108604.5	4.49
				5215	5277104.8	-27567.9	1190924.1	5306757.6	-48443.5	4.36
				5221	5277104.8	-27567.9	1190924.1	5306757.6	-48443.5	4.36
				5220	5277104.8	130652.3	1190924.1	5307725.1	108604.5	4.49
				MIN Cent	-1164491.2	-171786.8	218612.6	52025.3	-1441280.5	66.84
				5214	-1164491.2	-132012.7	218612.6	85800.2	-1434253.1	67.40
				5215	-1164491.2	-213108.3	218612.6	18538.3	-1448613.5	66.25
				5221	-1164491.2	-213108.3	218612.6	18538.3	-1448613.5	66.25
				5220	-1164491.2	-132012.7	218612.6	85800.2	-1434253.1	67.40

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	7266.7	36333.4	842.5	36542.9	7057.2	-85.16
5214	7943.6	39718.2	939.3	39950.5	7711.3	-85.13
5215	9759.4	48797.0	939.3	48986.6	9569.8	-86.02
5221	5777.1	28885.4	741.8	29109.3	5553.2	-84.40
5220	5586.6	27932.9	741.8	28164.3	5355.2	-84.22
MIN Cent	452.5	2262.6	-3351.2	4601.1	-1886.0	-53.10
5214	-2825.3	-14126.7	-3615.2	-1897.6	-15054.5	-15.40

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5215 -1024.5 -5122.6 -3615.2 869.0 -7016.1 -29.34
5221 2951.8 14758.9 -3148.5 15440.8 2269.8 -76.85
5220 2708.2 13540.9 -3148.5 14277.1 1972.0 -75.84

NODE Vxx Vyy

MAX Cent 0.0 28748.9

5214 0.0 21810.0
5215 0.0 35687.8
5221 -0.0 35687.8
5220 -0.0 21810.0

MIN Cent -0.0 -41049.6

5214 -0.0 -47771.4
5215 -0.0 -34327.8
5221 -0.0 -34327.8
5220 -0.0 -47771.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2276 3 3 env SL~1 MAX Cent 5227234.2 -198079.8 1165869.9 5268086.0 -230284.3 5.10

5215 5227234.2 -37542.0 1165869.9 5269425.6 -70716.5 5.25
5216 5227234.2 -323348.4 1165869.9 5266823.4 -358283.3 4.95
5222 5227234.2 -323348.4 1165869.9 5266823.4 -358283.3 4.95
5221 5227234.2 -37542.0 1165869.9 5269425.6 -70716.5 5.25

MIN Cent -1197572.2 -337192.0 266915.1 -68322.3 -1512790.3 64.22

5215 -1197572.2 -219724.5 266915.1 26115.7 -1490156.9 65.97
5216 -1197572.2 -474074.6 266915.1 -159850.9 -1538301.8 62.27
5222 -1197572.2 -474074.6 266915.1 -159850.9 -1538301.8 62.27
5221 -1197572.2 -219724.5 266915.1 26115.7 -1490156.9 65.97

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 8443.9 42219.3 547.9 42411.5 8251.6 -85.70

5215 9759.4 48797.0 461.3 49009.2 9547.2 -85.79
5216 12031.5 60157.3 461.3 60344.3 11854.6 -86.44
5222 6211.8 31059.0 602.0 31268.6 6002.2 -84.77
5221 5777.1 28885.4 602.0 29110.5 5552.0 -84.39

MIN Cent 1712.7 8563.3 -3407.9 9849.8 426.1 -68.32

5215 -1024.5 -5122.6 -3746.4 1068.3 -7215.5 -30.17
5216 1197.1 5985.3 -3746.4 6018.3 -339.7 -85.27
5222 3511.7 17558.6 -3136.0 18149.2 2921.1 -78.64
5221 2951.8 14758.9 -3136.0 15450.6 2260.1 -76.76

NODE Vxx Vyy

MAX Cent 0.0 43453.4

5215 0.0 35687.8
5216 0.0 51219.0

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5222 0.0 51219.0
5221 0.0 35687.8
MIN Cent -0.0 -28098.9
5215 -0.0 -34327.8
5216 -0.0 -24175.5
5222 0.0 -24175.5
5221 0.0 -34327.8

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2277 3 3 env SL~1 MAX Cent 5168280.5 -417706.8 1029508.9 5197836.3 -442846.8 4.32
5216 5168280.5 -331538.5 1029508.9 5198571.0 -357749.3 4.42
5217 5168280.5 -503875.1 1029508.9 5197133.1 -528027.4 4.23
5223 5168280.5 -503875.1 1029508.9 5197133.1 -528027.4 4.23
5222 5168280.5 -331538.5 1029508.9 5198571.0 -357749.3 4.42
MIN Cent -1242424.1 -609804.2 228834.2 -291243.9 -1547228.2 62.43
5216 -1242424.1 -485033.3 228834.2 -215514.4 -1525855.6 64.19
5217 -1242424.1 -734575.2 228834.2 -364462.7 -1571144.9 60.50
5223 -1242424.1 -734575.2 228834.2 -364462.7 -1571144.9 60.50
5222 -1242424.1 -485033.3 228834.2 -215514.4 -1525855.6 64.19

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 9671.4 48356.9 502.4 48514.2 9514.1 -86.36
5216 12031.5 60157.3 385.3 60327.3 11871.1 -86.60
5217 13971.9 69859.5 385.3 70006.0 13825.4 -87.07
5223 6509.4 32547.2 582.5 32741.7 6315.0 -85.08
5222 6211.8 31059.0 582.5 31262.6 6008.2 -84.85
MIN Cent 2815.2 14075.8 -3326.5 14086.8 2414.4 -88.21
5216 1197.1 5985.3 -3605.8 6032.2 -325.7 -84.37
5217 2175.7 10878.6 -3605.8 10904.6 2149.7 -86.88
5223 3934.6 19672.8 -3106.1 19677.2 3509.7 -89.04
5222 3511.7 17558.6 -3106.1 18150.8 2919.5 -78.63

NODE Vxx Vyy

MAX Cent 0.0 58054.9
5216 0.0 51219.0
5217 0.0 64920.0
5223 0.0 64920.0
5222 0.0 51219.0
MIN Cent -0.0 -19708.2
5216 -0.0 -24175.5
5217 -0.0 -15240.9
5223 -0.0 -15240.9
5222 -0.0 -24175.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2278	3	3	env SL~1	MAX Cent	5119727.0	-564977.6	784847.2	5132309.9	-573230.9	2.69
				5217	5119727.0	-509765.9	784847.2	5132559.5	-518232.4	2.74
				5218	5119727.0	-620189.4	784847.2	5132069.5	-628239.8	2.64
				5224	5119727.0	-620189.4	784847.2	5132069.5	-628239.8	2.64
				5223	5119727.0	-509765.9	784847.2	5132559.5	-518232.4	2.74
				MIN Cent	-1268528.6	-826756.5	134253.4	-483654.5	-1494399.2	63.65
				5217	-1268528.6	-743253.2	134253.4	-462979.5	-1488439.0	64.24
				5218	-1268528.6	-910259.7	134253.4	-504116.2	-1500612.6	63.04
				5224	-1268528.6	-910259.7	134253.4	-504116.2	-1500612.6	63.04
				5223	-1268528.6	-743253.2	134253.4	-462979.5	-1488439.0	64.24
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	10305.7	51528.4	701.2	51635.6	10198.5	-87.08
				5217	13971.9	69859.5	712.1	69951.0	13880.4	-87.69
				5218	14462.2	72310.9	712.1	72399.3	14373.8	-87.76
				5224	6352.7	31763.5	672.7	31932.7	6183.5	-85.35
				5223	6509.4	32547.2	672.7	32712.4	6344.3	-85.46
				MIN Cent	3028.2	15141.1	-2957.2	15143.0	3026.3	-89.29
				5217	2175.7	10878.6	-3048.6	10881.1	2173.2	-89.03
				5218	2354.7	11773.5	-3048.6	11775.9	2352.4	-89.10
				5224	3647.9	18239.4	-2924.6	18241.4	3645.9	-89.33
				5223	3934.6	19672.8	-2924.6	19674.6	3564.5	-89.38
				NODE	Vxx	Vyy				
				MAX Cent	0.0	67628.4				
				5217	0.0	64920.0				
				5218	0.0	70393.5				
				5224	0.0	70393.5				
				5223	0.0	64920.0				
				MIN Cent	-0.0	-13174.1				
				5217	0.0	-15240.9				
				5218	0.0	-11164.0				
				5224	-0.0	-11164.0				
				5223	-0.0	-15240.9				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2279	3	3	env SL~1	MAX Cent	5114638.8	-530065.1	426318.8	5114644.3	-530723.7	-0.06
				5218	5114638.8	-618792.9	426318.8	5114644.2	-619425.4	-0.05
				5219	5114638.8	-414202.5	426318.8	5114644.3	-442024.3	-0.06
				5225	5114638.8	-414202.5	426318.8	5114644.3	-442024.3	-0.06
				5224	5114638.8	-618792.9	426318.8	5114644.2	-619425.4	-0.05
				MIN Cent	-1246327.1	-801391.2	-37615.9	-478906.0	-1348483.6	71.39
				5218	-1246327.1	-907969.4	-37615.9	-594695.1	-1366645.2	66.75

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5219 -1246327.1 -707580.0 -37615.9 -359566.2 -1334710.8 73.76
 5225 -1246327.1 -707580.0 -37615.9 -359566.2 -1334710.8 73.76
 5224 -1246327.1 -907969.4 -37615.9 -594695.1 -1366645.2 66.75

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 9358.2 46791.1 1060.8 46836.6 9312.7 -88.00
 5218 14462.2 72310.9 1301.3 72325.5 14447.6 -89.09
 5219 11630.0 58150.1 1301.3 58168.3 11614.8 -88.87
 5225 5027.3 25136.5 837.6 25284.6 4879.2 -85.11
 5224 6352.7 31763.5 837.6 31881.0 6235.2 -86.12
 MIN Cent 2498.0 12490.1 -2268.5 12493.7 2494.4 88.91
 5218 2354.7 11773.5 -1992.5 11792.2 2336.0 87.45
 5219 1129.4 5646.9 -1992.5 5685.6 1090.6 84.73
 5225 2860.1 14300.5 -2592.2 14300.6 2824.0 -89.89
 5224 3647.9 18239.4 -2592.2 18239.4 3647.8 -89.91

NODE Vxx Vyy

MAX Cent 0.0 63939.8
 5218 -0.0 70393.5
 5219 -0.0 57487.2
 5225 0.0 57487.2
 5224 0.0 70393.5
 MIN Cent -0.0 -13052.8
 5218 -0.0 -11164.0
 5219 -0.0 -14941.6
 5225 -0.0 -14941.6
 5224 -0.0 -11164.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2280 3 3 env SL~1 MAX Cent 5291187.6 121687.4 186737.1 5307861.8 105998.1 -3.28
 5219 5291187.6 -401786.3 186737.1 5305705.5 -439924.3 -2.84
 5119 5291187.6 897646.5 186737.1 5310766.0 879769.9 -3.83
 5118 5291187.6 897646.5 186737.1 5310766.0 879769.9 -3.83
 5225 5291187.6 -401786.3 186737.1 5305705.5 -439924.3 -2.84
 MIN Cent -1178633.9 -242500.3 -303875.4 -213237.8 -1211933.0 80.12
 5219 -1178633.9 -671178.8 -303875.4 -392042.3 -1219761.1 77.09
 5119 -1178633.9 -65492.8 -303875.4 -41910.8 -1206540.2 81.80
 5118 -1178633.9 -65492.8 -303875.4 -41910.8 -1206540.2 81.80
 5225 -1178633.9 -671178.8 -303875.4 -392042.3 -1219761.1 77.09

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 6708.0 33540.1 1004.4 33559.6 6688.5 -88.46
 5219 11630.0 58150.1 1224.5 58150.2 11630.0 -89.95
 5119 6885.9 34429.5 1224.5 34429.6 6885.8 89.91

AUTOSTRADA VALDASTICO A31 NORD
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```

5118 3289.4 16447.0 796.0 16590.5 3145.9 -84.07
5225 5027.3 25136.5 796.0 25231.0 4932.8 -86.09
MIN Cent 1528.1 7640.3 -1809.7 7646.7 1521.8 88.16
5219 1129.4 5646.9 -1362.1 5683.8 1092.4 84.85
5119 -30.5 -152.5 -1362.1 323.3 -506.3 40.77
5118 2153.3 10766.5 -2187.9 10766.5 1875.9 -90.00
5225 2860.1 14300.5 -2187.9 14300.5 2860.1 -90.00

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 44343.4
5219 -0.0 57487.2
5119 -0.0 31199.6
5118 0.0 31199.6
5225 0.0 57487.2
MIN Cent -0.0 -16897.3
5219 -0.0 -14941.6
5119 -0.0 -18853.0
5118 -0.0 -18853.0
5225 -0.0 -14941.6

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2281 3 3 env SL~1 MAX Cent 5273458.4 33041.0 1147438.6 5295942.0 17855.5 3.84
5220 5273458.4 90614.9 1147438.6 5296213.7 75217.9 3.88
5221 5273458.4 -24489.1 1147438.6 5295676.5 -39510.6 3.79
5227 5273458.4 -24489.1 1147438.6 5295676.5 -39510.6 3.79
5226 5273458.4 90614.9 1147438.6 5296213.7 75217.9 3.88
MIN Cent -1163585.1 -167256.5 162571.6 2699.5 -1380344.5 69.19
5220 -1163585.1 -135640.3 162571.6 29241.8 -1375712.2 69.61
5221 -1163585.1 -198872.8 162571.6 -23691.1 -1385150.8 68.75
5227 -1163585.1 -198872.8 162571.6 -23691.1 -1385150.8 68.75
5226 -1163585.1 -135640.3 162571.6 29241.8 -1375712.2 69.61

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 6108.0 30540.1 386.5 30796.9 6013.4 -84.18
5220 5521.1 27605.7 515.8 27888.2 5238.7 -83.59
5221 5796.6 28983.0 515.8 29252.4 5527.2 -83.88
5227 7964.1 39820.3 252.9 40114.5 7669.9 -84.54
5226 8485.7 42428.3 252.9 42704.7 8209.3 -84.86
MIN Cent 5464.8 27323.8 -3349.2 27332.8 5059.1 -88.83
5220 2629.2 13146.0 -3356.0 13959.8 1815.3 -75.00
5221 2975.7 14878.7 -3356.0 15608.7 2245.8 -76.48
5227 5836.7 29183.7 -3369.8 29549.6 5381.6 -82.92
5226 6237.2 31185.9 -3369.8 31528.9 5815.2 -83.36

```

```

NODE Vxx Vyy

```

AUTOSTRADA VALDASTICO A31 NORD
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```

-----
MAX Cent  -0.0 -6784.6
  5220  -0.0 -9820.3
  5221  -0.0 -3748.9
  5227  -0.0 -3748.9
  5226  -0.0 -9820.3
MIN Cent  -0.0 -46812.0
  5220  -0.0 -50559.4
  5221  -0.0 -43064.6
  5227  -0.0 -43064.6
  5226  -0.0 -50559.4

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

```

2282  3  3 env SL~1 MAX Cent 5230363.2 -182435.0 1108479.2 5260049.4 -205282.1  4.39
      5221 5230363.2 -33108.1 1108479.2 5260971.5 -56597.7  4.52
      5222 5230363.2 -298740.5 1108479.2 5259176.9 -318597.9  4.27
      5228 5230363.2 -298740.5 1108479.2 5259176.9 -318597.9  4.27
      5227 5230363.2 -33108.1 1108479.2 5260971.5 -56597.7  4.52
MIN Cent -1193210.4 -315382.7 199434.1 -118285.9 -1431284.4  67.09
      5221 -1193210.4 -204797.8 199434.1 -25326.1 -1413672.7  68.75
      5222 -1193210.4 -428570.1 199434.1 -208859.0 -1451325.2  65.22
      5228 -1193210.4 -428570.1 199434.1 -208859.0 -1451325.2  65.22
      5227 -1193210.4 -204797.8 199434.1 -25326.1 -1413672.7  68.75

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

```

MAX Cent  6108.1 30540.7  297.1 30793.8  5855.1 -84.22
  5221  5796.6 28983.0  356.2 29255.6  5524.0 -83.85
  5222  6204.9 31024.7  356.2 31279.8  5949.9 -84.24
  5228  7647.8 38239.1  225.1 38535.1  7351.8 -84.41
  5227  7964.1 39820.3  225.1 40104.8  7679.6 -84.63
MIN Cent  5060.3 25301.3 -3314.5 25314.6  5047.0 -88.54
  5221  2975.7 14878.7 -3352.4 15624.4  2230.1 -76.35
  5222  3506.4 17531.8 -3352.4 18174.8  2863.4 -78.17
  5228  5621.7 28108.5 -3300.6 28472.4  5175.3 -82.81
  5227  5836.7 29183.7 -3300.6 29534.6  5400.6 -83.06

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NODE Vxx Vyy

```

```

MAX Cent  0.0 -988.6
  5221  0.0 -3748.9
  5222  0.0 1771.7
  5228  0.0 1771.7
  5227  0.0 -3748.9
MIN Cent  -0.0 -39409.1
  5221  0.0 -43064.6
  5222 -0.0 -35753.6
  5228 -0.0 -35753.6

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5227 -0.0 -43064.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2283	3	3	env SL~1	MAX Cent	5174843.3	-387714.3	974507.5	5195888.9	-401095.9	3.81
				5222	5174843.3	-306398.0	974507.5	5196438.2	-320329.2	3.90
				5223	5174843.3	-469030.7	974507.5	5195362.4	-481904.1	3.73
				5229	5174843.3	-469030.7	974507.5	5195362.4	-481904.1	3.73
				5228	5174843.3	-306398.0	974507.5	5196438.2	-320329.2	3.90
				MIN Cent	-1235367.2	-552900.1	165513.0	-331213.6	-1459966.3	65.67
				5222	-1235367.2	-438618.3	165513.0	-256253.4	-1443636.7	67.34
				5223	-1235367.2	-667181.8	165513.0	-404109.5	-1478436.3	63.81
				5229	-1235367.2	-667181.8	165513.0	-404109.5	-1478436.3	63.81
				5228	-1235367.2	-438618.3	165513.0	-256253.4	-1443636.7	67.34

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	6146.7	30733.7	283.9	30981.1	5899.3	-84.30
5222	6204.9	31024.7	333.6	31272.0	5957.7	-84.33
5223	6505.8	32528.9	333.6	32765.0	6269.7	-84.58
5229	7306.4	36532.2	219.9	36843.9	6994.8	-84.13
5228	7647.8	38239.1	219.9	38537.1	7349.8	-84.39
MIN Cent	4820.6	24103.2	-3297.2	24118.0	4805.8	-88.41
5222	3506.4	17531.8	-3316.3	18175.9	2862.2	-78.17
5223	3929.8	19649.1	-3316.3	19664.6	3461.8	-88.21
5229	5350.4	26752.2	-3300.3	27133.4	4885.2	-82.46
5228	5621.7	28108.5	-3300.3	28471.8	5175.4	-82.81

NODE Vxx Vyy

MAX Cent	0.0	4313.1
5222	0.0	1771.7
5223	0.0	6854.4
5229	0.0	6854.4
5228	0.0	1771.7
MIN Cent	-0.0	-32026.8
5222	-0.0	-35753.6
5223	-0.0	-28300.1
5229	-0.0	-28300.1
5228	-0.0	-35753.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2284	3	3	env SL~1	MAX Cent	5130285.6	-521825.6	737689.1	5138134.2	-524582.4	2.10
				5223	5130285.6	-474395.1	737689.1	5138266.7	-477214.2	2.14
				5224	5130285.6	-569256.1	737689.1	5138006.1	-571953.2	2.07
				5230	5130285.6	-569256.1	737689.1	5138006.1	-571953.2	2.07

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5229 5130285.6 -474395.1 737689.1 5138266.7 -477214.2 2.14
MIN Cent -1259120.4 -744859.8 76877.0 -500983.5 -1415957.8 67.54
5223 -1259120.4 -674860.2 76877.0 -483232.9 -1412245.5 68.00
5224 -1259120.4 -825109.8 76877.0 -518613.0 -1419819.2 67.06
5230 -1259120.4 -825109.8 76877.0 -518613.0 -1419819.2 67.06
5229 -1259120.4 -674860.2 76877.0 -483232.9 -1412245.5 68.00

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 5982.8 29914.0 343.3 30143.5 5753.3 -84.43
5223 6505.8 32528.9 437.3 32728.6 6306.1 -85.01
5224 6318.0 31589.8 437.3 31795.3 6112.5 -84.87
5230 6833.2 34165.9 240.8 34486.0 6513.1 -83.86
5229 7306.4 36532.2 240.8 36832.0 7006.6 -84.25
MIN Cent 4506.9 22534.3 -3169.6 22546.7 4494.5 -88.50
5223 3929.8 19649.1 -3111.4 19658.6 3525.9 -88.59
5224 3635.3 18176.3 -3111.4 18186.6 3618.8 -88.48
5230 4924.2 24621.2 -3237.7 24691.5 4442.3 -89.57
5229 5350.4 26752.2 -3237.7 27118.0 4903.4 -82.61

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```

NODE Vxx Vyy
-----
MAX Cent 0.0 7971.1
5223 0.0 6854.4
5224 0.0 9087.8
5230 -0.0 9087.8
5229 -0.0 6854.4
MIN Cent -0.0 -25897.7
5223 -0.0 -28300.1
5224 -0.0 -23495.3
5230 -0.0 -23495.3
5229 -0.0 -28300.1

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2285 3 3 env SL~1 MAX Cent 5135098.7 -471894.8 418446.1 5135208.2 -474139.0 -0.25
5224 5135098.7 -567258.9 418446.1 5135206.0 -569405.7 -0.24
5225 5135098.7 -376530.8 418446.1 5135210.5 -378881.4 -0.25
5231 5135098.7 -376530.8 418446.1 5135210.5 -378881.4 -0.25
5230 5135098.7 -567258.9 418446.1 5135206.0 -569405.7 -0.24
MIN Cent -1239137.8 -696496.4 -68704.3 -476689.9 -1307947.3 73.33
5224 -1239137.8 -823938.7 -68704.3 -583698.0 -1319068.7 70.80
5225 -1239137.8 -569054.2 -68704.3 -367112.5 -1299297.3 75.33
5231 -1239137.8 -569054.2 -68704.3 -367112.5 -1299297.3 75.33
5230 -1239137.8 -823938.7 -68704.3 -583698.0 -1319068.7 70.80

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

MAX Cent 5265.0 26325.1 448.4 26539.0 5051.1 -84.27

5224 6318.0 31589.8 626.8 31729.4 6178.4 -85.76
5225 5054.6 25272.9 626.8 25446.8 4880.6 -84.72
5231 5938.6 29693.0 271.8 30053.1 5578.5 -83.03
5230 6833.2 34165.9 271.8 34480.0 6519.1 -83.92

MIN Cent 3922.5 19612.5 -2962.5 19621.7 3913.3 -88.61

5224 3635.3 18176.3 -2723.3 18179.4 3632.1 -89.16
5225 2866.2 14331.2 -2723.3 14335.2 2862.3 -88.94
5231 4009.0 20045.0 -3191.6 20510.0 3422.8 -80.47
5230 4924.2 24621.2 -3191.6 24691.2 4456.5 -89.63

NODE Vxx Vyy

MAX Cent -0.0 7762.7

5224 0.0 9087.8
5225 0.0 6437.5
5231 0.0 6437.5
5230 -0.0 9087.8

MIN Cent -0.0 -22913.6

5224 -0.0 -23495.3
5225 -0.0 -22331.8
5231 -0.0 -22331.8
5230 -0.0 -23495.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2286 3 3 env SL~1 MAX Cent 5286542.7 98462.9 148802.9 5294348.8 91009.7 -2.31

5225 5286542.7 -357830.2 148802.9 5293469.9 -373479.1 -2.07
5118 5286542.7 718673.0 148802.9 5295458.6 710211.3 -2.61
5117 5286542.7 718673.0 148802.9 5295458.6 710211.3 -2.61
5231 5286542.7 -357830.2 148802.9 5293469.9 -373479.1 -2.07

MIN Cent -1167700.6 -187834.0 -214945.6 -169966.7 -1187689.6 82.38

5225 -1167700.6 -537809.5 -214945.6 -385967.1 -1193546.9 79.57
5118 -1167700.6 27082.6 -214945.6 41821.3 -1183925.6 83.70
5117 -1167700.6 27082.6 -214945.6 41821.3 -1183925.6 83.70
5231 -1167700.6 -537809.5 -214945.6 -385967.1 -1193546.9 79.57

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 4163.7 20818.7 425.4 21174.5 3808.3 -81.77

5225 5054.6 25272.9 582.0 25384.5 4943.0 -85.76
5118 3111.9 15559.6 582.0 15739.3 2932.3 -83.20
5117 5307.7 26538.7 268.3 26866.8 4979.6 -82.97
5231 5938.6 29693.0 268.3 29987.1 5644.4 -83.69

MIN Cent 3204.5 16022.5 -2602.0 16031.8 3195.3 -88.46

5225 2866.2 14331.2 -2281.8 14334.5 2863.0 -89.03
5118 2056.8 10284.2 -2281.8 10684.8 1488.4 -88.70
5117 3242.6 16213.2 -2877.2 16674.3 2691.9 -79.50
5231 4009.0 20045.0 -2877.2 20422.4 3533.6 -81.38

AUTOSTRADA VALDASTICO A31 NORD
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NODE	Vxx	Vyy

MAX Cent	0.0	1421.9
5225	-0.0	6437.5
5118	0.0	-3464.0
5117	0.0	-3464.0
5231	0.0	6437.5
MIN Cent	-0.0	-25198.5
5225	-0.0	-22331.8
5118	-0.0	-28065.2
5117	-0.0	-28065.2
5231	-0.0	-22331.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2287	3	3	env SL~1	MAX Cent	5272047.9	25988.6	1035500.4	5284359.2	18372.3	2.89
				5226	5272047.9	72726.4	1035500.4	5284484.8	65041.8	2.91
				5227	5272047.9	-20749.1	1035500.4	5284235.9	-28298.4	2.86
				5233	5272047.9	-20749.1	1035500.4	5284235.9	-28298.4	2.86
				5232	5272047.9	72726.4	1035500.4	5284484.8	65041.8	2.91
				MIN Cent	-1161074.7	-154704.4	86274.6	-45258.4	-1307410.8	72.73
				5226	-1161074.7	-126199.9	86274.6	-20229.0	-1304284.3	73.09
				5227	-1161074.7	-183208.9	86274.6	-70189.3	-1310659.9	72.36
				5233	-1161074.7	-183208.9	86274.6	-70189.3	-1310659.9	72.36
				5232	-1161074.7	-126199.9	86274.6	-20229.0	-1304284.3	73.09

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	10838.2	54191.0	-190.3	54472.7	10556.5	-85.41
5226	8392.1	41960.4	-33.8	42292.8	8059.7	-84.35
5227	7986.2	39930.8	-33.8	40279.7	7637.2	-84.07
5233	12957.6	64788.2	-351.4	65048.1	12697.8	-85.96
5232	14016.9	70084.6	-351.4	70325.0	13776.5	-86.26
MIN Cent	6847.5	34237.5	-3726.2	34629.8	6455.2	-83.22
5226	6145.6	30728.1	-3623.5	31137.5	5634.9	-82.71
5227	5857.7	29288.3	-3623.5	29717.1	5334.9	-82.36
5233	7336.1	36680.7	-3845.7	37073.9	6943.0	-83.44
5232	8050.6	40253.0	-3845.7	40612.1	7691.5	-84.01

NODE	Vxx	Vyy

MAX Cent	-0.0	-12558.3
5226	-0.0	-13094.9
5227	-0.0	-11688.3
5233	-0.0	-11688.3
5232	-0.0	-13094.9
MIN Cent	-0.0	-45739.6

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

5226 -0.0 -48559.7
5227 -0.0 -42919.4
5233 -0.0 -42919.4
5232 -0.0 -48559.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2288	3	3	env SL~1	MAX Cent 5233336.1	-167570.4	983373.2	5249284.5	-179400.8	3.31	
				5227 5233336.1	-28491.5	983373.2	5249771.0	-40633.2	3.40	
				5228 5233336.1	-275230.9	983373.2	5248822.7	-281520.7	3.23	
				5234 5233336.1	-275230.9	983373.2	5248822.7	-281520.7	3.23	
				5233 5233336.1	-28491.5	983373.2	5249771.0	-40633.2	3.40	
				MIN Cent -1188829.0	-293475.8	111290.3	-172488.2	-1341400.7	71.32	
				5227 -1188829.0	-188759.8	111290.3	-79517.6	-1329434.5	72.79	
				5228 -1188829.0	-398191.9	111290.3	-263734.8	-1355241.8	69.62	
				5234 -1188829.0	-398191.9	111290.3	-263734.8	-1355241.8	69.62	
				5233 -1188829.0	-188759.8	111290.3	-79517.6	-1329434.5	72.79	

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
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MAX Cent	10187.2	50936.0	-185.5	51222.6	9900.7	-85.22
5227	7986.2	39930.8	-70.7	40270.6	7646.4	-84.14
5228	7642.0	38209.8	-70.7	38564.6	7287.2	-83.89
5234	12163.1	60815.3	-304.3	61074.8	11903.6	-85.83
5233	12957.6	64788.2	-304.3	65032.0	12713.9	-86.09
MIN Cent	6426.6	32132.9	-3631.9	32528.7	6030.8	-82.98
5227	5857.7	29288.3	-3560.1	29702.5	5353.4	-82.49
5228	5615.2	28075.8	-3560.1	28507.3	5091.9	-82.18
5234	6897.3	34486.7	-3711.4	34874.3	6509.8	-83.29
5233	7336.1	36680.7	-3711.4	37045.7	6971.2	-83.68

NODE	Vxx	Vyy
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MAX Cent	0.0	-11153.0
5227	0.0	-11688.3
5228	0.0	-10617.7
5234	0.0	-10617.7
5233	0.0	-11688.3
MIN Cent	0.0	-40975.2
5227	-0.0	-42919.4
5228	-0.0	-39031.1
5234	0.0	-39031.1
5233	0.0	-42919.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2289	3	3	env SL~1	MAX Cent 5181126.8	-358831.3	851715.7	5191246.2	-362091.8	2.83	

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5228	5181126.8	-282385.9	851715.7	5191533.1	-285774.8	2.89
5229	5181126.8	-435276.7	851715.7	5190970.9	-438418.1	2.77
5235	5181126.8	-435276.7	851715.7	5190970.9	-438418.1	2.77
5234	5181126.8	-282385.9	851715.7	5191533.1	-285774.8	2.89
MIN Cent	-1228599.2	-497029.0	81034.2	-376411.0	-1365261.5	70.52
5228	-1228599.2	-406145.9	81034.2	-301236.8	-1354633.6	71.99
5229	-1228599.2	-601000.8	81034.2	-450127.7	-1377499.9	68.83
5235	-1228599.2	-601000.8	81034.2	-450127.7	-1377499.9	68.83
5234	-1228599.2	-406145.9	81034.2	-301236.8	-1354633.6	71.99

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	9617.6	48087.8	-187.7	48392.8	9312.6	-84.93
5228	7642.0	38209.8	-77.0	38566.7	7285.1	-83.87
5229	7309.9	36549.6	-77.0	36922.3	6937.2	-83.60
5235	11355.3	56776.6	-302.8	57055.9	11076.0	-85.53
5234	12163.1	60815.3	-302.8	61076.3	11902.1	-85.82
MIN Cent	6076.5	30382.6	-3633.9	30800.4	5658.7	-82.59
5228	5615.2	28075.8	-3558.0	28506.1	5092.6	-82.19
5229	5353.8	26769.2	-3558.0	27219.7	4811.5	-81.83
5235	6439.7	32198.5	-3717.6	32613.8	6024.4	-82.82
5234	6897.3	34486.7	-3717.6	34875.2	6508.8	-83.28

NODE	Vxx	Vyy

MAX Cent	0.0	-10023.3
5228	0.0	-10617.7
5229	0.0	-9242.7
5235	0.0	-9242.7
5234	0.0	-10617.7
MIN Cent	-0.0	-36977.7
5228	-0.0	-39031.1
5229	-0.0	-34924.3
5235	-0.0	-34924.3
5234	-0.0	-39031.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2290	3	3	env SL~1	MAX Cent	5140825.2	-480537.2	623150.6	5143508.0	-480537.8	1.23
				5229	5140825.2	-440144.9	623150.6	5143546.6	-440145.6	1.25
				5230	5140825.2	-520929.4	623150.6	5143470.5	-520930.1	1.22
				5236	5140825.2	-520929.4	623150.6	5143470.5	-520930.1	1.22
				5235	5140825.2	-440144.9	623150.6	5143546.6	-440145.6	1.25
				MIN Cent	-1250695.5	-671266.6	-1189.7	-524252.5	-1333952.7	73.28
				5229	-1250695.5	-607759.3	-1189.7	-507139.2	-1331936.5	73.65
				5230	-1250695.5	-755467.4	-1189.7	-541828.5	-1336056.7	71.34
				5236	-1250695.5	-755467.4	-1189.7	-541828.5	-1336056.7	71.34
				5235	-1250695.5	-607759.3	-1189.7	-507139.2	-1331936.5	73.65

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NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	8987.6	44937.8	-184.4	45256.6	8668.7	-84.64
5229	7309.9	36549.6	-50.7	36907.7	6951.8	-83.72
5230	6807.2	34035.8	-50.7	34419.6	6423.3	-83.28
5236	10477.8	52389.2	-322.1	52689.3	10177.7	-85.18
5235	11355.3	56776.6	-322.1	57053.8	11078.1	-85.55
MIN Cent	5642.7	28213.3	-3597.2	28652.8	5197.7	-82.13
5229	5353.8	26769.2	-3486.5	27200.7	4833.7	-82.00
5230	4898.8	24494.2	-3486.5	24678.0	4330.9	-88.78
5236	5878.2	29391.2	-3712.2	29843.9	5425.5	-82.17
5235	6439.7	32198.5	-3712.2	32613.0	6025.2	-82.83

NODE	Vxx	Vyy

MAX Cent	0.0	-8788.4
5229	-0.0	-9242.7
5230	-0.0	-8330.8
5236	0.0	-8330.8
5235	0.0	-9242.7
MIN Cent	0.0	-33306.8
5229	-0.0	-34924.3
5230	-0.0	-31689.4
5236	0.0	-31689.4
5235	0.0	-34924.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2291	3	3	env SL~1	MAX Cent	5150440.1	-426068.6	339480.9	5151430.8	-433192.1	-0.75
				5230	5150440.1	-518750.7	339480.9	5151409.2	-525570.2	-0.74
				5231	5150440.1	-333386.5	339480.9	5151453.5	-340842.4	-0.77
				5237	5150440.1	-333386.5	339480.9	5151453.5	-340842.4	-0.77
				5236	5150440.1	-518750.7	339480.9	5151409.2	-525570.2	-0.74
				MIN Cent	-1232846.5	-617758.3	-121479.3	-482496.4	-1263913.3	78.50
				5230	-1232846.5	-753327.0	-121479.3	-583235.3	-1268731.0	76.77
				5231	-1232846.5	-482189.6	-121479.3	-380652.5	-1260200.5	79.84
				5237	-1232846.5	-482189.6	-121479.3	-380652.5	-1260200.5	79.84
				5236	-1232846.5	-753327.0	-121479.3	-583235.3	-1268731.0	76.77

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	8143.9	40719.3	-193.2	41074.8	7788.4	-84.07
5230	6807.2	34035.8	-8.6	34409.1	6433.9	-83.37
5231	6024.7	30123.7	-8.6	30543.9	5604.6	-82.54
5237	9265.7	46328.6	-382.5	46684.4	8910.0	-84.43
5236	10477.8	52389.2	-382.5	52704.5	10162.6	-85.06
MIN Cent	4950.0	24749.8	-3611.0	25250.4	4421.9	-81.07
5230	4898.8	24494.2	-3419.0	24676.6	4353.2	-88.87

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5231	4085.4	20426.9	-3419.0	20959.4	3438.8	-79.93
5237	4937.3	24686.7	-3808.7	25250.2	4373.8	-80.54
5236	5878.2	29391.2	-3808.7	29868.4	5401.1	-81.97

NODE Vxx Vyy

MAX Cent 0.0 -7795.6

5230	-0.0	-8330.8
5231	-0.0	-7258.0
5237	0.0	-7258.0
5236	0.0	-8330.8

MIN Cent -0.0 -29834.5

5230	-0.0	-31689.4
5231	-0.0	-27979.7
5237	-0.0	-27979.7
5236	-0.0	-31689.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2292 3 3 env SL~1 MAX Cent 5284780.1 89649.8 96552.5 5290394.6 84035.3 -1.88

5231	5284780.1	-315776.1	96552.5	5289877.8	-333024.8	-1.71
5117	5284780.1	617494.6	96552.5	5291028.0	611246.7	-2.09
5116	5284780.1	617494.6	96552.5	5291028.0	611246.7	-2.09
5237	5284780.1	-315776.1	96552.5	5289877.8	-333024.8	-1.71

MIN Cent -1158121.1 -139936.2 -188477.0 -132985.4 -1165389.1 85.29

5231	-1158121.1	-454480.2	-188477.0	-381886.4	-1168107.4	83.21
5117	-1158121.1	104874.5	-188477.0	110491.3	-1163744.4	86.19
5116	-1158121.1	104874.5	-188477.0	110491.3	-1163744.4	86.19
5237	-1158121.1	-454480.2	-188477.0	-381886.4	-1168107.4	83.21

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 7172.8 35863.8 -179.9 36202.4 6834.2 -83.84

5231	6024.7	30123.7	-15.6	30472.7	5675.7	-83.19
5117	4916.4	24581.9	-15.6	25006.6	4491.7	-81.73
5116	8484.2	42421.2	-347.7	42746.1	8159.3	-84.44
5237	9265.7	46328.6	-347.7	46626.6	8967.7	-84.90

MIN Cent 4058.5 20292.4 -3311.5 20801.7 3511.9 -80.11

5231	4085.4	20426.9	-3098.7	20864.7	3556.6	-80.82
5117	2886.3	14431.7	-3098.7	15051.4	2107.3	-77.44
5116	4320.5	21602.3	-3501.0	22147.9	3774.8	-80.08
5237	4937.3	24686.7	-3501.0	25164.5	4459.5	-81.26

NODE Vxx Vyy

MAX Cent 0.0 -8095.3

5231	0.0	-7258.0
5117	0.0	-7819.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5116  0.0 -7819.1
5237  0.0 -7258.0
MIN Cent  0.0 -29390.6
5231  -0.0 -27979.7
5117  -0.0 -30801.6
5116  0.0 -30801.6
5237  0.0 -27979.7
    
```

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2293	3	3	env SL~1	MAX Cent	5272751.4	29506.2	862496.7	5276108.9	27863.9	1.64
				5232	5272751.4	74896.3	862496.7	5276148.1	73239.8	1.65
				5233	5272751.4	-15884.0	862496.7	5276070.5	-17512.1	1.62
				5239	5272751.4	-15884.0	862496.7	5276070.5	-17512.1	1.62
				5238	5272751.4	74896.3	862496.7	5276148.1	73239.8	1.65
				MIN Cent	-1156980.9	-134235.3	-5444.5	-80711.9	-1234204.3	77.64
				5232	-1156980.9	-102151.2	-5444.5	-50906.7	-1232163.6	77.97
				5233	-1156980.9	-166319.5	-5444.5	-110441.5	-1236349.7	77.30
				5239	-1156980.9	-166319.5	-5444.5	-110441.5	-1236349.7	77.30
				5238	-1156980.9	-102151.2	-5444.5	-50906.7	-1232163.6	77.97

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	16051.4	80257.2	-861.8	80553.9	15754.8	-86.12
5232	13890.0	69450.2	-683.8	69753.4	13586.7	-85.79
5233	12984.0	64920.0	-683.8	65244.2	12659.8	-85.50
5239	17892.6	89462.9	-1045.0	89764.5	17591.0	-86.29
5238	19439.2	97195.8	-1045.0	97473.6	19161.4	-86.59
MIN Cent	8480.6	42403.2	-4374.2	42841.7	8042.2	-83.55
5232	7929.7	39648.7	-4154.0	40079.7	7498.8	-83.40
5233	7360.2	36800.8	-4154.0	37264.2	6896.8	-82.90
5239	8804.4	44022.0	-4655.8	44074.6	8388.0	-87.79
5238	9651.4	48257.0	-4655.8	48305.0	9369.9	-87.98

NODE	Vxx	Vyy
MAX Cent	-0.0	-9664.2
5232	-0.0	-10266.7
5233	-0.0	-9061.7
5239	-0.0	-9061.7
5238	-0.0	-10266.7
MIN Cent	-0.0	-45141.2
5232	-0.0	-47906.2
5233	-0.0	-42376.2
5239	-0.0	-42376.2
5238	-0.0	-47906.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2294	3	3	env SL~1	MAX Cent	5236200.0	-153250.6	798827.2	5240428.0	-156365.1	1.93
				5233	5236200.0	-23194.3	798827.2	5240582.4	-26385.7	1.98
				5234	5236200.0	-252765.8	798827.2	5240280.9	-252801.9	1.89
				5240	5236200.0	-252765.8	798827.2	5240280.9	-252801.9	1.89
				5239	5236200.0	-23194.3	798827.2	5240582.4	-26385.7	1.98
				MIN Cent	-1184435.2	-271506.7	8380.3	-217195.6	-1257160.7	77.22
				5233	-1184435.2	-171810.4	8380.3	-123583.0	-1251006.7	78.31
				5234	-1184435.2	-371203.0	8380.3	-309921.7	-1264432.2	75.91
				5240	-1184435.2	-371203.0	8380.3	-309921.7	-1264432.2	75.91
				5239	-1184435.2	-171810.4	8380.3	-123583.0	-1251006.7	78.31
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	14972.6	74863.0	-765.5	75157.5	14678.2	-86.00
				5233	12984.0	64920.0	-645.6	65227.6	12676.5	-85.61
				5234	12155.2	60775.9	-645.6	61104.1	11827.0	-85.32
				5240	16858.7	84293.3	-881.1	84581.6	16570.4	-86.27
				5239	17892.6	89462.9	-881.1	89734.6	17620.9	-86.48
				MIN Cent	7896.9	39484.6	-4209.4	39911.7	7469.8	-83.41
				5233	7360.2	36800.8	-4029.1	37235.8	6925.2	-83.12
				5234	6889.6	34448.0	-4029.1	34911.7	6425.8	-82.67
				5240	8374.1	41870.6	-4418.1	41913.1	8074.2	-87.96
				5239	8804.4	44022.0	-4418.1	44062.4	8445.9	-88.06
				NODE	Vxx	Vyy				
				MAX Cent	0.0	-9594.3				
				5233	0.0	-9061.7				
				5234	0.0	-10119.0				
				5240	0.0	-10119.0				
				5239	0.0	-9061.7				
				MIN Cent	0.0	-41491.0				
				5233	0.0	-42376.2				
				5234	0.0	-40605.7				
				5240	-0.0	-40605.7				
				5239	-0.0	-42376.2				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2295	3	3	env SL~1	MAX Cent	5187196.6	-330946.0	669535.5	5189288.2	-331119.2	1.11
				5234	5187196.6	-259448.2	669535.5	5189328.3	-259627.8	1.13
				5235	5187196.6	-402443.9	669535.5	5189249.6	-402611.0	1.09
				5241	5187196.6	-402443.9	669535.5	5189249.6	-402611.0	1.09
				5240	5187196.6	-259448.2	669535.5	5189328.3	-259627.8	1.13
				MIN Cent	-1222130.0	-459980.6	-18556.1	-411310.4	-1278975.7	77.44
				5234	-1222130.0	-378742.0	-18556.1	-335604.3	-1274108.9	78.49

AUTOSTRADA VALDASTICO A31 NORD
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```
5235 -1222130.0 -541219.3 -18556.1 -486347.7 -1284710.6 76.20
5241 -1222130.0 -541219.3 -18556.1 -486347.7 -1284710.6 76.20
5240 -1222130.0 -378742.0 -18556.1 -335604.3 -1274108.9 78.49
```

```
NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
```

```
MAX Cent 14056.9 70284.5 -757.6 70598.4 13743.0 -85.74
```

```
5234 12155.2 60775.9 -645.0 61105.8 11825.2 -85.31
5235 11362.5 56812.5 -645.0 57165.2 11009.9 -84.99
5241 15851.3 79256.3 -865.1 79562.2 15545.3 -86.04
5240 16858.7 84293.3 -865.1 84581.2 16570.8 -86.27
```

```
MIN Cent 7499.4 37497.1 -4213.1 37813.6 7050.8 -87.95
```

```
5234 6889.6 34448.0 -4035.5 34912.9 6424.7 -82.66
5235 6446.9 32234.4 -4035.5 32730.1 5951.2 -82.18
5241 7985.7 39928.5 -4415.0 39972.0 7738.9 -87.89
5240 8374.1 41870.6 -4415.0 41912.1 8076.2 -87.99
```

```
NODE   Vxx   Vyy
```

```
MAX Cent 0.0 -10711.8
```

```
5234 0.0 -10119.0
5235 0.0 -11304.7
5241 0.0 -11304.7
5240 0.0 -10119.0
```

```
MIN Cent -0.0 -39678.8
```

```
5234 -0.0 -40605.7
5235 -0.0 -38751.8
5241 -0.0 -38751.8
5240 -0.0 -40605.7
```

```
ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
```

```
2296 3 3 env SL~1 MAX Cent 5150949.6 -441621.4 449330.8 5150974.2 -445876.6 0.12
```

```
5235 5150949.6 -406870.9 449330.8 5150974.5 -411198.2 0.12
5236 5150949.6 -476372.0 449330.8 5150973.9 -480557.4 0.12
5242 5150949.6 -476372.0 449330.8 5150973.9 -480557.4 0.12
5241 5150949.6 -406870.9 449330.8 5150974.5 -411198.2 0.12
```

```
MIN Cent -1243129.3 -619103.2 -94105.6 -542754.6 -1265757.8 79.90
```

```
5235 -1243129.3 -548214.3 -94105.6 -523782.6 -1265093.1 80.16
5236 -1243129.3 -689992.1 -94105.6 -561694.9 -1266456.5 79.63
5242 -1243129.3 -689992.1 -94105.6 -561694.9 -1266456.5 79.63
5241 -1243129.3 -548214.3 -94105.6 -523782.6 -1265093.1 80.16
```

```
NODE   Mxx   Myy   Mxy   Mmax   Mmin   ANGLE
```

```
MAX Cent 13092.2 65460.8 -807.0 65799.2 12753.8 -85.42
```

```
5235 11362.5 56812.5 -659.2 57162.0 11013.0 -85.01
5236 10453.3 52266.5 -659.2 52645.9 10074.0 -84.58
```

AUTOSTRADA VALDASTICO A31 NORD
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```

5242 14701.6 73508.1 -954.6 73843.5 14366.2 -85.69
5241 15851.3 79256.3 -954.6 79567.6 15539.9 -86.00
MIN Cent 7015.2 35076.0 -4222.8 35121.3 6537.3 -87.70
5235 6446.9 32234.4 -4023.8 32727.6 5953.7 -82.20
5236 5856.5 29282.3 -4023.8 29823.1 5315.7 -81.46
5242 7369.7 36848.3 -4453.7 36902.4 7140.5 -87.55
5241 7985.7 39928.5 -4453.7 39978.5 7722.2 -87.74

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 -11364.4
5235 0.0 -11304.7
5236 0.0 -11424.2
5242 0.0 -11424.2
5241 0.0 -11304.7
MIN Cent -0.0 -37713.9
5235 0.0 -38751.8
5236 0.0 -36676.1
5242 -0.0 -36676.1
5241 -0.0 -38751.8

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2297 3 3 env SL~1 MAX Cent 5162010.4 -389933.0 196154.3 5166029.7 -407750.1 -1.52
5236 5162010.4 -474304.4 196154.3 5165945.4 -491424.0 -1.49
5237 5162010.4 -305561.6 196154.3 5166117.6 -324135.0 -1.56
5243 5162010.4 -305561.6 196154.3 5166117.6 -324135.0 -1.56
5242 5162010.4 -474304.4 196154.3 5165945.4 -491424.0 -1.49
MIN Cent -1227486.8 -558386.1 -191273.6 -481937.9 -1232314.0 85.40
5236 -1227486.8 -687563.4 -191273.6 -575883.7 -1233009.9 84.74
5237 -1227486.8 -431324.4 -191273.6 -387837.2 -1231773.0 85.91
5243 -1227486.8 -431324.4 -191273.6 -387837.2 -1231773.0 85.91
5242 -1227486.8 -687563.4 -191273.6 -575883.7 -1233009.9 84.74

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 11880.7 59403.3 -936.1 59802.3 11481.7 -84.79
5236 10453.3 52266.5 -708.0 52660.4 10059.4 -84.48
5237 9377.8 46888.9 -708.0 47327.0 8939.7 -83.87
5243 12989.9 64949.6 -1176.6 65369.7 12569.8 -84.88
5242 14701.6 73508.1 -1176.6 73879.9 14329.8 -85.47
MIN Cent 6202.6 31013.1 -4372.6 31076.9 5637.3 -87.10
5236 5856.5 29282.3 -4105.1 29845.2 5293.6 -81.29
5237 5038.4 25191.8 -4105.1 25840.9 4389.3 -79.98
5243 6201.5 31007.4 -4690.9 31096.1 5761.4 -86.58
5242 7369.7 36848.3 -4690.9 36922.9 7072.2 -87.12

```

```

NODE Vxx Vyy

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

-----
MAX Cent  0.0 -10002.7
  5236  0.0 -11424.2
  5237  0.0 -8581.2
  5243  0.0 -8581.2
  5242  0.0 -11424.2
MIN Cent  0.0 -33930.0
  5236  0.0 -36676.1
  5237  0.0 -31184.0
  5243 -0.0 -31184.0
  5242 -0.0 -36676.1

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2298  3  3 env SL~1 MAX Cent 5283636.5 102974.3 32030.8 5290466.8 102657.4 -2.11
      5237 5283636.5 -288826.4 32030.8 5289877.8 -311511.0 -1.93
      5116 5283636.5 611795.0 32030.8 5291173.9 611335.8 -2.32
      5115 5283636.5 611795.0 32030.8 5291173.9 611335.8 -2.32
      5243 5283636.5 -288826.4 32030.8 5289877.8 -311511.0 -1.93
MIN Cent -1150511.6 -101888.6 -215164.2 -101255.2 -1151145.0 88.59
      5237 -1150511.6 -405846.4 -215164.2 -375272.0 -1151361.7 87.74
      5116 -1150511.6 165763.6 -215164.2 166268.3 -1151016.3 88.88
      5115 -1150511.6 165763.6 -215164.2 166268.3 -1151016.3 88.88
      5243 -1150511.6 -405846.4 -215164.2 -375272.0 -1151361.7 87.74

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 10536.7 52683.3 -894.2 53070.3 10149.7 -84.55
  5237 9377.8 46888.9 -676.0 47263.8 9002.9 -84.32
  5116 7984.7 39923.6 -676.0 40362.2 7546.1 -83.36
  5115 11794.2 58971.0 -1120.7 59366.6 11398.6 -84.79
  5243 12989.9 64949.6 -1120.7 65309.4 12630.2 -85.26
MIN Cent 5214.7 26073.6 -4057.1 26188.5 4601.5 -86.74
  5237 5038.4 25191.8 -3796.9 25749.8 4480.4 -80.68
  5116 3869.7 19348.3 -3796.9 20066.0 3135.8 -78.11
  5115 5165.9 25829.4 -4338.3 25927.5 4883.9 -86.07
  5243 6201.5 31007.4 -4338.3 31087.0 5842.8 -86.76

```

```

NODE Vxx Vyy
-----
MAX Cent  0.0 -7856.0
  5237  0.0 -8581.2
  5116  0.0 -7078.5
  5115  0.0 -7078.5
  5243  0.0 -8581.2
MIN Cent  0.0 -32035.9
  5237 -0.0 -31184.0
  5116 -0.0 -32887.7
  5115  0.0 -32887.7

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5243 0.0 -31184.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2299 3 3 env SL~1 MAX Cent 5275504.7 43272.6 627503.9 5275770.2 43007.0 -0.41
 5238 5275504.7 96964.2 627503.9 5275773.0 96695.9 -0.41
 5239 5275504.7 -10419.1 627503.9 5275767.5 -10681.9 -0.40
 5245 5275504.7 -10419.1 627503.9 5275767.5 -10681.9 -0.40
 5244 5275504.7 96964.2 627503.9 5275773.0 96695.9 -0.41
 MIN Cent -1151294.7 -105804.4 -111597.4 -92000.4 -1173850.5 83.99
 5238 -1151294.7 -62582.2 -111597.4 -49858.1 -1172976.8 84.22
 5239 -1151294.7 -149026.6 -111597.4 -134105.9 -1174792.8 83.74
 5245 -1151294.7 -149026.6 -111597.4 -134105.9 -1174792.8 83.74
 5244 -1151294.7 -62582.2 -111597.4 -49858.1 -1172976.8 84.22

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 21153.4 105767.0 -1604.9 106136.7 20783.7 -86.23
 5238 19240.2 96200.9 -1419.2 96557.2 18883.8 -86.12
 5239 17930.1 89650.4 -1419.2 90032.5 17548.0 -85.84
 5245 22697.3 113486.4 -1795.2 113879.7 22304.0 -86.24
 5244 24746.0 123730.2 -1795.2 124091.2 24385.1 -86.55
 MIN Cent 9676.1 48380.4 -5605.0 48472.2 9327.6 -87.21
 5238 9552.8 47763.9 -5249.0 47841.1 9095.2 -87.43
 5239 8819.0 44094.9 -5249.0 44177.8 8339.0 -87.23
 5245 9725.7 48628.5 -5988.1 48738.1 9345.4 -86.97
 5244 10604.2 53021.1 -5988.1 53121.6 10503.7 -87.22

NODE Vxx Vyy

MAX Cent -0.0 -8381.5
 5238 -0.0 -8956.3
 5239 0.0 -7806.8
 5245 -0.0 -7806.8
 5244 0.0 -8956.3
 MIN Cent -0.0 -44344.2
 5238 -0.0 -47532.7
 5239 0.0 -41155.7
 5245 -0.0 -41155.7
 5244 -0.0 -47532.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2300 3 3 env SL~1 MAX Cent 5238934.0 -139581.0 555096.3 5238973.0 -139620.1 -0.15
 5239 5238934.0 -17733.2 555096.3 5238974.0 -17773.2 -0.16
 5240 5238934.0 -231119.1 555096.3 5238972.2 -237074.4 -0.15
 5246 5238934.0 -231119.1 555096.3 5238972.2 -237074.4 -0.15

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

5245 5238934.0 -17733.2 555096.3 5238974.0 -17773.2 -0.16
MIN Cent -1180088.8 -249774.6 -107238.4 -238496.0 -1194985.4 83.75
5239 -1180088.8 -154785.4 -107238.4 -145146.9 -1193540.0 85.34
5240 -1180088.8 -344763.8 -107238.4 -332238.2 -1196723.2 83.07
5246 -1180088.8 -344763.8 -107238.4 -332238.2 -1196723.2 83.07
5245 -1180088.8 -154785.4 -107238.4 -145146.9 -1193540.0 85.34

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 19821.2 99106.1 -1326.4 99452.3 19475.1 -86.23
5239 17930.1 89650.4 -1273.0 90001.4 17579.1 -86.01
5240 16845.7 84228.4 -1273.0 84601.7 16472.3 -85.75
5246 21811.9 109059.3 -1357.5 109400.0 21471.1 -86.43
5245 22697.3 113486.4 -1357.5 113814.0 22369.7 -86.57
MIN Cent 9197.2 45985.8 -5250.1 46055.7 8914.8 -87.51
5239 8819.0 44094.9 -5029.7 44163.8 8396.6 -87.47
5240 8367.4 41837.1 -5029.7 41909.8 7974.9 -87.34
5246 9876.5 49382.7 -5463.2 49449.6 9804.8 -87.65
5245 9725.7 48628.5 -5463.2 48696.5 9484.4 -87.61

```

```

NODE Vxx Vyy
-----
MAX Cent 0.0 -10411.8
5239 0.0 -7806.8
5240 0.0 -13016.8
5246 0.0 -13016.8
5245 0.0 -7806.8
MIN Cent -0.0 -42014.6
5239 -0.0 -41155.7
5240 0.0 -42873.5
5246 -0.0 -42873.5
5245 -0.0 -41155.7

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2301 3 3 env SL~1 MAX Cent 5193079.5 -303975.8 428209.9 5193258.4 -312674.1 -0.32
5240 5193079.5 -237350.7 428209.9 5193261.6 -246351.1 -0.33
5241 5193079.5 -370600.9 428209.9 5193255.3 -379016.6 -0.32
5247 5193079.5 -370600.9 428209.9 5193255.3 -379016.6 -0.32
5246 5193079.5 -237350.7 428209.9 5193261.6 -246351.1 -0.33
MIN Cent -1215942.5 -429043.3 -131086.1 -423836.8 -1221149.1 85.36
5240 -1215942.5 -351934.6 -131086.1 -347187.4 -1220689.7 85.77
5241 -1215942.5 -506152.1 -131086.1 -500388.5 -1221706.1 84.87
5247 -1215942.5 -506152.1 -131086.1 -500388.5 -1221706.1 84.87
5246 -1215942.5 -351934.6 -131086.1 -347187.4 -1220689.7 85.77

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 18906.9 94534.6 -1286.7 94893.3 18548.2 -86.07
  5240 16845.7 84228.4 -1260.0 84601.8 16472.3 -85.75
  5241 15863.5 79317.7 -1260.0 79713.9 15467.3 -85.50
  5247 21106.6 105533.0 -1287.2 105877.2 20762.5 -86.35
  5246 21811.9 109059.3 -1287.2 109392.3 21478.8 -86.47
MIN Cent 9109.8 45548.9 -5220.6 45616.2 8954.7 -87.54
  5240 8367.4 41837.1 -5029.9 41908.8 7976.3 -87.35
  5241 7993.4 39967.0 -5029.9 40042.0 7662.1 -87.23
  5247 10201.7 51008.6 -5401.2 51068.2 10096.4 -87.81
  5246 9876.5 49382.7 -5401.2 49444.3 9815.0 -87.74

```

NODE Vxx Vyy

```

-----
MAX Cent -0.0 -15976.0
  5240 0.0 -13016.8
  5241 0.0 -18371.9
  5247 -0.0 -18371.9
  5246 0.0 -13016.8
MIN Cent -0.0 -44068.7
  5240 -0.0 -42873.5
  5241 -0.0 -45263.9
  5247 -0.0 -45263.9
  5246 -0.0 -42873.5

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
2302 3 3 env SL~1 MAX Cent 5160486.1 -405176.7 216215.7 5163048.1 -424519.1 -1.22
  5241 5160486.1 -374649.0 216215.7 5163074.5 -394278.5 -1.23
  5242 5160486.1 -435704.5 216215.7 5163022.2 -454767.9 -1.20
  5248 5160486.1 -435704.5 216215.7 5163022.2 -454767.9 -1.20
  5247 5160486.1 -374649.0 216215.7 5163074.5 -394278.5 -1.23
MIN Cent -1236316.9 -570140.5 -199957.2 -530907.0 -1236325.3 -89.80
  5241 -1236316.9 -510227.0 -199957.2 -510218.9 -1236325.1 -89.81
  5242 -1236316.9 -630311.0 -199957.2 -551595.2 -1236325.5 -89.80
  5248 -1236316.9 -630311.0 -199957.2 -551595.2 -1236325.5 -89.80
  5247 -1236316.9 -510227.0 -199957.2 -510218.9 -1236325.1 -89.81

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 17895.8 89479.2 -1462.7 89872.3 17502.7 -85.77
  5241 15863.5 79317.7 -1337.3 79718.6 15462.6 -85.47
  5242 14677.3 73386.3 -1337.3 73819.2 14244.4 -85.11
  5248 19936.0 99679.8 -1579.0 100068.1 19547.6 -86.02
  5247 21106.6 105533.0 -1579.0 105900.1 20739.6 -86.24
MIN Cent 8848.8 44244.0 -5319.5 44329.1 8763.7 -87.20
  5241 7993.4 39967.0 -5059.9 40049.3 7646.9 -87.10
  5242 7369.9 36849.3 -5059.9 36938.5 7027.5 -86.86
  5248 9830.2 49151.1 -5578.5 49237.3 9744.1 -87.32
  5247 10201.7 51008.6 -5578.5 51091.6 10061.9 -87.42

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	0.0	-19453.3
5241	0.0	-18371.9
5242	0.0	-20534.7
5248	0.0	-20534.7
5247	0.0	-18371.9
MIN Cent	-0.0	-45331.4
5241	-0.0	-45263.9
5242	-0.0	-45398.8
5248	0.0	-45398.8
5247	0.0	-45263.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2303	3	3	env SL~1	MAX Cent	5170714.7	-361675.2	-12367.3	5181859.8	-399037.8	-2.54
				5242	5170714.7	-433964.5	-12367.3	5181652.9	-470075.9	-2.49
				5243	5170714.7	-289385.9	-12367.3	5182074.6	-328087.7	-2.59
				5249	5170714.7	-289385.9	-12367.3	5182074.6	-328087.7	-2.59
				5248	5170714.7	-433964.5	-12367.3	5181652.9	-470075.9	-2.49
				MIN Cent	-1223100.1	-513821.9	-276777.7	-461915.0	-1226016.6	-86.46
				5242	-1223100.1	-628058.3	-276777.7	-545683.3	-1226377.3	-86.02
				5243	-1223100.1	-403076.6	-276777.7	-378075.5	-1225727.3	-86.81
				5249	-1223100.1	-403076.6	-276777.7	-378075.5	-1225727.3	-86.81
				5248	-1223100.1	-628058.3	-276777.7	-545683.3	-1226377.3	-86.02

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	16286.4	81432.1	-1870.3	81927.9	15790.6	-85.03
5242	14677.3	73386.3	-1532.3	73856.3	14207.2	-84.91
5243	13138.1	65690.4	-1532.3	66214.5	12614.0	-84.33
5249	17394.4	86972.0	-2238.7	87515.3	16851.1	-84.97
5248	19936.0	99679.8	-2238.7	100154.6	19461.1	-85.60
MIN Cent	7841.1	39205.4	-5704.8	39350.4	7655.4	-86.12
5242	7369.9	36849.3	-5274.3	36961.0	6961.2	-86.48
5243	6254.0	31269.8	-5274.3	31401.3	5795.2	-85.86
5249	7910.3	39551.3	-6172.2	39745.5	7716.1	-85.53
5248	9830.2	49151.1	-6172.2	49307.7	9673.6	-86.40

NODE	Vxx	Vyy

MAX Cent	0.0	-17695.5
5242	0.0	-20534.7
5243	0.0	-14284.7
5249	0.0	-14284.7
5248	0.0	-20534.7
MIN Cent	-0.0	-41072.0

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

5242 -0.0 -45398.8
5243 -0.0 -36745.2
5249 0.0 -36745.2
5248 0.0 -45398.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2304	3	3	env SL~1	MAX Cent 5281831.2	156735.6	-40059.2	5291957.8	5292809.0	149666.3	-2.63
				5243 5281831.2	-273564.5	-40059.2	5291957.8	-306187.3		-2.42
				5115 5281831.2	691082.1	-40059.2	5293816.1	680520.1		-2.87
				5114 5281831.2	691082.1	-40059.2	5293816.1	680520.1		-2.87
				5249 5281831.2	-273564.5	-40059.2	5291957.8	-306187.3		-2.42
				MIN Cent -1145318.8	-75925.0	-257758.3	-74341.0	-1146902.9		-87.80
				5243 -1145318.8	-377610.9	-257758.3	-362823.7	-1147469.8		-87.06
				5115 -1145318.8	206919.5	-257758.3	208172.9	-1146572.2		-88.26
				5114 -1145318.8	206919.5	-257758.3	208172.9	-1146572.2		-88.26
				5249 -1145318.8	-377610.9	-257758.3	-362823.7	-1147469.8		-87.06

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	14236.6	71183.1	-1842.8	71685.8	13733.9	-84.66
5243	13138.1	65690.4	-1475.0	66147.6	12680.9	-84.69
5115	11142.9	55714.5	-1475.0	56251.8	10605.6	-83.77
5114	15271.1	76355.6	-2238.3	76906.9	14719.8	-84.60
5249	17394.4	86972.0	-2238.3	87457.0	16909.4	-85.24
MIN Cent	6256.5	31282.4	-5373.9	31455.5	5998.5	-85.26
5243	6254.0	31269.8	-4923.1	31389.9	5882.5	-86.04
5115	4936.4	24681.9	-4923.1	24837.1	4125.3	-84.95
5114	5921.2	29605.9	-5829.3	29859.7	5667.4	-84.12
5249	7910.3	39551.3	-5829.3	39742.1	7719.4	-85.57

NODE Vxx Vyy

MAX Cent	0.0	-11330.0
5243	0.0	-14284.7
5115	0.0	-8357.0
5114	0.0	-8357.0
5249	0.0	-14284.7
MIN Cent	-0.0	-36192.3
5243	0.0	-36745.2
5115	0.0	-35639.3
5114	-0.0	-35639.3
5249	-0.0	-36745.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
------	-----	-----	----	------	-----	-----	-----	------	------	-------

2305	3	3	env SL~1	MAX Cent 5280269.6	67097.3	321070.8	5287420.1	60222.6		-2.12
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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5244 5280269.6 140235.2 321070.8 5287521.2 134341.5 -2.15
5245 5280269.6 -5768.5 321070.8 5287321.8 -12820.7 -2.09
5251 5280269.6 -5768.5 321070.8 5287321.8 -12820.7 -2.09
5250 5280269.6 140235.2 321070.8 5287521.2 134341.5 -2.15
MIN Cent -1143998.9 -69325.3 -235014.5 -69091.0 -1144294.8 -89.15
5244 -1143998.9 -5873.4 -235014.5 -5588.2 -1144253.4 -89.20
5245 -1143998.9 -132841.1 -235014.5 -132592.0 -1144341.4 -89.10
5251 -1143998.9 -132841.1 -235014.5 -132592.0 -1144341.4 -89.10
5250 -1143998.9 -5873.4 -235014.5 -5588.2 -1144253.4 -89.20

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 25502.1 127510.4 -2356.3 128013.6 24998.9 -85.99
5244 24367.2 121835.9 -2222.3 122301.3 23901.7 -86.06
5245 22764.3 113821.7 -2222.3 114319.6 22266.4 -85.78
5251 26212.3 131061.6 -2486.6 131615.9 25658.0 -85.85
5250 28664.5 143322.4 -2486.6 143829.7 28157.1 -86.20
MIN Cent 10171.6 50857.9 -7182.3 51567.2 9462.3 -82.54
5244 10352.6 51762.8 -6751.7 51909.5 10024.5 -86.60
5245 9762.0 48809.8 -6751.7 48965.1 9301.6 -86.40
5251 9515.2 47575.8 -7643.9 48385.9 8705.0 -81.79
5250 10526.2 52630.8 -7643.9 53365.9 9791.1 -82.54

```

NODE Vxx Vyy

```

MAX Cent -0.0 2605.7
5244 -0.0 1310.8
5245 -0.0 3991.4
5251 0.0 3991.4
5250 0.0 1310.8
MIN Cent -0.0 -33432.9
5244 -0.0 -37099.0
5245 -0.0 -29766.8
5251 -0.0 -29766.8
5250 -0.0 -37099.0

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2306 3 3 env SL~1 MAX Cent 5241446.9 -127016.4 244331.0 5247502.0 -133071.6 -1.92
5245 5241446.9 -13533.1 244331.0 5247632.5 -19718.7 -1.96
5246 5241446.9 -209922.8 244331.0 5247376.9 -238965.6 -1.88
5252 5241446.9 -209922.8 244331.0 5247376.9 -238965.6 -1.88
5251 5241446.9 -13533.1 244331.0 5247632.5 -19718.7 -1.96
MIN Cent -1175901.4 -228838.0 -237119.5 -226115.9 -1179273.4 -86.94
5245 -1175901.4 -139221.6 -237119.5 -136733.6 -1178925.5 -87.20
5246 -1175901.4 -318454.4 -237119.5 -315449.7 -1179691.8 -86.62
5252 -1175901.4 -318454.4 -237119.5 -315449.7 -1179691.8 -86.62
5251 -1175901.4 -139221.6 -237119.5 -136733.6 -1178925.5 -87.20

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	24323.9	121619.7	-1629.8	122034.6	23909.0	-86.27
5245	22764.3	113821.7	-1828.0	114251.6	22334.4	-86.08
5246	21784.1	108920.3	-1828.0	109369.3	21335.0	-85.90
5252	26535.0	132675.1	-1338.1	133061.5	26148.6	-86.55
5251	26212.3	131061.6	-1338.1	131452.7	25821.2	-86.51
MIN Cent	10450.7	52253.4	-6367.6	52711.7	9992.4	-84.05
5245	9762.0	48809.8	-6271.3	48919.2	9438.9	-86.97
5246	9857.2	49285.9	-6271.3	49394.2	9675.3	-87.00
5252	12107.8	60539.0	-6416.0	60874.9	11771.9	-85.26
5251	9515.2	47575.8	-6416.0	48001.5	9089.5	-84.00

NODE	Vxx	Vyy

MAX Cent	0.0	-6229.7
5245	0.0	3991.4
5246	0.0	-16450.7
5252	0.0	-16450.7
5251	0.0	3991.4
MIN Cent	-0.0	-35391.1
5245	-0.0	-29766.8
5246	-0.0	-41015.5
5252	-0.0	-41015.5
5251	-0.0	-29766.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2307	3	3	env SL~1	MAX Cent	5198801.1	-277788.8	119653.5	5205534.3	-311449.1	-2.00
				5246	5198801.1	-215706.1	119653.5	5205646.7	-250436.9	-2.03
				5247	5198801.1	-339871.5	119653.5	5205425.4	-372524.3	-1.96
				5253	5198801.1	-339871.5	119653.5	5205425.4	-372524.3	-1.96
				5252	5198801.1	-215706.1	119653.5	5205646.7	-250436.9	-2.03
				MIN Cent	-1209991.0	-399285.8	-258130.5	-390136.2	-1219605.6	-83.97
				5246	-1209991.0	-325272.3	-258130.5	-316873.3	-1218735.9	-84.46
				5247	-1209991.0	-473299.2	-258130.5	-463253.7	-1220637.3	-83.38
				5253	-1209991.0	-473299.2	-258130.5	-463253.7	-1220637.3	-83.38
				5252	-1209991.0	-325272.3	-258130.5	-316873.3	-1218735.9	-84.46

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	24264.2	121321.1	-1472.2	121716.5	23868.8	-86.36
5246	21784.1	108920.3	-1769.2	109362.3	21342.0	-85.94
5247	21130.6	105652.9	-1769.2	106108.4	20675.0	-85.81
5253	27607.2	138036.2	-1058.7	138375.5	27268.0	-86.83
5252	26535.0	132675.1	-1058.7	133027.9	26182.2	-86.71
MIN Cent	11797.3	58986.5	-6207.5	59275.1	11508.7	-85.54
5246	9857.2	49285.9	-6222.0	49388.5	9688.5	-87.08

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5247	10222.5	51112.4	-6222.0	51211.5	10048.8	-87.19
5253	14426.1	72130.3	-6129.8	72328.9	14227.4	-86.65
5252	12107.8	60539.0	-6129.8	60825.6	11821.3	-85.61

NODE Vxx Vyy

MAX Cent 0.0 -26203.2

5246	-0.0	-16450.7
5247	-0.0	-34599.5
5253	0.0	-34599.5
5252	0.0	-16450.7

MIN Cent -0.0 -48464.6

5246	-0.0	-41015.5
5247	-0.0	-55913.7
5253	0.0	-55913.7
5252	0.0	-41015.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2308 3 3 env SL~1 MAX Cent 5169374.9 -371144.6 -84413.1 5182716.0 -420771.5 -2.78

5247	5169374.9	-343605.7	-84413.1	5182834.4	-393885.6	-2.80
5248	5169374.9	-398683.4	-84413.1	5182599.6	-447673.7	-2.75
5254	5169374.9	-398683.4	-84413.1	5182599.6	-447673.7	-2.75
5253	5169374.9	-343605.7	-84413.1	5182834.4	-393885.6	-2.80

MIN Cent -1230182.4 -524668.9 -320525.1 -473081.0 -1257344.1 -79.27

5247	-1230182.4	-477337.5	-320525.1	-450947.3	-1256572.6	-79.57
5248	-1230182.4	-576704.3	-320525.1	-495170.0	-1258160.4	-78.96
5254	-1230182.4	-576704.3	-320525.1	-495170.0	-1258160.4	-78.96
5253	-1230182.4	-477337.5	-320525.1	-450947.3	-1256572.6	-79.57

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 23955.6 119777.8 -2029.5 120226.1 23507.2 -86.10

5247	21130.6	105652.9	-2024.0	106130.8	20652.6	-85.71
5248	19919.5	99597.6	-2024.0	100104.3	19412.9	-85.46
5254	27164.9	135824.4	-1999.6	136240.6	26748.7	-86.47
5253	27607.2	138036.2	-1999.6	138445.8	27197.7	-86.52

MIN Cent 12497.9 62489.5 -6569.8 62823.1 12164.3 -85.35

5247	10222.5	51112.4	-6373.8	51237.0	10016.0	-86.85
5248	9846.8	49234.0	-6373.8	49363.3	9705.3	-86.73
5254	15028.0	75140.1	-6737.6	75411.4	14756.7	-86.17
5253	14426.1	72130.3	-6737.6	72412.8	14143.6	-86.01

NODE Vxx Vyy

MAX Cent 0.0 -38488.7

5247	0.0	-34599.5
5248	0.0	-42377.9

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

5254 0.0 -42377.9
 5253 0.0 -34599.5
 MIN Cent -0.0 -59231.8
 5247 0.0 -55913.7
 5248 0.0 -62549.8
 5254 -0.0 -62549.8
 5253 -0.0 -55913.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2309 3 3 env SL~1 MAX Cent 5177246.3 -339688.6 -167312.8 5202486.9 -409641.8 -3.82
 5248 5177246.3 -397425.2 -167312.8 5202102.3 -465535.2 -3.77
 5249 5177246.3 -281951.9 -167312.8 5202883.5 -353847.4 -3.88
 5255 5177246.3 -281951.9 -167312.8 5202883.5 -353847.4 -3.88
 5254 5177246.3 -397425.2 -167312.8 5202102.3 -465535.2 -3.77
 MIN Cent -1219677.0 -480574.5 -388144.8 -412075.6 -1255317.2 -78.14
 5248 -1219677.0 -574940.6 -388144.8 -482026.9 -1258696.9 -77.05
 5249 -1219677.0 -386208.4 -388144.8 -341604.7 -1252456.8 -79.06
 5255 -1219677.0 -386208.4 -388144.8 -341604.7 -1252456.8 -79.06
 5254 -1219677.0 -574940.6 -388144.8 -482026.9 -1258696.9 -77.05

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 21898.0 109490.0 -3240.3 110143.4 21244.5 -85.08
 5248 19919.5 99597.6 -2605.9 100191.7 19325.5 -85.08
 5249 17599.2 87996.0 -2605.9 88667.0 16928.2 -84.45
 5255 22908.4 114541.9 -3956.7 115297.0 22153.2 -84.83
 5254 27164.9 135824.4 -3956.7 136462.7 26526.6 -85.63
 MIN Cent 11395.0 56975.0 -7593.7 57231.9 10942.6 -85.72
 5248 9846.8 49234.0 -6905.6 49436.1 9605.1 -85.91
 5249 8003.5 40017.5 -6905.6 40265.5 7755.5 -84.99
 5255 11867.1 59335.5 -8352.7 59689.3 11435.1 -85.08
 5254 15028.0 75140.1 -8352.7 75647.5 14520.7 -84.77

NODE Vxx Vyy

MAX Cent 0.0 -35524.0
 5248 0.0 -42377.9
 5249 0.0 -28670.1
 5255 -0.0 -28670.1
 5254 -0.0 -42377.9
 MIN Cent -0.0 -54192.2
 5248 0.0 -62549.8
 5249 0.0 -45834.7
 5255 -0.0 -45834.7
 5254 -0.0 -62549.8

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2310	3	3	env SL~1	MAX Cent	5277639.1	172667.7	-118936.6	5297220.5	116884.7	-3.50
				5249	5277639.1	-267323.7	-118936.6	5295816.5	-316735.6	-3.25
				5114	5277639.1	705268.7	-118936.6	5298858.5	624507.6	-3.79
				5113	5277639.1	705268.7	-118936.6	5298858.5	624507.6	-3.79
				5255	5277639.1	-267323.7	-118936.6	5295816.5	-316735.6	-3.25
				MIN Cent	-1142991.1	-64286.1	-320422.5	-51328.0	-1155949.2	-83.78
				5249	-1142991.1	-365535.5	-320422.5	-340120.1	-1161446.5	-81.32
				5114	-1142991.1	224701.0	-320422.5	234966.8	-1153256.9	-85.07
				5113	-1142991.1	224701.0	-320422.5	234966.8	-1153256.9	-85.07
				5255	-1142991.1	-365535.5	-320422.5	-340120.1	-1161446.5	-81.32
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	18306.4	91532.0	-3392.6	92269.0	17569.5	-84.30
				5249	17599.2	87996.0	-2588.1	88600.4	16994.7	-84.73
				5114	14394.0	71970.2	-2588.1	72706.2	13658.0	-83.59
				5113	18324.0	91620.0	-4293.8	92540.5	17403.6	-83.65
				5255	22908.4	114541.9	-4293.8	115281.4	22168.9	-84.89
				MIN Cent	8077.4	40387.1	-7382.8	40775.1	7689.5	-83.78
				5249	8003.5	40017.5	-6551.1	40258.8	7762.2	-85.06
				5114	5535.6	27677.8	-6551.1	28023.8	5004.2	-82.93
				5113	6903.5	34517.7	-8265.1	35209.5	6211.8	-81.12
				5255	11867.1	59335.5	-8265.1	59744.4	11413.2	-84.72
				NODE	Vxx	Vyy				
				MAX Cent	0.0	-22383.1				
				5249	0.0	-28670.1				
				5114	0.0	-11671.7				
				5113	-0.0	-11671.7				
				5255	-0.0	-28670.1				
				MIN Cent	-0.0	-39881.2				
				5249	-0.0	-45834.7				
				5114	-0.0	-33927.8				
				5113	-0.0	-33927.8				
				5255	-0.0	-45834.7				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2311	3	3	env SL~1	MAX Cent	5286999.9	100748.9	-76031.7	5315199.7	73345.4	-4.21
				5250	5286999.9	206866.9	-76031.7	5315776.3	179198.6	-4.29
				5251	5286999.9	-4311.2	-76031.7	5314645.7	-31956.9	-4.12
				5257	5286999.9	-4311.2	-76031.7	5314645.7	-31956.9	-4.12
				5256	5286999.9	206866.9	-76031.7	5315776.3	179198.6	-4.29
				MIN Cent	-1135091.3	-24787.5	-385545.2	5484.0	-1166323.5	-80.75
				5250	-1135091.3	68201.5	-385545.2	95556.1	-1163932.8	-81.52

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

5251 -1135091.3 -120140.9 -385545.2 -87192.3 -1169124.6 -79.94
 5257 -1135091.3 -120140.9 -385545.2 -87192.3 -1169124.6 -79.94
 5256 -1135091.3 68201.5 -385545.2 95556.1 -1163932.8 -81.52

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 25796.0 128980.1 -2825.3 129753.8 25022.3 -85.07
 5250 27767.6 138838.1 -3009.7 139502.6 27103.2 -85.59
 5251 26375.1 131875.5 -3009.7 132574.6 25676.0 -85.36
 5257 23575.4 117877.0 -2553.0 118793.0 22659.5 -84.40
 5256 25465.9 127329.6 -2553.0 128178.7 24616.8 -84.80
 MIN Cent 6697.8 33489.1 -8968.5 34803.1 5383.8 -77.80
 5250 9595.6 47978.2 -8616.4 48931.2 8642.7 -81.15
 5251 9659.5 48297.7 -8616.4 49249.9 8707.4 -81.18
 5257 4067.6 20338.1 -9338.8 22307.8 2098.0 -71.81
 5256 3456.4 17282.0 -9338.8 19518.7 1219.7 -69.54

NODE Vxx Vyy

MAX Cent 0.0 50690.2
 5250 -0.0 53153.8
 5251 -0.0 48275.5
 5257 0.0 48275.5
 5256 0.0 53153.8
 MIN Cent -0.0 5375.2
 5250 -0.0 11669.0
 5251 -0.0 -1194.9
 5257 -0.0 -1194.9
 5256 -0.0 11669.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2312 3 3 env SL~1 MAX Cent 5243574.0 -116380.7 -150613.8 5269576.5 -142383.2 -3.97
 5251 5243574.0 -12996.4 -150613.8 5270082.9 -39505.2 -4.05
 5252 5243574.0 -188624.6 -150613.8 5269089.1 -219395.1 -3.90
 5258 5243574.0 -188624.6 -150613.8 5269089.1 -219395.1 -3.90
 5257 5243574.0 -12996.4 -150613.8 5270082.9 -39505.2 -4.05
 MIN Cent -1172041.6 -209538.7 -386735.6 -160819.8 -1221626.7 -77.62
 5251 -1172041.6 -127530.9 -386735.6 -82321.5 -1218061.8 -78.49
 5252 -1172041.6 -291546.5 -386735.6 -238759.0 -1225749.2 -76.62
 5258 -1172041.6 -291546.5 -386735.6 -238759.0 -1225749.2 -76.62
 5257 -1172041.6 -127530.9 -386735.6 -82321.5 -1218061.8 -78.49

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 26152.9 130764.5 -901.0 131238.8 25678.6 -86.16
 5251 26375.1 131875.5 -1971.8 132405.2 25845.4 -85.96
 5252 26457.9 132289.5 -1971.8 132817.6 25929.8 -85.97

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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5258 28203.2 141016.0 412.1 141384.5 27834.7 -86.73
5257 23575.4 117877.0 412.1 118317.2 23135.2 -86.10
MIN Cent 9868.3 49341.7 -7059.6 49655.7 9554.4 -84.92
5251 9659.5 48297.7 -7494.5 48866.7 9090.5 -83.13
5252 12030.7 60153.5 -7494.5 60612.7 11571.5 -84.45
5258 13715.5 68577.5 -6458.0 68656.1 13636.8 -87.83
5257 4067.6 20338.1 -6458.0 20599.5 3806.2 -82.83

```

NODE Vxx Vyy

```

-----
MAX Cent 0.0 16865.3
5251 0.0 48275.5
5252 0.0 -14545.0
5258 -0.0 -14545.0
5257 -0.0 48275.5
MIN Cent -0.0 -29708.7
5251 -0.0 -1194.9
5252 -0.0 -58222.5
5258 -0.0 -58222.5
5257 -0.0 -1194.9

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
2313 3 3 env SL~1 MAX Cent 5204415.6 -252122.0 -251684.0 5230921.0 -319409.4 -3.96
5252 5204415.6 -193928.2 -251684.0 5231329.6 -252512.1 -4.02
5253 5204415.6 -310315.9 -251684.0 5230524.5 -386390.9 -3.90
5259 5204415.6 -310315.9 -251684.0 5230524.5 -386390.9 -3.90
5258 5204415.6 -193928.2 -251684.0 5231329.6 -252512.1 -4.02
MIN Cent -1204191.0 -370285.9 -405405.9 -298280.6 -1276196.3 -74.26
5252 -1204191.0 -297976.4 -405405.9 -230952.3 -1271215.0 -75.30
5253 -1204191.0 -442595.4 -405405.9 -364876.8 -1281909.7 -73.08
5259 -1204191.0 -442595.4 -405405.9 -364876.8 -1281909.7 -73.08
5258 -1204191.0 -297976.4 -405405.9 -230952.3 -1271215.0 -75.30

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 29494.7 147473.6 -293.2 147821.6 29146.7 -86.90
5252 26457.9 132289.5 -1735.6 132784.6 25962.9 -86.10
5253 27665.1 138325.6 -1735.6 138799.2 27191.5 -86.26
5259 35652.7 178263.3 1450.5 178463.8 35452.2 -87.85
5258 28203.2 141016.0 1450.5 141269.2 27950.0 -87.29
MIN Cent 16299.4 81497.0 -6417.2 81621.2 16175.2 -87.50
5252 12030.7 60153.5 -7255.1 60563.7 11620.6 -84.75
5253 14477.9 72389.3 -7255.1 72655.1 14212.0 -86.13
5259 23568.7 117843.5 -5350.3 117868.5 23543.7 -89.07
5258 13715.5 68577.5 -5350.3 68592.3 13700.7 -89.06

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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-----
MAX Cent  0.0 -42012.3
  5252  0.0 -14545.0
  5253  0.0 -68957.3
  5259  0.0 -68957.3
  5258  0.0 -14545.0
MIN Cent  0.0 -93667.9
  5252 -0.0 -58222.5
  5253 -0.0 -129113.3
  5259 -0.0 -129113.3
  5258 -0.0 -58222.5

```

```

ELEM MAT SEC LC  NODE  Fxx  Fyy  Fxy  Fmax  Fmin  ANGLE

```

```

2314  3  3 env SL*1 MAX Cent 5177583.5 -339545.1 -297089.8 5215698.7 -441184.1 -4.72
      5253 5177583.5 -313812.8 -297089.8 5216001.1 -416654.9 -4.76
      5254 5177583.5 -365277.4 -297089.8 5215401.0 -465740.0 -4.69
      5260 5177583.5 -365277.4 -297089.8 5215401.0 -465740.0 -4.69
      5259 5177583.5 -313812.8 -297089.8 5216001.1 -416654.9 -4.76
MIN Cent -1224696.2 -482844.7 -472844.1 -365735.1 -1331772.9 -70.55
      5253 -1224696.2 -446696.4 -472844.1 -342446.3 -1328946.4 -71.03
      5254 -1224696.2 -529213.3 -472844.1 -388884.7 -1334738.6 -70.06
      5260 -1224696.2 -529213.3 -472844.1 -388884.7 -1334738.6 -70.06
      5259 -1224696.2 -446696.4 -472844.1 -342446.3 -1328946.4 -71.03

```

```

NODE  Mxx  Myy  Mxy  Mmax  Mmin  ANGLE

```

```

MAX Cent 32195.9 160979.4 -2140.0 161426.8 31748.5 -86.63
  5253 27665.1 138325.6 -2557.9 138870.3 27120.4 -86.00
  5254 27185.3 135926.4 -2557.9 136480.6 26631.0 -85.93
  5260 38280.5 191402.5 -1570.6 191750.7 37932.3 -87.27
  5259 35652.7 178263.3 -1570.6 178637.1 35278.9 -87.07
MIN Cent 20042.3 100211.6 -7603.7 100421.8 19832.2 -87.07
  5253 14477.9 72389.3 -7783.0 72737.6 14129.5 -85.58
  5254 15066.4 75331.9 -7783.0 75666.8 14731.5 -85.75
  5260 27056.4 135281.8 -7310.4 135402.0 26936.2 -88.09
  5259 23568.7 117843.5 -7310.4 117981.4 23430.8 -87.81

```

```

NODE  Vxx  Vyy

```

```

MAX Cent  0.0 -82371.7
  5253  0.0 -68957.3
  5254  0.0 -95786.1
  5260  0.0 -95786.1
  5259  0.0 -68957.3
MIN Cent -0.0 -143497.7
  5253 -0.0 -129113.3
  5254 -0.0 -157882.2
  5260  0.0 -157882.2

```


AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5259 0.0 -129113.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2315	3	3	env SL~1	MAX Cent	5182283.4	-321957.8	-302759.6	5236678.9	-444231.9	-5.71
				5254	5182283.4	-364573.9	-302759.6	5236025.6	-484548.5	-5.64
				5255	5182283.4	-279341.7	-302759.6	5237347.5	-404000.1	-5.78
				5261	5182283.4	-279341.7	-302759.6	5237347.5	-404000.1	-5.78
				5260	5182283.4	-364573.9	-302759.6	5236025.6	-484548.5	-5.64
				MIN Cent	-1217090.9	-455224.8	-668312.1	-325238.9	-1334907.5	-70.69
				5254	-1217090.9	-528108.5	-668312.1	-380608.5	-1341851.0	-69.51
				5255	-1217090.9	-382341.0	-668312.1	-269811.0	-1328598.0	-72.25
				5261	-1217090.9	-382341.0	-668312.1	-269811.0	-1328598.0	-72.25
				5260	-1217090.9	-528108.5	-668312.1	-380608.5	-1341851.0	-69.51

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
------	-----	-----	-----	------	------	-------

MAX Cent	29609.4	148047.1	-5746.5	148972.0	28684.5	-84.97
5254	27185.3	135926.4	-4281.5	136701.9	26409.7	-85.19
5255	23219.5	116097.3	-4281.5	117002.9	22313.8	-84.39
5261	29752.4	148762.2	-7432.6	149953.3	28561.4	-84.32
5260	38280.5	191402.5	-7432.6	192331.8	37351.2	-85.56
MIN Cent	18590.0	92949.9	-10506.9	93573.6	17966.2	-84.79
5254	15066.4	75331.9	-9216.0	75890.8	14507.5	-84.52
5255	12049.8	60248.9	-9216.0	60649.8	11596.4	-84.81
5261	19958.1	99790.5	-11965.1	100585.4	19163.2	-84.33
5260	27056.4	135281.8	-11965.1	135870.8	26467.4	-85.79

NODE	Vxx	Vyy
------	-----	-----

MAX Cent	0.0	-76093.0
5254	-0.0	-95786.1
5255	-0.0	-56399.9
5261	0.0	-56399.9
5260	0.0	-95786.1
MIN Cent	-0.0	-128531.9
5254	-0.0	-157882.2
5255	-0.0	-99181.7
5261	0.0	-99181.7
5260	0.0	-157882.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2316	3	3	env SL~1	MAX Cent	5269101.2	131793.0	-214170.2	5306177.3	-25820.9	-4.78
				5255	5269101.2	-266486.8	-214170.2	5303826.4	-344964.1	-4.48
				5113	5269101.2	605518.4	-214170.2	5308866.9	355433.9	-5.13
				5112	5269101.2	605518.4	-214170.2	5308866.9	355433.9	-5.13

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5261 5269101.2 -266486.8 -214170.2 5303826.4 -344964.1 -4.48
MIN Cent -1144155.2 -70106.7 -590556.5 -28975.3 -1194280.0 -79.13
5255 -1144155.2 -364339.8 -590556.5 -298334.4 -1211593.9 -75.19
5113 -1144155.2 212194.0 -590556.5 245208.3 -1183499.9 -81.24
5112 -1144155.2 212194.0 -590556.5 245208.3 -1183499.9 -81.24
5261 -1144155.2 -364339.8 -590556.5 -298334.4 -1211593.9 -75.19

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 21980.9 109904.3 -6653.3 111245.9 20639.2 -83.01
5255 23219.5 116097.3 -4540.9 116973.9 22342.8 -84.48
5113 17067.0 85335.0 -4540.9 86518.4 15883.6 -82.56
5112 17884.5 89422.6 -9046.8 91722.3 15584.9 -79.99
5261 29752.4 148762.2 -9046.8 150172.3 28342.4 -83.82
MIN Cent 12212.2 61060.9 -10943.4 61967.0 11241.9 -82.31
5255 12049.8 60248.9 -9065.7 60693.9 11588.2 -84.54
5113 6205.9 31029.3 -9065.7 31872.7 5362.5 -79.73
5112 8140.3 40701.6 -13030.8 43046.3 5777.9 -75.47
5261 19958.1 99790.5 -13030.8 100836.2 18912.4 -83.51

```

NODE Vxx Vyy

```

MAX Cent 0.0 -31728.8
5255 0.0 -56399.9
5113 0.0 -7057.8
5112 0.0 -7057.8
5261 0.0 -56399.9
MIN Cent -0.0 -58659.5
5255 -0.0 -99181.7
5113 -0.0 -19755.6
5112 -0.0 -19755.6
5261 -0.0 -99181.7

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2317 3 3 env SL~1 MAX Cent 5295660.0 144049.3 -383040.6 5372658.4 69287.4 -6.94
5256 5295660.0 300963.0 -383040.6 5374966.4 223534.8 -7.15
5257 5295660.0 -9587.9 -383040.6 5370478.3 -81938.5 -6.75
5263 5295660.0 -9587.9 -383040.6 5370478.3 -81938.5 -6.75
5262 5295660.0 300963.0 -383040.6 5374966.4 223534.8 -7.15
MIN Cent -1124671.7 27310.9 -637100.3 145435.6 -1247560.7 -73.04
5256 -1124671.7 162214.1 -637100.3 269372.4 -1236537.8 -74.50
5257 -1124671.7 -114452.6 -637100.3 18555.9 -1260721.9 -71.28
5263 -1124671.7 -114452.6 -637100.3 18555.9 -1260721.9 -71.28
5262 -1124671.7 162214.1 -637100.3 269372.4 -1236537.8 -74.50

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

MAX Cent 10091.8 50459.0 -1656.6 52863.0 7687.8 -76.66
  5256 22945.9 114729.4 -3320.7 115944.8 21730.5 -83.48
  5257 24082.8 120414.1 -3320.7 121573.5 22923.4 -83.78
  5263 8899.9 44499.3 282.8 44501.5 8897.6 89.54
  5262 -2790.3 -13951.3 282.8 -1501.0 -13998.0 -21.24
MIN Cent -9825.0 -49125.1 -10140.2 -9087.7 -49862.4 -7.73
  5256 732.7 3663.6 -10631.5 9027.9 -4658.8 -51.20
  5257 4550.0 22749.9 -10631.5 24986.7 2313.1 -71.69
  5263 -17716.4 -88581.8 -9552.4 -17501.5 -88796.7 -3.15
  5262 -26890.2 -134451.2 -9552.4 -26748.4 -134593.0 -2.08

```

NODE Vxx Vyy

```

-----
MAX Cent 0.0 231756.5
  5256 0.0 243943.1
  5257 0.0 220401.3
  5263 0.0 220401.3
  5262 -0.0 243943.1
MIN Cent 0.0 57776.5
  5256 0.0 90094.6
  5257 -0.0 25376.2
  5263 0.0 25376.2
  5262 -0.0 90094.6

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

-----
2318 3 3 env SL~1 MAX Cent 5245069.3 -105038.9 -409278.7 5316712.1 -177188.4 -6.58
  5257 5245069.3 -19693.4 -409278.7 5317911.6 -89105.2 -6.69
  5258 5245069.3 -161641.7 -409278.7 5315550.6 -265307.3 -6.48
  5264 5245069.3 -161641.7 -409278.7 5315550.6 -265307.3 -6.48
  5263 5245069.3 -19693.4 -409278.7 5317911.6 -89105.2 -6.69
MIN Cent -1168744.1 -193051.3 -658860.9 -38551.2 -1326429.3 -69.86
  5257 -1168744.1 -123278.0 -658860.9 22658.4 -1318722.2 -70.82
  5258 -1168744.1 -262824.7 -658860.9 -98982.9 -1334845.4 -68.82
  5264 -1168744.1 -262824.7 -658860.9 -98982.9 -1334845.4 -68.82
  5263 -1168744.1 -123278.0 -658860.9 22658.4 -1318722.2 -70.82

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

-----
MAX Cent 19345.3 96726.5 2970.7 96840.4 19231.4 87.80
  5257 24082.8 120414.1 -617.5 121071.0 23426.0 -85.30
  5258 27950.7 139753.6 -617.5 140320.5 27383.8 -85.94
  5264 36716.6 183583.2 7282.4 183943.4 36356.4 87.17
  5263 8899.9 44499.3 7282.4 45931.4 7467.7 78.87
MIN Cent 3298.6 16492.9 -5850.1 16535.6 3255.9 86.75
  5257 4550.0 22749.9 -7981.4 23295.8 4004.1 -80.32
  5258 13453.8 67268.8 -7981.4 67458.3 13264.3 -86.61
  5264 12907.0 64534.9 -3206.7 65113.9 12327.9 83.99
  5263 -17716.4 -88581.8 -3206.7 -17292.3 -89005.9 4.41

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	-0.0	160123.6
5257	-0.0	220401.3
5258	0.0	99846.0
5264	-0.0	99846.0
5263	0.0	220401.3
MIN Cent	-0.0	-59791.7
5257	-0.0	25376.2
5258	-0.0	-144959.6
5264	-0.0	-144959.6
5263	-0.0	25376.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2319	3	3	env SL~1	MAX Cent	5210041.3	-226458.4	-439510.3	5283069.7	-352021.0	-6.58
				5258	5210041.3	-166556.2	-439510.3	5284139.6	-274063.8	-6.67
				5259	5210041.3	-281765.8	-439510.3	5282029.4	-430004.5	-6.49
				5265	5210041.3	-281765.8	-439510.3	5282029.4	-430004.5	-6.49
				5264	5210041.3	-166556.2	-439510.3	5284139.6	-274063.8	-6.67
				MIN Cent	-1198397.5	-341318.1	-781966.8	-149039.5	-1397684.4	-67.07
				5258	-1198397.5	-268755.4	-781966.8	-88022.1	-1387254.8	-68.21
				5259	-1198397.5	-413880.9	-781966.8	-208995.4	-1409096.4	-65.83
				5265	-1198397.5	-413880.9	-781966.8	-208995.4	-1409096.4	-65.83
				5264	-1198397.5	-268755.4	-781966.8	-88022.1	-1387254.8	-68.21

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	40619.9	203099.6	5205.6	203266.2	40453.3	88.17
5258	27950.7	139753.6	263.3	140195.6	27508.7	-86.41
5259	35820.1	179100.6	263.3	179446.1	35474.7	-87.19
5265	74131.8	370658.9	11088.0	371073.0	73717.8	87.86
5264	36716.6	183583.2	11088.0	184415.6	35884.2	85.71
MIN Cent	26026.1	130130.6	-3451.0	130146.4	26010.3	89.29
5258	13453.8	67268.8	-7043.9	67358.7	13363.9	-87.66
5259	23723.3	118616.3	-7043.9	118680.2	23659.3	-88.51
5265	44556.9	222784.5	886.4	222788.9	44552.5	89.72
5264	12907.0	64534.9	886.4	66339.2	11102.7	79.59

NODE	Vxx	Vyy

MAX Cent	-0.0	12210.3
5258	0.0	99846.0
5259	-0.0	-75425.4
5265	0.0	-75425.4
5264	0.0	99846.0
MIN Cent	-0.0	-255613.5

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

5258 -0.0 -144959.6
5259 -0.0 -366267.5
5265 -0.0 -366267.5
5264 0.0 -144959.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2320	3	3	env SL~1	MAX Cent 5185016.7	-310787.5	-477115.2	5275302.0	-491124.2	-7.24	
				5259 5185016.7	-285139.0	-477115.2	5275970.9	-450520.1	-7.29	
				5260 5185016.7	-336436.1	-477115.2	5274642.5	-520912.4	-7.19	
				5266 5185016.7	-336436.1	-477115.2	5274642.5	-520912.4	-7.19	
				5265 5185016.7	-285139.0	-477115.2	5275970.9	-450520.1	-7.29	
				MIN Cent -1219913.5	-448898.1	-971861.8	-214338.5	-1470544.6	-64.53	
				5259 -1219913.5	-418184.1	-971861.8	-189773.8	-1464965.6	-65.06	
				5260 -1219913.5	-488764.3	-971861.8	-238682.9	-1476325.8	-63.98	
				5266 -1219913.5	-488764.3	-971861.8	-238682.9	-1476325.8	-63.98	
				5265 -1219913.5	-418184.1	-971861.8	-189773.8	-1464965.6	-65.06	

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
------	-----	-----	-----	------	------	-------

MAX Cent	57562.2	287811.0	-529.8	287812.2	57561.0	-89.87
5259	35820.1	179100.6	-2381.0	179633.3	35287.5	-86.52
5260	38425.0	192125.0	-2381.0	192621.8	37928.2	-86.75
5266	88660.0	443300.0	1705.8	443308.2	88651.8	89.72
5265	74131.8	370658.9	1705.8	370668.8	74122.0	89.67
MIN Cent	39359.2	196795.9	-7234.2	196841.4	39313.6	-89.03
5259	23723.3	118616.3	-8752.4	118808.5	23531.0	-87.43
5260	27224.2	136120.8	-8752.4	136288.4	27056.6	-87.76
5266	57469.5	287347.7	-5338.0	287471.6	57345.6	-88.67
5265	44556.9	222784.5	-5338.0	222944.2	44397.2	-88.29

NODE	Vxx	Vyy
------	-----	-----

MAX Cent	0.0	-119919.3
5259	0.0	-75425.4
5260	0.0	-164413.2
5266	0.0	-164413.2
5265	0.0	-75425.4
MIN Cent	-0.0	-411517.0
5259	-0.0	-366267.5
5260	-0.0	-456766.6
5266	0.0	-456766.6
5265	0.0	-366267.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2321	3	3	env SL~1	MAX Cent 5186701.0	-305284.9	-467014.0	5296769.3	-497959.2	-7.96	

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5260 5186701.0 -336216.0 -467014.0 5295828.2 -539211.3 -7.90
5261 5186701.0 -274353.9 -467014.0 5297726.3 -449515.5 -8.03
5267 5186701.0 -274353.9 -467014.0 5297726.3 -449515.5 -8.03
5266 5186701.0 -336216.0 -467014.0 5295828.2 -539211.3 -7.90
MIN Cent -1214995.5 -433347.4 -1160742.7 -202734.7 -1468992.8 -65.21
5260 -1214995.5 -488292.2 -1160742.7 -245959.1 -1478793.9 -64.24
5261 -1214995.5 -378402.5 -1160742.7 -158849.8 -1459754.7 -66.12
5267 -1214995.5 -378402.5 -1160742.7 -158849.8 -1459754.7 -66.12
5266 -1214995.5 -488292.2 -1160742.7 -245959.1 -1478793.9 -64.24

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 51751.6 258757.8 -10798.2 259460.8 51048.6 -86.67
5260 38425.0 192125.0 -7515.7 193193.8 37356.2 -85.25
5261 30314.2 151570.8 -7515.7 152920.0 28964.9 -84.01
5267 57731.8 288659.0 -13901.9 289911.2 56479.5 -85.80
5266 88660.0 443300.0 -13901.9 444118.0 87842.0 -87.25
MIN Cent 36830.1 184150.3 -15768.2 184937.6 36042.8 -85.83
5260 27224.2 136120.8 -12861.6 136727.4 26617.5 -85.74
5261 20370.6 101852.9 -12861.6 102660.2 19563.3 -84.34
5267 37120.9 185604.6 -19123.6 188028.0 34697.5 -82.78
5266 57469.5 287347.7 -19123.6 288927.7 55889.5 -85.28

```

NODE Vxx Vyy

```

MAX Cent 0.0 -111588.3
5260 0.0 -164413.2
5261 0.0 -58763.5
5267 0.0 -58763.5
5266 0.0 -164413.2
MIN Cent -0.0 -370261.9
5260 -0.0 -456766.6
5261 0.0 -283757.3
5267 -0.0 -283757.3
5266 -0.0 -456766.6

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2322 3 3 env SL~1 MAX Cent 5253856.8 7033.9 -339690.2 5326623.6 -130244.1 -6.63
5261 5253856.8 -264304.8 -339690.2 5323065.6 -396184.7 -6.31
5112 5253856.8 314990.6 -339690.2 5330561.6 144822.8 -6.98
5111 5253856.8 314990.6 -339690.2 5330561.6 144822.8 -6.98
5267 5253856.8 -264304.8 -339690.2 5323065.6 -396184.7 -6.31
MIN Cent -1149853.6 -98598.8 -1015197.1 1612.1 -1280925.6 -73.56
5261 -1149853.6 -364123.8 -1015197.1 -227667.2 -1311546.9 -69.78
5112 -1149853.6 151731.7 -1015197.1 238217.0 -1259216.5 -75.98
5111 -1149853.6 151731.7 -1015197.1 238217.0 -1259216.5 -75.98
5267 -1149853.6 -364123.8 -1015197.1 -227667.2 -1311546.9 -69.78

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	24799.1	123995.6	-13673.3	126523.0	22271.7	-81.04
5261	30314.2	151570.8	-8864.0	153096.2	28788.8	-83.64
5112	15847.8	79239.0	-8864.0	82067.4	13019.5	-78.32
5111	9521.1	47605.5	-18961.7	58979.9	-1083.6	-64.26
5267	57731.8	288659.0	-18961.7	291097.1	55293.6	-84.16
MIN Cent	19112.5	95562.6	-18700.8	97934.5	16740.6	-80.16
5261	20370.6	101852.9	-13685.4	102861.1	19362.5	-83.69
5112	6666.4	33332.2	-13685.4	36027.9	3516.2	-73.20
5111	2669.4	13347.2	-26035.1	33033.4	-17016.8	-51.16
5267	37120.9	185604.6	-26035.1	189526.7	33198.8	-80.89

NODE	Vxx	Vyy

MAX Cent	0.0	27503.3
5261	0.0	-58763.5
5112	0.0	113770.1
5111	0.0	113770.1
5267	0.0	-58763.5
MIN Cent	0.0	-152200.0
5261	-0.0	-283757.3
5112	-0.0	-22905.3
5111	0.0	-22905.3
5267	0.0	-283757.3

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2361	3	3	env SL~1	MAX Cent	5771916.5	4354787.5	-17137.2	5825928.5	4300698.0	-10.85
				5008	7470981.6	5033342.9	-11534.1	7511992.3	4992849.5	-7.32
				5125	7438948.3	3680023.0	-22683.6	7455462.7	3663752.3	-3.78
				5268	4114324.0	3692153.7	-22583.8	4228833.6	3577573.2	-24.83
				5272	4089362.7	5021212.2	-11636.4	5118219.9	3992606.1	-72.93
				MIN Cent	-1384126.6	-1205574.8	-290597.8	-1201772.7	-1387928.8	-81.78
				5008	-1651046.2	-1319472.5	-325039.9	-1318204.7	-1652156.5	-86.47
				5125	-1645935.6	-1094871.5	-256348.2	-1093625.9	-1647687.6	-87.25
				5268	-1123427.7	-1096824.0	-256963.9	-1078572.2	-1144027.6	-54.73
				5272	-1119537.3	-1317436.3	-324424.2	-1117407.5	-1319566.1	-5.89

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-34793.4	260230.1	19502.3	260870.0	-35434.1	-87.35
5008	667707.2	556060.6	248492.0	865583.5	356565.5	38.76
5125	9796.2	520145.2	-16093.5	530431.2	-489.9	-82.00
5268	-246736.0	-106326.3	-93134.4	-59925.5	-293180.2	-63.50
5272	-236024.0	105275.7	78787.4	109041.9	-237499.7	84.36
MIN Cent	-232378.8	769.1	-23959.5	2866.0	-233828.1	83.76
5008	12384.3	321768.1	68504.1	373515.9	767.9	59.42

AUTOSTRADA VALDASTICO A31 NORD
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5125 -301185.4 -84688.7 -73902.9 -83479.5 -302630.3 -85.70
 5268 -665948.5 -397612.5 -176435.5 -310126.4 -753434.6 -63.63
 5272 -400026.0 -45147.5 -1317.0 -29184.3 -416456.4 78.02

NODE Vxx Vyy

MAX Cent 223415.0 183645.7

5008 364811.3 172536.2
 5125 364311.8 245475.4
 5268 84448.7 237258.1
 5272 84004.0 155788.2

MIN Cent 31727.8 98725.1

5008 36109.4 78124.9
 5125 37260.8 105164.5
 5268 -26629.2 93893.0
 5272 -25651.7 72090.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2362 3 3 env SL~1 MAX Cent 3718267.0 3236595.1 248999.7 5069283.0 1885657.0 -40.65

5125 2939374.2 3127392.5 252722.9 4605888.2 1460878.5 -46.71
 5110 2952460.2 3347110.1 245297.0 4739821.1 1559526.1 -48.59
 5138 4479587.4 3345013.6 245364.8 5588635.7 2235001.0 -35.14
 5268 4492195.3 3129375.0 252655.2 5522514.2 2099510.5 -33.27

MIN Cent -920141.9 -858572.3 -1578304.6 -641169.8 -1136746.2 48.25

5125 -732629.7 -974462.7 -1574434.2 -573797.6 -1128826.0 32.34
 5110 -735470.0 -744345.2 -1582153.7 -496438.1 -981390.5 44.16
 5138 -1103423.9 -746394.9 -1582083.3 -623972.9 -1225929.4 63.14
 5268 -1106768.6 -972354.6 -1574504.6 -781031.7 -1297556.0 52.28

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 118268.5 181063.0 -143354.1 305675.1 -548.6 -50.73

5125 168744.5 546060.2 -112564.8 580976.8 135418.4 -73.80
 5110 58112.9 79642.5 -82800.4 155016.6 -14929.2 -48.72
 5138 494258.4 220228.0 -129991.8 552890.2 161596.1 -22.77
 5268 -227679.8 -108247.7 -157861.6 4307.7 -340059.3 -55.23

MIN Cent -389957.0 -269144.5 -286137.0 -46791.2 -618776.4 -51.15

5125 -67025.9 -59379.9 -225554.6 154673.0 -281078.8 -45.50
 5110 -686706.0 -644533.2 -252256.8 -414748.5 -917804.4 -47.24
 5138 -191677.3 19558.8 -286141.3 209975.6 -382326.4 -55.44
 5268 -641131.0 -399472.8 -262061.4 -231726.3 -808877.5 -57.38

NODE Vxx Vyy

MAX Cent 32752.1 102146.2

5125 219913.6 237749.6
 5110 216992.3 -20410.0

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5138 -145395.9 -27215.7
5268 -147247.1 225147.4
MIN Cent -139185.2 -69375.9
5125 8262.2 98695.4
5110 6122.5 -227697.6
5138 -286220.2 -236916.0
5268 -288467.2 83363.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2363	3	3	env SL~1	MAX Cent 4391670.1	4549047.1	-53130.0	4636281.8	4304491.1	-59.15	
				5272	4137274.4	4699690.1	-51471.0	4738067.3	4098950.1	-75.80
				5268	4138920.4	4398813.0	-54784.5	4460107.8	4077625.5	-66.40
				5269	4642474.6	4401495.4	-54755.0	4707007.9	4336962.1	-24.68
				5273	46444980.1	4697007.7	-51500.5	4824947.8	4517147.4	-49.89
				MIN Cent -1206771.6	-1212100.9	-181753.8	-1148207.9	-1270664.6	-43.75	
				5272	-1124700.8	-1257004.5	-182775.1	-1101901.9	-1279803.4	-20.98
				5268	-1125242.4	-1167319.2	-180735.2	-1079983.8	-1212577.9	-35.75
				5269	-1287683.8	-1168118.8	-180753.3	-1142299.2	-1314635.5	-67.41
				5273	-1288481.6	-1256204.9	-182756.9	-1210697.3	-1333989.2	-52.59

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-335364.1	-91895.4	-116344.2	-45140.3	-382034.6	-68.16
5272	-225654.6	155622.3	-77020.1	173861.2	-244706.9	-77.03
5268	-226747.3	2855.4	-124939.4	60686.5	-281776.3	-66.36
5269	-369487.4	-217960.5	-148588.6	-135087.4	-463679.3	-57.63
5273	-449814.7	-245830.0	-98013.4	-204248.9	-491395.7	-67.63
MIN Cent	-628465.7	-230587.6	-181403.5	-160298.2	-698755.2	-68.82
5272	-377860.0	47084.5	-121907.8	77962.6	-409447.0	-75.17
5268	-629440.7	-191514.4	-197309.8	-117773.2	-705158.2	-69.02
5269	-813733.9	-387485.0	-231773.5	-285742.8	-915476.0	-66.30
5273	-702626.2	-399718.2	-152509.0	-334910.0	-763716.1	-66.98

NODE	Vxx	Vyy
MAX Cent	69084.4	142158.2
5272	86688.2	192575.0
5268	86283.7	93715.9
5269	52311.6	92320.6
5273	51919.7	190302.0
MIN Cent	-35848.1	89969.1
5272	-23425.7	123042.0
5268	-23751.0	58091.9
5269	-48414.5	57253.1
5273	-48739.8	121673.4

AUTOSTRADA VALDASTICO A31 NORD
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ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2364	3	3	env SL~1	MAX Cent	4421406.3	4807115.8	84665.7	5115793.9	4112728.2	-56.31
				5268	4756569.1	4386553.9	83135.5	5062165.3	4080957.6	-33.92
				5138	4754200.6	5226545.0	86191.7	5517746.7	4462998.9	-58.30
				5139	4090973.1	5218990.4	86164.2	5390037.0	3919926.5	-70.06
				5269	4087910.5	4394108.4	83163.0	4720638.3	3761380.6	-54.31
				MIN Cent	-1172870.4	-1225932.5	-463630.1	-1110676.1	-1288126.7	36.30
				5268	-1170846.2	-1150997.1	-455041.3	-1077195.9	-1244647.5	48.40
				5138	-1170924.8	-1301001.4	-472195.8	-1127919.5	-1343671.2	26.52
				5139	-1174865.7	-1299648.4	-472041.5	-1132231.0	-1343377.7	26.56
				5269	-1174820.6	-1152343.2	-455195.5	-1081549.5	-1247500.9	48.91
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent	154095.2	-10467.0	-161017.1	262101.2	-109706.1	-32.11
				5268	-211245.6	3038.3	-175527.2	107095.1	-310049.2	-60.70
				5138	436401.6	-35347.8	-132765.1	475617.1	-71210.7	-15.39
				5139	828776.2	250238.6	-116656.8	854496.2	216189.0	-11.58
				5269	-392596.4	-222853.1	-162131.8	-132964.9	-493842.6	-58.02
				MIN Cent	-378938.7	-193024.3	-270226.3	-9308.9	-569873.6	-54.97
				5268	-607433.8	-192682.7	-281345.4	-55701.8	-749437.5	-63.26
				5138	-278683.5	-378799.4	-244446.8	-85874.4	-573260.5	-39.34
				5139	176374.4	167140.5	-216654.9	387782.4	-27859.2	-45.49
				5269	-853417.3	-396056.1	-255687.2	-281705.0	-967768.4	-65.90
				NODE	Vxx	Vyy				
				MAX Cent	-229061.7	-4912.5				
				5268	-145806.0	85601.4				
				5138	-146478.1	-80042.7				
				5139	-311149.2	-82166.4				
				5269	-311813.2	78195.4				
				MIN Cent	-384310.0	-71182.3				
				5268	-285855.6	53020.9				
				5138	-286551.2	-196574.9				
				5139	-495315.5	-199288.9				
				5269	-496303.1	48063.8				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2365	3	3	env SL~1	MAX Cent	4662222.6	4487702.2	29364.7	4666560.1	4483364.7	8.85
				5273	4627790.5	4367774.5	33125.7	4631576.7	4363988.3	6.83
				5269	4628192.5	4607435.7	25609.8	4644061.3	4591566.9	33.35
				5270	4696283.0	4605326.6	25676.0	4702308.7	4599300.9	14.00
				5274	4696220.1	4369883.5	33059.5	4699240.1	4366863.6	5.47
				MIN Cent	-1288251.1	-1203913.4	-52863.1	-1202604.3	-1289560.2	-82.95
				5273	-1286462.9	-1199350.1	-50844.4	-1198047.5	-1287765.4	-83.08

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5269 -1286480.5 -1208469.4 -54878.5 -1207094.8 -1287855.1 -82.50
 5270 -1290020.1 -1208389.1 -54843.0 -1207072.9 -1291336.3 -82.82
 5274 -1290020.0 -1199430.3 -50879.9 -1198177.0 -1291273.4 -83.34

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -448585.7 -311439.9 -94811.6 -262063.2 -503142.5 -63.63
 5273 -443456.0 -207153.5 -115777.1 -159265.4 -491344.0 -67.68
 5269 -367097.3 -185860.1 -112448.9 -136872.8 -425341.5 -67.64
 5270 -338698.7 -321217.0 -65256.4 -264719.0 -396260.4 -48.58
 5274 -561904.0 -531060.7 -66043.3 -474639.1 -618325.6 -51.20
 MIN Cent -778031.0 -495365.3 -149603.0 -430892.3 -842504.0 -66.69
 5273 -694033.2 -340826.6 -177076.3 -267751.0 -763794.2 -67.97
 5269 -806411.6 -337748.6 -177420.8 -278159.4 -866000.8 -71.43
 5270 -766228.6 -503667.1 -109951.8 -461679.6 -805894.1 -70.16
 5274 -857521.7 -807354.5 -105628.9 -725532.3 -938575.5 -51.41

NODE Vxx Vyy

MAX Cent 21729.8 133893.2
 5273 52906.7 181218.5
 5269 52654.7 87941.9
 5270 -9013.1 87017.1
 5274 -9262.7 179554.8
 MIN Cent -69854.2 85928.2
 5273 -47778.7 124448.1
 5269 -47974.3 48784.0
 5270 -92112.2 47846.5
 5274 -92311.2 122765.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2366 3 3 env SL~1 MAX Cent 4169632.7 5072100.7 192364.9 5109204.3 4132529.1 78.76
 5269 4141219.5 4513005.9 200023.6 4596083.6 4058141.8 66.86
 5139 4141568.0 5630293.2 184718.4 5651523.3 4120338.0 83.24
 5140 4197738.7 5620406.9 184853.9 5642626.7 4175519.0 82.93
 5270 4197669.2 4522892.2 199888.2 4613616.0 4106945.4 64.97
 MIN Cent -1214433.1 -1338826.2 44365.9 -1197112.6 -1356443.5 19.29
 5269 -1196231.6 -1189270.5 42334.0 -1144661.3 -1240840.7 47.08
 5139 -1196376.3 -1488140.7 46394.5 -1187362.1 -1497154.9 9.82
 5140 -1233184.3 -1485496.1 46358.6 -1223167.4 -1495777.5 11.09
 5270 -1233221.7 -1191915.0 42369.9 -1160305.4 -1264300.5 57.16

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 212789.5 -81825.1 -65753.1 228742.7 -96094.9 -12.64
 5269 -390478.6 -190569.8 -105648.5 -144026.5 -439695.4 -68.66
 5139 792505.4 74035.4 -77544.3 802085.7 64986.9 -6.54

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5140 935157.6 162534.0 -15726.2 935558.1 162133.5 -1.30
 5270 -423356.9 -335818.2 -44965.8 -315655.6 -442742.3 -71.62
 MIN Cent -297434.9 -208475.3 -122253.8 -135532.7 -368760.6 -57.35
 5269 -846579.2 -345868.4 -178962.3 -291862.8 -900584.7 -72.67
 5139 124434.4 -59837.2 -133290.6 182694.6 -118216.6 -26.15
 5140 352295.4 83791.0 -45338.7 354946.6 81139.8 -5.65
 5270 -883385.7 -525565.6 -91916.4 -507338.0 -899323.6 -78.37

NODE Vxx Vyy

MAX Cent -343525.8 13855.2
 5269 -311180.2 77175.1
 5139 -311382.3 -24401.6
 5140 -375479.1 -24612.4
 5270 -375679.1 74864.3
 MIN Cent -546818.8 7281.0
 5269 -495324.7 39605.2
 5139 -495635.3 -47951.2
 5140 -597699.3 -48456.8
 5270 -598006.5 38640.0

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2367 3 3 env SL~1 MAX Cent 4614376.7 4218133.6 360527.3 4821185.5 4011324.8 30.35
 5274 4643910.1 4230054.8 360237.6 4846014.1 4027950.8 29.80
 5270 4643796.0 4206225.3 360816.6 4840717.4 4009304.0 29.12
 5271 4585111.3 4206431.9 360811.6 4796758.6 3994784.6 30.91
 5275 4585032.1 4229848.3 360242.6 4802447.4 4012433.0 31.64
 MIN Cent -1233507.3 -1180777.6 57665.4 -1141096.7 -1274880.9 56.76
 5274 -1285080.1 -1212987.3 58530.4 -1177808.7 -1321689.7 60.20
 5270 -1284864.2 -1148602.8 56801.2 -1126159.4 -1307464.7 69.39
 5271 -1182402.6 -1149160.8 56816.2 -1103814.6 -1229662.8 52.78
 5275 -1182280.8 -1212429.3 58515.5 -1134117.1 -1263276.2 38.10

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -387882.8 -406023.3 44881.7 -352950.4 -440955.7 39.05
 5274 -567443.1 -555358.7 -26173.8 -523714.0 -599087.8 -49.61
 5270 -349016.4 -358545.4 43897.9 -318361.2 -399284.9 37.99
 5271 -201320.1 -232362.0 145962.0 -107329.6 -326352.5 40.93
 5275 -391240.3 -418628.5 45351.9 -359324.9 -450543.9 36.26
 MIN Cent -699204.9 -698206.8 29367.3 -654335.8 -743075.9 45.32
 5274 -865615.1 -844031.4 -60015.8 -796796.7 -912982.9 -49.69
 5270 -781909.7 -574620.1 24689.6 -565707.0 -790822.8 78.52
 5271 -549606.5 -568802.9 93377.4 -415374.0 -704477.4 43.09
 5275 -602185.7 -814257.0 32964.8 -593152.4 -823290.2 11.43

NODE Vxx Vyy

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MAX Cent -3794.1 18734.9

5274 -8608.1 17623.5
5270 -8605.2 19608.6
5271 989.2 19795.8
5275 991.9 17981.4

MIN Cent -78078.6 -52736.5

5274 -91873.9 -60914.5
5270 -91848.6 -45373.7
5271 -64388.5 -44875.0
5275 -64363.5 -59926.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2368 3 3 env SL~1 MAX Cent 4219274.8 4707929.3 948268.8 5431714.4 3495489.7 52.31

5270 4130307.4 4148058.9 953639.2 5081389.5 3196976.8 45.27
5140 4130701.1 5267193.9 942904.3 5789997.5 3607897.5 60.69
5141 4307433.4 5257456.1 942997.7 5828053.0 3736836.5 58.51
5271 4307621.5 4157796.7 953545.8 5177753.7 3287664.5 42.73

MIN Cent -1181101.8 -1288971.8 19371.1 -1172793.7 -1296804.9 15.07

5270 -1222627.4 -1138397.1 17951.8 -1129453.1 -1231849.7 72.72
5140 -1222519.6 -1439383.5 20789.0 -1217755.8 -1443894.2 8.39
5141 -1139953.4 -1436764.6 20764.3 -1136454.2 -1440088.6 6.19
5271 -1139790.7 -1141016.0 17976.5 -1111213.4 -1169627.8 44.00

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 201812.5 -113621.9 178063.7 242832.0 -151968.8 18.49

5270 -432565.6 -372648.3 104641.5 -326977.6 -489814.7 53.63
5140 942566.2 206582.2 98900.6 947322.3 201826.1 4.58
5141 656925.6 -15066.5 224094.2 685181.7 -41416.3 11.32
5271 -299671.1 -250748.4 230511.8 -120298.8 -430120.7 49.54

MIN Cent -284729.3 -341224.3 101491.5 -135569.5 -490733.8 41.09

5270 -897753.5 -595792.5 58041.4 -563075.0 -930471.0 72.64
5140 362018.2 126564.8 47643.3 397368.5 103455.0 20.29
5141 65530.5 -318555.9 128936.5 162825.5 -416141.3 24.31
5271 -726966.0 -601370.9 139248.5 -428384.6 -902721.3 52.72

NODE Vxx Vyy

MAX Cent -322868.6 87849.0

5270 -375066.4 11470.3
5140 -374923.2 164393.2
5141 -271117.2 164533.5
5271 -270975.8 14382.0

MIN Cent -517479.4 6715.1

5270 -597072.6 -53279.0
5140 -596856.1 63292.0
5141 -438565.1 63413.6

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5271 -438351.4 -50480.6

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2369	3	3	env SL~1	MAX Cent	4950069.1	3934195.5	1078206.2	5621827.7	3262436.9	32.25
				5275	4496738.0	3851389.5	1081935.6	5290098.9	3058028.6	36.60
				5271	4481220.7	4017949.2	1074434.0	5336285.0	3163518.5	38.89
				5195	5416446.2	4016446.7	1074501.7	5987675.9	3445217.0	28.29
				5194	5400296.0	3852892.0	1081868.0	5945642.8	3307545.1	27.04
				MIN Cent	-1310832.7	-1158348.5	34782.0	-1144499.6	-1322335.3	75.27
				5275	-1181986.8	-1192518.2	36174.6	-1140302.0	-1236217.2	42.68
				5271	-1177353.5	-1123787.8	33373.4	-1099396.2	-1202675.7	61.54
				5195	-1443390.4	-1124407.8	33398.7	-1117611.5	-1448877.6	81.73
				5194	-1439011.6	-1191898.2	36149.3	-1182123.4	-1446914.6	78.88

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	-116323.2	185240.4	171920.6	233364.5	-161442.2	69.93
5275	-412025.5	-493245.9	114277.9	-344578.0	-560693.4	33.96
5271	-229273.8	-326262.1	234541.1	-103411.9	-452124.0	36.93
5195	29291.4	679583.0	211987.1	709351.2	1534.0	78.20
5194	158563.7	942318.8	83166.9	947156.2	153726.3	85.52
MIN Cent	-344663.5	-278365.6	117137.6	-139465.8	-484520.7	49.84
5275	-629806.4	-920721.9	83501.3	-590284.7	-960243.6	19.08
5271	-598313.3	-752548.3	156322.4	-431370.7	-922177.2	35.80
5195	-249478.1	107515.8	133677.6	199881.4	-341741.3	65.56
5194	90848.5	387825.1	58270.5	408162.8	74225.0	75.71

NODE Vxx Vyy

MAX Cent	58669.4	-309368.3
5275	9061.5	-362876.3
5271	6769.7	-258580.9
5195	112047.2	-255857.6
5194	109657.2	-358987.6
MIN Cent	-16002.4	-512650.1
5275	-55000.0	-586122.2
5271	-57330.0	-442277.2
5195	23232.9	-439041.0
5194	21049.2	-581539.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2370	3	3	env SL~1	MAX Cent	3694608.7	3581901.3	1763921.2	5391827.9	1887693.8	44.09
				5271	3998650.5	3837605.7	1757273.8	5664456.3	2173323.0	43.69
				5141	4009309.5	3323162.4	1770647.4	5458473.3	1876603.2	39.55
				5123	3381363.3	3327647.2	1770530.9	5115976.0	1597976.2	44.57

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5195 3392724.2 3833121.0 1757390.3 5372276.1 1856005.3 48.54
 MIN Cent -969205.1 -962587.0 -88917.3 -891142.8 -1044252.7 -46.28
 5271 -1067693.5 -1070576.9 -86143.4 -997305.1 -1142972.9 -44.42
 5141 -1071110.7 -855772.9 -91724.2 -829446.3 -1096311.6 -71.69
 5123 -868147.0 -857624.3 -91675.5 -783690.0 -944718.1 -47.33
 5195 -871830.4 -1068681.9 -86192.0 -848042.3 -1092089.5 -18.04

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 151415.4 166272.8 406625.7 401538.6 -71705.7 45.88
 5271 -328182.2 -342438.3 368179.5 -94903.0 -575717.5 44.15
 5141 703041.2 265486.5 362417.7 788552.2 179975.5 22.01
 5123 28299.1 39983.1 344035.7 182668.6 -109817.2 46.19
 5195 242271.2 728625.0 349783.6 802265.7 168630.5 70.07
 MIN Cent -313586.2 -294866.0 226667.4 86753.3 -707035.1 45.68
 5271 -778191.5 -783104.8 234884.8 -415541.6 -1148835.8 44.80
 5141 132517.3 105270.4 197639.6 467727.7 -229940.0 43.88
 5123 -732042.1 -728663.2 143839.7 -390869.9 -1074392.5 45.10
 5195 95032.1 187341.7 189649.3 450470.9 -198325.5 57.03

NODE Vxx Vyy

MAX Cent -16288.3 -20629.0
 5271 -265401.4 -268793.2
 5141 -272372.0 265190.5
 5123 261386.0 275259.1
 5195 250766.4 -255882.8
 MIN Cent -170963.3 -179419.0
 5271 -429013.6 -459009.6
 5141 -439770.7 27273.4
 5123 28165.6 33950.5
 5195 21072.8 -439666.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2371 3 3 env SL~1 MAX Cent 4675261.8 4650660.8 -38941.3 5118207.7 4208051.5 -44.23
 5016 4626238.1 4578323.1 -38744.2 5054101.3 4150762.0 -43.48
 5272 4627058.1 4722797.2 -39138.0 5136489.8 4213842.3 -47.98
 5273 4723658.9 4721843.4 -39135.4 5181671.0 4264207.5 -44.95
 5278 4723661.2 4579276.8 -38746.8 5108338.3 4194793.3 -40.46
 MIN Cent -1311263.6 -1284463.4 -470746.3 -1241878.9 -1354418.1 -52.67
 5016 -1294009.7 -1291524.8 -466705.7 -1238185.9 -1347348.7 -45.65
 5272 -1294114.1 -1277421.5 -474775.7 -1231115.1 -1341713.9 -47.70
 5273 -1328297.2 -1277514.6 -474722.5 -1245243.6 -1363770.3 -59.14
 5278 -1328481.3 -1291431.7 -466759.0 -1252325.8 -1367587.3 -54.38

NODE Mxx Myy Mxy Mmax Mmin ANGLE

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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MAX Cent -37514.4 176283.7 57620.0 185718.2 -46789.8 78.44
5016 1150705.0 1232276.0 301011.4 1495252.5 887728.5 48.86
5272 -341526.3 145005.7 56230.1 147986.4 -342431.3 85.80
5273 -469420.5 -245340.9 -81105.6 -219065.8 -495695.7 -72.05
5278 -92846.2 -120023.6 117289.9 -22812.6 -177612.1 32.13
MIN Cent -159948.6 115365.2 18063.5 117760.7 -161123.5 86.28
5016 670193.9 742463.6 169732.5 879865.0 532792.5 51.01
5272 -555963.4 40845.3 4148.3 45938.8 -555988.8 84.50
5273 -733556.5 -401543.3 -129283.9 -357139.5 -777960.2 -71.04
5278 -186564.8 -209815.5 68119.8 -124159.2 -282504.8 40.48

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NODE Vxx Vyy

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MAX Cent 424373.8 344811.7
5016 603848.2 520466.3
5272 602451.6 214722.4
5273 247079.9 200651.3
5278 245696.2 498979.6
MIN Cent 255581.2 218807.2
5016 368935.2 310902.5
5272 368212.4 139016.3
5273 143445.8 128510.3
5278 142730.4 297331.1

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

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2372 3 3 env SL~1 MAX Cent 4789090.4 4413324.0 -39426.8 4875510.1 4326904.3 -23.38
5278 4670925.1 4455709.0 -38620.4 4792044.1 4334590.0 -30.97
5273 4671327.0 4371008.8 -40231.9 4769571.3 4272764.5 -26.40
5274 4906152.0 4371565.1 -40221.3 4971443.2 4306273.9 -18.26
5279 4906920.5 4455152.7 -38630.9 4983938.6 4378134.6 -20.89
MIN Cent -1310707.1 -1226312.9 -230670.6 -1202633.7 -1334386.3 -64.92
5278 -1317594.2 -1244986.4 -230371.8 -1219730.3 -1342850.4 -63.07
5273 -1317479.0 -1207670.1 -230968.9 -1187562.1 -1337823.2 -70.43
5274 -1303884.6 -1207915.2 -230965.0 -1186151.4 -1326250.7 -68.53
5279 -1303930.9 -1244741.4 -230375.7 -1216468.6 -1332203.7 -60.38

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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MAX Cent -334705.2 -305768.4 -69149.0 -249590.4 -390883.2 -50.91
5278 -61116.4 -21931.7 -43647.5 11511.1 -101292.9 -50.38
5273 -464174.8 -206708.2 -70081.5 -188868.3 -482014.6 -75.72
5274 -535830.6 -527673.9 -89031.0 -442627.9 -620876.6 -46.31
5279 -262792.3 -466370.1 -60201.4 -246322.2 -482840.2 -15.30
MIN Cent -521922.7 -481610.5 -105854.2 -394010.5 -609522.7 -50.39
5278 -161308.1 -84018.0 -73192.2 -39895.1 -205431.0 -58.92
5273 -726178.3 -342202.7 -106749.8 -315108.1 -753272.9 -75.60
5274 -817298.3 -802871.0 -137124.8 -677766.9 -943770.0 -46.56
5279 -400317.4 -704788.6 -94901.9 -373159.4 -731946.6 -15.97

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Vxx	Vyy

MAX Cent	212872.5	218843.5
5278	249054.7	254169.5
5273	248888.0	190262.7
5274	177015.1	188464.9
5279	176849.9	250321.7
MIN Cent	125321.9	151478.1
5278	144826.2	174274.7
5273	144717.7	130533.4
5274	106011.3	128983.6
5279	105903.6	172200.7

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2373	3	3	env SL~1	MAX Cent	5013011.6	4236797.9	108919.7	5027536.4	4222273.0	7.72
				5279	4870073.1	4186562.2	111045.5	4887128.0	4169507.3	8.87
				5274	4870726.3	4286978.5	106796.2	4889050.2	4268654.6	9.90
				5275	5154855.9	4286325.1	106823.9	5167384.2	4273796.8	6.80
				5280	5155147.9	4187215.6	111017.9	5167332.2	4175031.3	6.36
				MIN Cent	-1291305.3	-1218340.3	-33030.4	-1216094.7	-1293550.9	-80.20
				5279	-1302576.5	-1206368.2	-31967.8	-1204508.3	-1304436.4	-82.16
				5274	-1302582.5	-1230299.4	-34091.8	-1228203.0	-1304678.9	-80.47
				5275	-1280120.2	-1230143.6	-34078.0	-1227702.4	-1283069.5	-82.86
				5280	-1280040.1	-1206523.9	-31981.6	-1204123.6	-1282440.4	-79.92

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-350273.9	-496785.7	-91867.8	-308695.1	-543958.8	-24.20
5279	-259756.5	-446891.6	-110380.3	-208622.0	-498026.2	-24.86
5274	-541488.8	-552385.8	-66978.9	-477854.0	-616020.7	-42.74
5275	-337327.0	-416118.7	-60622.9	-304423.6	-449022.1	-28.49
5280	-251028.4	-474507.4	-106574.5	-213249.2	-517982.0	-22.19
MIN Cent	-529871.3	-785171.3	-147503.4	-462950.1	-850728.6	-25.36
5279	-397403.4	-683380.2	-171007.2	-320373.7	-760409.9	-24.73
5274	-825830.5	-840123.1	-110069.2	-728761.8	-938879.2	-43.03
5275	-537587.6	-813906.6	-109934.8	-499153.9	-852303.9	-19.25
5280	-360615.3	-841200.9	-170828.1	-306081.3	-895734.9	-17.70

NODE	Vxx	Vyy

MAX Cent	125222.0	52497.0
5279	177537.3	85330.8
5274	177434.4	24141.3
5275	73565.2	20510.0
5280	73466.5	80303.5
MIN Cent	72763.1	-28086.8

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5279 106349.1 -46.5
5274 106279.8 -53553.2
5275 37133.1 -56232.4
5280 37049.4 -3566.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2374	3	3	env SL~1	MAX Cent 5401710.3	3926789.7	541022.4	5574071.9	3754428.1	17.92	

5280 5077263.4 3975905.2 538003.1 5290841.9 3762326.7 21.95
5275 5065931.8 3877128.8 544075.2 5271766.9 3671293.7 21.02
5194 5735583.4 3877826.1 544032.3 5879009.2 3734400.3 14.99
5193 5724937.3 3975208.0 538046.0 5872948.0 3827197.2 15.60
MIN Cent -1376798.9 -1181427.9 39007.8 -1170447.2 -1386031.2 78.06
5280 -1277127.1 -1158258.4 37750.1 -1144144.4 -1290610.2 72.34
5275 -1273911.4 -1204854.7 40279.5 -1180362.9 -1296330.2 64.33
5194 -1479362.2 -1204525.7 40261.6 -1195573.7 -1486455.9 79.86
5193 -1475838.7 -1158587.3 37768.0 -1152392.1 -1481387.0 82.54

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
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MAX Cent -93655.6 167135.0 -53011.6 178576.4 -104145.9 -78.31
5280 -253968.6 -504941.1 -77310.9 -229951.2 -527385.8 -14.82
5275 -353502.4 -494376.0 -19698.6 -350799.7 -497078.6 -7.81
5194 218300.4 943594.4 -11666.5 943841.7 215176.8 -88.95
5193 40720.4 797267.4 -79755.6 806910.2 31606.4 -83.61
MIN Cent -219773.8 -302626.3 -112835.7 -140621.2 -380961.2 -34.49
5280 -364064.1 -879704.1 -155332.7 -321538.5 -922811.5 -16.40
5275 -557726.2 -925164.9 -69207.5 -545398.4 -937555.3 -11.24
5194 129472.6 383990.8 -44392.9 390523.8 128245.5 -80.70
5193 -119452.3 143803.2 -140147.8 199803.3 -175763.7 -67.19

NODE	Vxx	Vyy
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MAX Cent -6211.4 -335848.2
5280 81662.2 -307110.3
5275 83280.8 -358447.3
5194 -60759.3 -364187.1
5193 -59859.4 -314181.2
MIN Cent -8096.8 -538717.7
5280 44833.4 -488189.9
5275 45602.5 -579160.8
5194 -97118.1 -588629.8
5193 -95521.2 -499839.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2375	3	3	env SL~1	MAX Cent 4987921.3	4431535.1	-57568.9	5268792.5	4150663.9	-30.08	

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5024 4772525.2 4405935.2 -57562.1 5106119.0 4072341.4 -34.62
 5278 4773781.8 4457093.6 -57575.6 5127122.9 4103752.6 -35.99
 5279 5200723.7 4456545.9 -57575.5 5441141.8 4216127.8 -26.30
 5276 5201566.6 4406482.9 -57562.2 5429844.5 4178205.0 -25.28
 MIN Cent -1379100.2 -1263725.4 -501410.4 -1227548.8 -1415276.8 -63.96
 5024 -1400982.3 -1265800.9 -499648.0 -1233234.2 -1433548.9 -66.22
 5278 -1400858.9 -1261653.3 -503170.0 -1229536.9 -1432975.4 -66.59
 5279 -1357481.6 -1261697.7 -503132.3 -1221297.7 -1397881.6 -61.42
 5276 -1357391.8 -1265756.5 -499685.7 -1224610.5 -1398537.7 -60.90

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 195797.1 11375.2 76597.4 222695.1 -8321.8 19.35
 5024 1311915.5 1204815.3 316906.2 1579764.2 936966.6 40.20
 5278 -201831.8 -30988.2 111711.0 -1312.1 -222607.2 65.67
 5279 -302683.9 -474355.7 -77438.9 -272914.5 -504125.2 -21.03
 5276 140278.1 -302915.3 99834.2 157382.5 -312167.9 9.72
 MIN Cent 100308.4 -73061.0 30579.1 105543.9 -78296.5 9.72
 5024 859300.6 792038.5 197571.7 1026083.1 625255.9 40.17
 5278 -331328.1 -97567.3 63095.0 -81372.4 -347523.1 75.72
 5279 -453081.3 -716091.4 -123817.3 -403964.4 -765208.3 -21.64
 5276 70087.7 -478936.8 49912.7 79340.3 -483392.1 8.84

NODE Vxx Vyy

MAX Cent 383254.1 424939.3
 5024 555923.3 601913.6
 5278 555101.9 270262.7
 5279 212638.6 252021.0
 5276 211829.2 576253.6
 MIN Cent 259849.9 288153.6
 5024 380754.0 405234.9
 5278 380213.0 186676.2
 5279 140349.9 173899.4
 5276 139816.9 387267.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2376 3 3 env SL~1 MAX Cent 5298924.1 4226113.7 -35316.6 5320459.9 4204577.9 -7.99
 5276 5156021.9 4240489.7 -37001.0 5181352.1 4215159.5 -9.32
 5279 5156385.1 4211753.2 -33623.6 5180443.0 4187695.3 -8.96
 5280 5440351.7 4212056.0 -33660.0 5459044.9 4193362.8 -6.98
 5277 5440918.3 4240186.9 -36965.5 5460444.3 4220660.9 -7.21
 MIN Cent -1336585.9 -1191075.0 -199923.8 -1178152.2 -1349508.7 -74.06
 5276 -1343481.7 -1162862.6 -200770.9 -1151394.2 -1354950.1 -76.27
 5279 -1343660.6 -1219256.8 -199077.7 -1205519.3 -1357398.1 -72.50
 5280 -1329760.1 -1218662.6 -199095.5 -1203890.4 -1344826.4 -73.11
 5277 -1329539.9 -1163456.9 -200753.0 -1151128.1 -1341868.6 -75.27

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-131545.9	-401750.3	-118468.6	-84861.3	-448434.9	-21.00
5276	173903.7	-187620.7	-82683.6	204843.4	-210237.1	-14.63
5279	-301981.6	-453878.7	-98371.4	-253651.8	-502208.5	-26.16
5280	-261792.9	-480330.6	-144472.3	-187611.8	-554511.7	-26.72
5277	-42395.1	-403221.5	-127687.9	365.2	-445112.3	-17.86
MIN Cent	-205691.6	-618977.0	-186355.4	-133421.9	-686229.3	-21.20
5276	92046.9	-326626.5	-138529.7	114663.3	-367319.5	-15.30
5279	-453432.3	-693299.7	-156508.0	-376188.8	-770543.2	-26.27
5280	-397081.1	-854597.6	-222024.5	-307052.2	-944626.4	-22.07
5277	-83765.4	-706297.7	-201812.4	-29937.2	-759938.6	-15.75

NODE	Vxx	Vyy

MAX Cent	164827.3	128793.2
5276	214414.7	176506.3
5279	214268.8	87051.8
5280	115735.1	82303.2
5277	115591.4	169544.4
MIN Cent	109120.2	34269.7
5276	141575.8	70733.4
5279	141479.6	2413.0
5280	76989.3	-1323.7
5277	76894.6	65362.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2377	3	3	env SL~1	MAX Cent	5623019.4	3983430.4	168201.1	5639075.7	3967374.0	5.62
				5277	5389970.7	4006255.2	166200.4	5408524.0	3987701.9	6.56
				5280	5382120.0	3960362.7	170223.0	5400975.0	3941507.7	6.53
				5193	5861781.8	3960901.6	170175.7	5875958.5	3946724.9	4.92
				5192	5854463.0	4005716.4	166247.7	5868437.2	3991742.1	4.95
				MIN Cent	-1352232.3	-1091346.9	-4170.1	-1082550.9	-1361028.2	79.76
				5277	-1314082.6	-1031569.2	-5574.2	-1024837.3	-1320814.5	81.33
				5280	-1313558.3	-1152060.3	-2751.2	-1135763.8	-1329554.9	73.30
				5193	-1391303.3	-1150599.1	-2784.3	-1139117.0	-1402535.4	78.08
				5192	-1389386.1	-1032980.5	-5541.0	-1027572.4	-1394794.2	83.03

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-18433.7	90523.1	-147611.6	200885.5	-121450.6	-54.46
5277	-31934.5	-376090.3	-144789.8	23759.8	-428936.9	-20.09
5280	-262708.0	-512729.3	-135235.9	-203554.5	-571882.7	-23.63
5193	277441.7	837956.6	-115184.9	864042.0	251356.3	-78.09
5192	-42316.3	470479.8	-136712.0	508896.4	-77333.3	-75.29
MIN Cent	-124215.0	-399016.8	-236534.5	5802.8	-534038.9	-29.39
5277	-68136.5	-665169.1	-241047.7	3094.7	-749917.7	-19.28

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5280 -394552.5 -895318.6 -225757.1 -307803.6 -982067.5 -21.02
 5193 163777.3 191546.1 -186952.9 357327.8 -514.1 -47.11
 5192 -220696.7 -264717.8 -212082.4 -36897.8 -448572.4 -41.47

NODE Vxx Vyy

MAX Cent -2801.2 -239792.5

5277 118600.1 -130268.8
 5280 122393.9 -304348.5
 5193 -89812.5 -315686.9
 5192 -87333.5 -150184.7

MIN Cent -8469.4 -387727.5

5277 79595.2 -298334.7
 5280 82115.5 -484836.6
 5193 -138283.9 -502027.7
 5192 -134552.6 -315683.6

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2378 3 3 env SL~1 MAX Cent 5515006.2 4178637.5 -4310.5 5649159.7 4044403.0 -16.81

5032 5314273.0 4125874.8 -10268.3 5459163.1 3980984.7 -18.24
 5276 5315765.4 4231345.5 1667.7 5477574.1 4069536.9 -19.82
 5277 5713010.9 4229218.9 1424.0 5837942.4 4103942.2 -15.55
 5281 5712844.2 4128001.4 -10028.2 5826756.6 4014124.8 -14.52

MIN Cent -1380346.2 -1101214.3 -456257.8 -1100247.7 -1381312.8 -86.64

5032 -1415509.3 -1034894.5 -451531.8 -1033575.1 -1416828.7 -86.64
 5276 -1416479.7 -1167465.4 -460979.0 -1167026.2 -1416918.9 -87.60
 5277 -1345758.9 -1164792.4 -460788.5 -1164161.0 -1346390.4 -86.63
 5281 -1344607.2 -1037567.5 -451722.3 -1035969.7 -1346205.0 -85.88

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 259308.1 -80086.2 -13036.9 259750.0 -80980.9 -1.87

5032 1104195.3 879626.2 204927.3 1225583.6 758237.9 30.64
 5276 -15559.3 -194285.7 30933.4 -11820.7 -195238.9 7.13
 5277 -98088.2 -413696.6 -131731.5 -47097.1 -464687.7 -20.45
 5281 141935.7 -316891.1 -3084.7 141956.2 -317129.2 -0.32

MIN Cent 163670.4 -218078.2 -64277.2 164892.5 -228150.6 -3.80

5032 725940.4 571537.8 113284.1 795416.1 502062.1 29.12
 5276 -52685.7 -335609.5 -18848.6 -51435.6 -336859.6 -3.79
 5277 -202411.8 -727460.9 -206399.6 -141350.6 -788522.0 -17.89
 5281 86736.5 -500261.4 -62016.0 87052.1 -506110.1 -1.55

NODE Vxx Vyy

MAX Cent 254639.4 335932.7

5032 387286.7 507445.1
 5276 386766.4 188522.7

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5277 124309.8 170044.2
5281 123802.3 478377.2
MIN Cent 170547.7 207008.7
5032 262448.9 337037.3
5276 262086.9 78829.5
5277 76753.8 64839.0
5281 76315.6 316898.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2379 3 3 env SL~1 MAX Cent 5809723.1 3995445.5 95151.4 5813141.7 3991795.3 -2.48
5281 5681026.0 4002185.1 87889.3 5684792.2 3998418.9 -2.71
5277 5676869.4 3990491.1 102486.6 5680469.4 3986616.4 -2.64
5192 5940400.0 3990715.4 102154.6 5943519.2 3987360.1 -2.29
5191 5936568.3 4001858.6 88221.4 5939835.4 3998591.6 -2.35
MIN Cent -1307959.2 -949160.0 -86275.2 -928865.0 -1328254.1 76.97
5281 -1319650.5 -883809.3 -86814.6 -869353.6 -1334106.3 79.84
5277 -1321557.7 -1015168.6 -85730.4 -988199.5 -1348526.8 74.12
5192 -1296049.7 -1012180.7 -85755.0 -983601.6 -1324628.8 73.17
5191 -1294983.2 -886797.2 -86789.9 -871310.4 -1310470.1 79.18

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 53208.4 30170.5 -126467.4 174906.7 -86451.6 -41.97
5281 183887.9 -192318.3 -95791.6 241273.0 -218564.4 -17.67
5277 -90796.4 -383788.6 -126270.9 -43829.4 -430697.4 -20.38
5192 214159.5 523406.6 -123875.2 572459.9 165106.2 -69.70
5191 -42748.6 201744.0 -104202.0 242366.9 -81363.1 -69.40
MIN Cent -30626.3 -450447.6 -213692.4 54175.9 -539545.6 -22.39
5281 113345.5 -365450.1 -180629.9 149325.1 -424600.7 -17.18
5277 -185389.1 -682452.6 -212146.4 -107157.7 -760683.9 -20.24
5192 86546.3 -206213.1 -206346.9 186174.2 -306026.9 -26.75
5191 -214328.4 -591453.8 -177457.3 -146360.2 -657797.5 -21.11

NODE Vxx Vyy

MAX Cent 15333.1 -33999.9
5281 123216.3 83216.5
5277 127192.1 -129380.6
5192 -70337.6 -147910.0
5191 -67762.4 56937.3
MIN Cent -1541.0 -226268.0
5281 79436.0 -137245.7
5277 82133.0 -298785.7
5192 -106619.7 -313874.0
5191 -103138.8 -157833.6

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2380	3	3	env SL~1	MAX Cent 6041808.4	3645629.2	164067.1	6068810.6	3617791.5	-6.02	
				5040	5882693.7	3314565.6	151929.2	5898006.7	3299072.3	-4.43
				5281	5900164.6	3979669.9	176314.1	5951786.8	3927795.7	-9.21
				5191	6197653.4	3939730.2	174849.8	6239197.7	3897186.6	-7.65
				5190	6174369.3	3354505.3	153393.5	6188923.1	3339339.4	-4.10
				MIN Cent -1232352.6	-784433.0	-270254.0	-736747.3	-1278553.8	72.74	
				5040	-1353774.5	-715863.8	-210842.2	-686018.7	-1383439.4	78.06
				5281	-1361859.4	-853618.9	-330200.0	-804826.3	-1411020.7	73.73
				5191	-1112398.5	-845346.7	-323032.6	-768419.0	-1188499.7	64.92
				5190	-1111882.6	-724136.0	-218009.7	-677057.9	-1156325.0	71.73
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent 160337.5	87814.6	-28747.2	171189.5	76326.8	-8.69	
				5040	762555.1	449253.5	59124.7	772936.9	438871.6	10.15
				5281	46239.5	-181349.8	-6876.5	46512.0	-181608.0	-1.94
				5191	103940.4	235401.3	-81754.8	276885.4	61879.6	-63.95
				5190	29647.1	38940.6	-13310.3	48677.5	19334.0	-55.45
				MIN Cent 103656.5	-301052.5	-102767.4	123248.5	-313053.3	-11.55	
				5040	382716.2	198190.5	-19975.8	401198.5	196463.5	20.11
				5281	-14883.5	-359591.1	-83691.3	-3322.6	-378299.5	-10.55
				5191	-43051.1	-554525.2	-157426.0	-944.9	-597716.3	-15.48
				5190	-96928.5	-730253.2	-70698.7	-95733.8	-731447.9	-2.48
				NODE	Vxx	Vyy				
				MAX Cent 133454.0	214236.6					
				5040	276144.2	378529.6				
				5281	281044.6	103272.0				
				5191	-7555.5	67055.6				
				5190	-3111.1	313770.4				
				MIN Cent 47419.5	-43247.8					
				5040	113433.2	69193.1				
				5281	117033.2	-132287.0				
				5191	-39524.4	-150006.4				
				5190	-35354.9	39188.5				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2381	3	3	env SL~1	MAX Cent 4967677.9	4511453.9	54103.7	4983882.3	4495288.4	-10.49	
				5016	4967677.9	4511453.9	54103.7	4983882.3	4495288.4	-10.49
				5008	4967677.9	4511453.9	54103.7	4983882.3	4495288.4	-10.49
				5272	4967677.9	4511453.9	54103.7	4983882.3	4495288.4	-10.49
				MIN Cent -1208434.4	-1398185.7	-91272.0	-1208434.4	-1398185.7	0.02	
				5016	-1208434.4	-1398185.7	-91272.0	-1208434.4	-1398185.7	0.02
				5008	-1208434.4	-1398185.7	-91272.0	-1208434.4	-1398185.7	0.02

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5272 -1208434.4 -1398185.7 -91272.0 -1208434.4 -1398185.7 0.02

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent -36043.7 735749.5 -88817.5 748565.2 -57612.3 -83.38
 5016 442647.1 1435123.4 149540.0 1457165.6 420604.9 81.61
 5008 -89708.9 723587.1 -153250.0 774164.5 -146043.2 -78.33
 5272 -317213.2 62103.3 -189841.2 169385.1 -404561.1 -66.33
 MIN Cent -204064.9 408298.3 -159615.5 424508.2 -216474.2 -79.66
 5016 281423.3 829656.0 74224.1 840168.0 270911.4 82.19
 5008 -412100.1 387200.5 -244945.0 427802.3 -462677.4 -75.16
 5272 -641522.4 -82138.6 -313766.1 95386.2 -714515.0 -65.29

NODE Vxx Vyy

 MAX Cent 241223.1 546458.4
 5016 205730.2 658593.0
 5008 205730.2 434490.1
 5272 312208.9 546292.0
 MIN Cent 134683.8 318313.5
 5016 97075.6 430383.1
 5008 97075.6 206410.2
 5272 205628.4 318147.2

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

 2382 3 3 env SL~1 MAX Cent 5324896.9 4066774.6 127991.8 5330888.0 4060780.4 3.94
 5024 5324896.9 4066774.6 127991.8 5330888.0 4060780.4 3.94
 5016 5324896.9 4066774.6 127991.8 5330888.0 4060780.4 3.94
 5278 5324896.9 4066774.6 127991.8 5330888.0 4060780.4 3.94
 MIN Cent -1311400.5 -1409342.0 -52057.3 -1288442.0 -1431489.2 -23.17
 5024 -1311400.5 -1409342.0 -52057.3 -1288442.0 -1431489.2 -23.17
 5016 -1311400.5 -1409342.0 -52057.3 -1288442.0 -1431489.2 -23.17
 5278 -1311400.5 -1409342.0 -52057.3 -1288442.0 -1431489.2 -23.17

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent -29860.0 1088179.2 -2362.6 1088189.0 -30043.3 -89.83
 5024 295418.0 1605245.7 278682.9 1662073.6 238590.1 78.47
 5016 218486.0 1516974.9 -171904.9 1569584.4 165876.5 -78.84
 5278 -416315.3 142317.0 -19802.7 142934.9 -419761.7 -88.40
 MIN Cent -64929.6 673635.7 -19606.2 673819.0 -65341.0 -89.08
 5024 214332.2 1038973.5 178710.3 1076036.5 177269.2 78.28
 5016 112403.0 916997.2 -266609.5 952186.4 76084.9 -78.43
 5278 -644949.3 5747.9 -60322.8 11825.8 -645567.2 -84.25

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

MAX Cent 46917.1 756509.1
 5024 29971.5 782752.0
 5016 29971.5 729923.6
 5278 80808.2 756851.9
 MIN Cent 22355.1 486979.5
 5024 13105.6 525102.9
 5016 13105.6 448358.2
 5278 39466.0 487477.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2383	3	3	env SL~1	MAX Cent 5653649.1	4154423.4	444997.2	5774855.0	4033277.6	15.30	
				5032 5653649.1	4154423.4	444997.2	5774855.0	4033277.6	15.30	
				5024 5653649.1	4154423.4	444997.2	5774855.0	4033277.6	15.30	
				5276 5653649.1	4154423.4	444997.2	5774855.0	4033277.6	15.30	
				MIN Cent -1342534.2	-1377332.0	-92520.7	-1267507.5	-1452358.8	-39.57	
				5032 -1342534.2	-1377332.0	-92520.7	-1267507.5	-1452358.8	-39.57	
				5024 -1342534.2	-1377332.0	-92520.7	-1267507.5	-1452358.8	-39.57	
				5276 -1342534.2	-1377332.0	-92520.7	-1267507.5	-1452358.8	-39.57	

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent	-23291.0	945257.9	112862.2	958214.1	-31874.2	83.45
5032	140658.3	1236907.3	325060.8	1326046.5	51519.1	74.67
5024	359290.6	1510113.6	-123655.0	1537806.1	331598.2	-81.28
5276	-394117.3	88752.7	202895.5	141403.1	-429977.1	74.83
MIN Cent	-46013.9	607307.7	74069.1	615890.9	-62070.5	83.39
5032	67250.7	806042.9	217494.6	867008.3	-15512.0	74.34
5024	233150.5	986338.4	-180654.4	1006120.0	213368.9	-80.91
5276	-574753.6	-44358.5	128367.6	29675.6	-627404.1	69.95

NODE	Vxx	Vyy
MAX Cent	-49645.4	695378.4
5032	-30608.8	605129.4
5024	-30608.8	788421.2
5276	-87718.7	692584.4
MIN Cent	-85844.6	469117.2
5032	-54115.7	408607.1
5024	-54115.7	531500.5
5276	-152191.7	467243.9

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2384	3	3	env SL~1	MAX Cent 5842981.5	4244124.1	902341.0	6247968.7	3839613.9	24.17	
				5040 5842981.5	4244124.1	902341.0	6247968.7	3839613.9	24.17	
				5032 5842981.5	4244124.1	902341.0	6247968.7	3839613.9	24.17	

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5281 5842981.5 4244124.1 902341.0 6247968.7 3839613.9 24.17
 MIN Cent -1266675.4 -1158303.9 -192946.3 -1014803.7 -1409642.1 -52.88
 5040 -1266675.4 -1158303.9 -192946.3 -1014803.7 -1409642.1 -52.88
 5032 -1266675.4 -1158303.9 -192946.3 -1014803.7 -1409642.1 -52.88
 5281 -1266675.4 -1158303.9 -192946.3 -1014803.7 -1409642.1 -52.88

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -8254.3 567978.4 126949.1 593894.9 -23577.1 78.46
 5040 71860.3 757018.1 289225.2 862782.2 -32593.4 69.91
 5032 307632.9 1047668.8 -77508.8 1068387.7 286914.0 -80.63
 5281 -269587.6 -21168.8 223265.5 60024.3 -347678.5 64.11
 MIN Cent -36198.8 289491.7 76132.4 330239.3 -76946.4 71.56
 5040 -39176.2 345074.6 157061.8 445655.1 -139756.7 65.51
 5032 213847.9 671267.4 -125546.8 684216.2 200899.0 -80.58
 5281 -463345.2 -187985.9 151624.6 -32224.0 -564945.7 55.10

NODE Vxx Vyy

MAX Cent -63525.2 563056.7
 5040 -42067.1 466010.2
 5032 -42067.1 666030.2
 5281 -106441.4 557129.6
 MIN Cent -106007.3 328616.4
 5040 -72505.3 239932.6
 5032 -72505.3 422414.1
 5281 -174364.7 323217.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2385 3 3 env SL~1 MAX Cent 5637479.7 4557290.5 1732642.3 6910240.3 3281792.5 36.37
 5048 5637479.7 4557290.5 1732642.3 6910240.3 3281792.5 36.37
 5040 5637479.7 4557290.5 1732642.3 6910240.3 3281792.5 36.37
 5190 5637479.7 4557290.5 1732642.3 6910240.3 3281792.5 36.37
 MIN Cent -1172962.1 -635418.3 -248638.6 -537634.4 -1267640.2 -68.53
 5048 -1172962.1 -635418.3 -248638.6 -537634.4 -1267640.2 -68.53
 5040 -1172962.1 -635418.3 -248638.6 -537634.4 -1267640.2 -68.53
 5190 -1172962.1 -635418.3 -248638.6 -537634.4 -1267640.2 -68.53

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 62526.9 276676.1 167791.8 276720.7 62482.3 89.17
 5048 86990.1 389132.5 310389.0 465272.8 69995.4 58.59
 5040 147513.4 547104.9 -3628.6 561977.3 146468.1 -79.27
 5190 -27182.9 112278.9 274515.0 120080.6 -34322.7 -77.44
 MIN Cent -127643.6 -32098.9 2265.7 52013.0 -212412.8 47.98
 5048 -125590.4 -80356.5 65308.8 23183.9 -249001.7 50.16
 5040 107717.5 187868.8 -78511.5 188186.8 102328.9 -84.99

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

5190 -477545.0 -388215.9 -35016.1 -153835.0 -705495.5 50.06

NODE Vxx Vyy

 MAX Cent 1185.9 401890.8
 5048 -14135.3 310003.3
 5040 -14135.3 503858.2
 5190 31947.6 391810.8
 MIN Cent -65187.0 108428.2
 5048 -49453.4 67788.2
 5040 -49453.4 50398.7
 5190 -111053.1 114164.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

 2424 3 3 env SL~1 MAX Cent 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -42.72
 1008 6583562.7 6583562.7 0.0 6583562.7 6583562.7 -20.39
 5137 6583562.7 6583562.7 0.0 6583562.7 6583562.7 36.85
 5283 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -63.20
 5282 6583562.7 6583562.7 0.0 6583562.7 6583562.7 17.38
 MIN Cent -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -43.90
 1008 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -21.04
 5137 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 41.97
 5283 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -63.52
 5282 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 18.32

NODE Mxx Myy Mxy Mmax Mmin ANGLE

 MAX Cent -51004.9 -90190.8 -8972.6 -47901.5 -93294.2 -15.16
 1008 -463520.5 -277706.3 -94073.9 -238395.2 -502831.5 -67.32
 5137 96518.6 -60409.3 36044.9 100378.1 -63987.8 7.13
 5283 164346.0 70934.5 74420.9 204019.9 28048.1 28.06
 5282 147357.4 -26048.0 -55944.5 170408.7 -48038.7 -18.56
 MIN Cent -104873.6 -134880.6 -16757.9 -85892.9 -138458.4 -51.79
 1008 -675688.7 -408976.6 -138364.6 -350164.6 -734500.8 -66.97
 5137 57494.3 -183154.7 20828.8 61925.6 -188339.9 7.98
 5283 81908.4 24108.2 48951.4 117369.0 -11352.4 31.66
 5282 68632.8 -49006.7 -80020.4 107670.3 -78842.8 -28.26

NODE Vxx Vyy

 MAX Cent -104430.4 -55768.2
 1008 -210825.8 -69627.4
 5137 -210780.9 -45944.3
 5283 7905.2 -33578.3
 5282 7830.2 -56967.7
 MIN Cent -155634.7 -97557.7
 1008 -310853.3 -101792.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5137 -310815.6 -107215.5
5283 -3044.1 -95731.0
5282 -3001.6 -85531.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2425 3 3 env SL~1 MAX Cent 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -30.15
5137 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -56.46
5124 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -21.06
5186 6583562.7 6583562.7 0.0 6583562.7 6583562.7 31.11
5283 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -32.44
MIN Cent -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -29.86
5137 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -56.62
5124 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -22.25
5186 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 31.32
5283 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -35.18

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 13322.5 -18325.3 85424.1 70638.8 -63756.2 36.83
5137 17119.1 -68705.6 75383.1 37874.7 -89461.2 23.81
5124 48993.9 31581.1 55685.2 90016.1 -15800.0 37.64
5186 -124042.4 -57883.7 72928.3 -33817.1 -147764.4 60.05
5283 156874.4 73475.8 93834.0 212525.9 10486.1 31.66
MIN Cent -19038.8 -52838.9 51279.4 39555.5 -123018.6 41.54
5137 -36824.4 -196820.1 47033.4 -6902.8 -226741.6 21.65
5124 1470.7 4643.1 33786.1 50549.7 -39443.3 42.72
5186 -210358.8 -96733.4 44597.2 -61100.3 -245991.9 63.96
5283 82802.4 26565.7 58607.2 119687.5 -10319.4 32.18

NODE Vxx Vyy

MAX Cent 63406.2 -587.5
5137 15049.7 -32760.7
5124 15589.8 29237.7
5186 136655.4 30819.0
5283 137677.6 -30000.7
MIN Cent 44321.0 -34004.7
5137 -11330.5 -96176.9
5124 -10351.9 17223.1
5186 80114.3 19322.2
5283 80647.7 -89906.5

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2426 3 3 env SL~1 MAX Cent 6583562.7 6583562.7 0.0 6583562.7 6583562.7 -57.93
1016 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -12.77

AUTOSTRADA VALDASTICO A31 NORD
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5282 6583562.7 6583562.7 0.0 6583562.7 6583562.7 42.04
5285 6583562.7 6583562.7 0.0 6583562.7 6583562.7 -45.91
5284 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -51.07
MIN Cent -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -52.48
1016 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -8.13
5282 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 37.04
5285 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -50.25
5284 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -52.86

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NODE Mxx Myy Mxy Mmax Mmin ANGLE

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MAX Cent -55172.1 -119595.3 -45590.1 -31248.2 -143279.6 -24.83
1016 -497485.1 -534570.0 -141782.6 -373037.6 -659017.5 -41.27
5282 170922.0 -69838.1 -46492.2 181818.7 -81595.5 -11.30
5285 289711.6 156890.1 50052.1 305978.4 140623.3 18.28
5284 2192.9 69723.5 -67612.6 128150.0 -55174.0 -55.74
MIN Cent -103313.4 -188355.8 -65509.8 -59465.4 -217498.2 -26.26
1016 -757223.6 -811920.4 -206593.8 -576175.9 -992968.1 -41.23
5282 50011.7 -110920.4 -66732.1 77014.9 -125278.8 -22.03
5285 169969.2 75923.8 19179.5 173730.3 72162.8 11.09
5284 -59853.8 5261.1 -94812.0 67522.2 -122115.0 -55.04

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NODE Vxx Vyy

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MAX Cent -146361.9 -131082.8
1016 -212361.0 -202668.4
5282 -211788.4 -63783.6
5285 -81223.5 -57837.2
5284 -80655.8 -194767.3
MIN Cent -223298.8 -196369.5
1016 -324482.9 -303883.9
5282 -323623.9 -101661.3
5285 -123415.2 -92696.8
5284 -122563.7 -291770.5

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ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

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2427 3 3 env SL~1 MAX Cent 6583562.7 6583562.7 0.0 6583562.7 6583562.7 39.85
5282 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -39.31
5283 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -42.23
5286 6583562.7 6583562.7 0.0 6583562.7 6583562.7 36.79
5285 6583562.7 6583562.7 0.0 6583562.7 6583562.7 67.34
MIN Cent -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 36.80
5282 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -41.22
5283 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -42.13
5286 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 37.48
5285 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 62.00

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	195049.8	51921.5	61822.6	216363.1	28693.9	19.02
5282	133697.6	-64794.6	37493.2	139912.0	-67638.5	9.41
5283	153131.2	5792.5	66141.7	177235.3	-16144.0	20.14
5286	253712.4	134506.5	85136.8	296162.1	88176.5	26.50
5285	258256.4	152976.0	53180.6	279292.6	131939.8	22.20
MIN Cent	106404.5	12267.0	31492.8	115968.5	2703.0	16.89
5282	55646.6	-104450.4	14121.4	57137.0	-109888.3	6.02
5283	74849.4	-20699.7	37295.3	87683.0	-33533.3	18.99
5286	159600.2	74981.3	48100.4	181351.1	53230.4	24.33
5285	135762.9	71091.7	23555.3	143432.8	63421.8	18.04

NODE	Vxx	Vyy

MAX Cent	7381.9	-43108.2
5282	5904.1	-54010.0
5283	6087.2	-29906.5
5286	8668.9	-29916.9
5285	8850.8	-54289.9
MIN Cent	-6532.9	-65687.4
5282	-4825.0	-87399.5
5283	-4668.1	-44140.3
5286	-9605.6	-44066.0
5285	-9512.7	-87262.8

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2428	3	3	env SL~1	MAX Cent	6583562.7	6583562.7	0.0	6583562.7	6583562.7	-88.16
				5283	6583562.7	6583562.7	0.0	6583562.7	6583562.7	58.95
				5186	6583562.7	6583562.7	0.0	6583562.7	6583562.7	82.69
				5187	6583562.7	6583562.7	-0.0	6583562.7	6583562.7	-8.68
				5286	6583562.7	6583562.7	0.0	6583562.7	6583562.7	86.91
				MIN Cent	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	-78.56
				5283	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	59.48
				5186	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	85.25
				5187	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	-8.54
				5286	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	89.15

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-19489.0	14561.0	95924.3	90527.2	-71969.9	50.63
5283	146425.0	7364.0	101940.1	198500.4	-34121.4	27.06
5186	-104490.0	59430.9	76615.9	85823.4	-120874.8	70.99
5187	-252589.3	-89581.0	70442.2	-77993.9	-266637.5	75.74
5286	262741.5	137066.0	97323.5	313636.0	83892.9	27.61
MIN Cent	-53165.0	-4113.6	62074.1	47302.3	-117357.0	50.73
5283	75632.8	-18862.8	64591.4	108412.6	-53127.4	26.91

AUTOSTRADA VALDASTICO A31 NORD
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5186 -179466.8 26964.6 50305.9 44900.7 -201911.7 70.89
5187 -412913.0 -139962.1 45606.6 -120616.3 -427208.3 74.64
5286 163543.3 76344.5 61929.3 195681.2 44206.6 27.43

NODE Vxx Vyy

MAX Cent 194879.1 13066.4

5283 136622.5 -27309.9
5186 137020.2 62807.5
5187 252390.4 64192.9
5286 252782.9 -25035.3

MIN Cent 119811.3 6658.2

5283 80300.3 -40253.5
5186 80597.3 38945.0
5187 158789.8 39845.0
5286 159083.1 -36862.9

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2429 3 3 env SL~1 MAX Cent 6583562.7 6583562.7 0.0 6583562.7 6583562.7 -49.94

5284 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -66.26
5285 6583562.7 6583562.7 0.0 6583562.7 6583562.7 20.96
5289 6583562.7 6583562.7 0.0 6583562.7 6583562.7 -88.78
5288 6583562.7 6583562.7 0.0 6583562.7 6583562.7 25.99

MIN Cent -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -50.50

5284 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -64.65
5285 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 36.60
5289 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -73.88
5288 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 28.70

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 180763.0 175772.8 36352.1 212133.9 144401.8 42.89

5284 -15976.9 -19838.5 11470.8 -6780.6 -28649.3 38.72
5285 286515.8 129752.7 35428.8 293232.4 123036.1 11.46
5289 319365.5 317676.1 56538.3 369820.4 267211.3 41.75
5288 136667.1 276360.0 29714.9 281500.4 131526.6 79.33

MIN Cent 85587.8 86697.4 6089.6 92257.4 80027.8 47.60

5284 -74658.1 -73032.4 -14245.6 -56440.1 -85797.5 -51.98
5285 166622.0 52007.9 6320.7 166969.5 51660.4 3.15
5289 197474.1 202284.3 21701.1 221713.2 178045.2 48.16
5288 53503.5 159812.8 624.4 159816.5 53499.8 89.66

NODE Vxx Vyy

MAX Cent -66179.9 -68505.9

5284 -81897.7 -81573.3
5285 -81836.7 -56923.3

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

5289 -50591.9 -55672.1
 5288 -50531.4 -79901.8
 MIN Cent -100383.6 -101917.6
 5284 -124431.3 -121837.9
 5285 -124338.2 -84349.7
 5289 -76534.0 -82475.7
 5288 -76441.9 -119280.5

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2430	3	3	env SL~1	MAX Cent 6583562.7	6583562.7	6583562.7	0.0	6583562.7	6583562.7	74.51
				5285	6583562.7	6583562.7	0.0	6583562.7	6583562.7	46.53
				5286	6583562.7	6583562.7	0.0	6583562.7	6583562.7	56.27
				5290	6583562.7	6583562.7	-0.0	6583562.7	6583562.7	-37.73
				5289	6583562.7	6583562.7	0.0	6583562.7	6583562.7	62.69
				MIN Cent -1412667.3	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	75.45
				5285	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	48.14
				5286	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	54.03
				5290	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	-37.30
				5289	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	59.64

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
MAX Cent 261618.6	185348.0	60855.3	292237.9	156409.2	26.71	
5285	253736.3	126314.4	69359.0	280346.6	99704.2	22.57
5286	252039.8	124360.7	68910.7	280378.8	95769.0	22.35
5290	213992.9	169633.2	45251.2	240435.8	144665.4	30.46
5289	338101.0	320657.0	44056.7	369823.7	292118.1	35.92
MIN Cent 160511.5	105515.4	29895.5	173632.2	92394.6	23.70	
5285	131411.1	47693.8	33334.9	143062.8	36042.0	19.27
5286	157138.2	60940.3	37761.5	170190.2	47888.2	19.07
5290	143920.8	108817.7	21356.3	154012.5	98726.0	25.29
5289	210213.9	204312.3	15988.7	223521.8	191004.4	39.77

NODE	Vxx	Vyy
MAX Cent 27149.4	-35305.0	
5285	8404.5	-53653.5
5286	8532.8	-17812.8
5290	45656.3	-17221.8
5289	45783.3	-52595.1
MIN Cent 4910.6	-51963.5	
5285	-9781.7	-79596.2
5286	-9688.4	-25658.9
5290	19423.5	-24741.1
5289	19515.8	-77953.1

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2431	3	3	env SL~1	MAX Cent 6583562.7	6583562.7	6583562.7	0.0	6583562.7	6583562.7	81.01
				5286	6583562.7	6583562.7	0.0	6583562.7	6583562.7	13.39
				5187	6583562.7	6583562.7	-0.0	6583562.7	6583562.7	-73.68
				5188	6583562.7	6583562.7	0.0	6583562.7	6583562.7	13.11
				5290	6583562.7	6583562.7	-0.0	6583562.7	6583562.7	-84.52
				MIN Cent -1412667.3	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	88.74
				5286	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	12.37
				5187	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	-71.76
				5188	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	13.32
				5290	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	-84.14
				NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE
				MAX Cent -43931.8	42884.6	38846.9	50059.8	-52173.6	77.25	
				5286	261403.0	126673.1	62990.3	284732.5	104218.4	20.32
				5187	-239046.9	-29832.8	45152.4	-25943.7	-243989.5	82.40
				5188	-278746.0	-61251.1	9636.7	-61177.0	-278912.1	88.96
				5290	266092.4	179415.5	27783.8	273211.9	174207.2	14.97
				MIN Cent -90154.5	15918.3	23316.2	24572.4	-97329.8	70.43	
				5286	161465.8	62067.8	38846.7	174846.6	48687.1	19.01
				5187	-394264.0	-47195.0	29156.8	-41925.8	-398783.2	83.54
				5188	-459473.7	-98514.1	2416.2	-98309.2	-459495.3	88.58
				5290	179772.8	115944.4	13166.3	183208.3	113374.1	13.43
				NODE	Vxx	Vyy				
				MAX Cent 260489.4	-1098.7					
				5286	252286.0	-14104.3				
				5187	252358.5	15917.6				
				5188	268572.1	16020.3				
				5290	268644.0	-13828.6				
				MIN Cent 165834.4	-2531.8					
				5286	158730.4	-20291.8				
				5187	158803.7	9914.6				
				5188	172823.4	9974.5				
				5290	172896.1	-19820.7				

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2432	3	3	env SL~1	MAX Cent 6583562.7	6583562.7	6583562.7	0.0	6583562.7	6583562.7	77.94
				5288	6583562.7	6583562.7	0.0	6583562.7	6583562.7	35.82
				5289	6583562.7	6583562.7	0.0	6583562.7	6583562.7	-50.17
				5294	6583562.7	6583562.7	0.0	6583562.7	6583562.7	-27.77
				5293	6583562.7	6583562.7	-0.0	6583562.7	6583562.7	-76.43
				MIN Cent -1412667.3	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	76.63
				5288	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	35.64

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5289 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -51.50
 5294 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -26.61
 5293 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -78.09

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 190386.4 269840.7 64501.4 299841.9 164002.3 60.27
 5288 133138.4 256343.2 71238.3 282238.3 107243.3 67.38
 5289 323182.7 335010.6 48234.4 371421.8 289180.4 45.00
 5294 178273.7 233434.5 49440.5 262467.2 156394.8 59.58
 5293 132950.2 269564.9 72588.7 300724.4 109171.5 66.77
 MIN Cent 105767.1 171388.7 28793.8 182231.4 94924.3 69.37
 5288 49427.1 138778.5 30954.9 148454.7 39750.9 72.64
 5289 199506.8 211582.9 17617.5 224168.4 186921.3 54.46
 5294 106509.1 157224.9 20931.8 167018.1 99268.1 70.92
 5293 68177.3 175102.2 34473.4 185253.1 58026.5 73.59

NODE Vxx Vyy

MAX Cent -32525.9 13291.8
 5288 -50734.6 -5724.3
 5289 -50689.8 30764.2
 5294 -14440.9 32551.1
 5293 -14396.6 -3400.1
 MIN Cent -49118.5 -1816.1
 5288 -76754.1 -22787.8
 5289 -76684.5 11728.2
 5294 -21672.4 13114.1
 5293 -21603.5 -20282.7

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2433 3 3 env SL~1 MAX Cent 6583562.7 6583562.7 0.0 6583562.7 6583562.7 89.75
 5289 6583562.7 6583562.7 0.0 6583562.7 6583562.7 54.20
 5290 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -29.74
 5295 6583562.7 6583562.7 0.0 6583562.7 6583562.7 -1.93
 5294 6583562.7 6583562.7 0.0 6583562.7 6583562.7 60.22
 MIN Cent -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 83.36
 5289 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 54.41
 5290 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -29.34
 5295 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -1.51
 5294 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 61.97

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 223398.1 221826.8 -14168.5 247046.7 204572.3 -47.99
 5289 341935.0 337600.9 25246.1 359427.9 325969.3 35.81
 5290 221144.5 201117.4 -14485.2 230853.7 186474.5 -27.89

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1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

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5295 121868.3 131157.9 -44408.7 184841.5 69978.8 -47.14
5294 209314.5 234488.5 -12652.4 244920.2 201580.5 -54.54
MIN Cent 143143.8 149450.3 -27996.6 169112.1 122054.3 -46.88
5289 212200.4 213272.0 4181.5 216951.9 208520.6 48.65
5290 147929.7 126980.7 -27097.0 161731.4 111510.4 -35.68
5295 83738.7 91214.5 -67223.4 132042.3 40976.0 -47.41
5294 126288.0 157919.9 -26818.1 167366.2 114593.0 -59.86

```

NODE Vxx Vyy

```

MAX Cent 37983.2 29427.4
5289 45509.5 34888.7
5290 45492.4 24380.4
5295 30517.6 24104.8
5294 30500.8 34349.6
MIN Cent 15151.7 10520.6
5289 19287.3 14386.6
5290 19275.0 6883.1
5295 11052.3 6731.8
5294 11040.2 14090.4

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2434 3 3 env SL~1 MAX Cent 6583562.7 6583562.7 0.0 6583562.7 6583562.7 19.14
5290 6583562.7 6583562.7 0.0 6583562.7 6583562.7 62.65
5188 6583562.7 6583562.7 0.0 6583562.7 6583562.7 21.14
5189 6583562.7 6583562.7 0.0 6583562.7 6583562.7 -45.85
5295 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -24.24
MIN Cent -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 17.48
5290 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 57.09
5188 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 21.85
5189 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -39.96
5295 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -24.73

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -22499.9 66089.0 -49688.4 96939.7 -51565.3 -65.78
5290 272424.1 210570.1 -36332.4 297096.6 180896.9 -27.44
5188 -282834.9 -83738.1 -23631.8 -81090.4 -286034.5 -83.61
5189 -116474.0 48366.3 -52368.6 65073.1 -133180.7 -73.12
5295 175233.8 140869.4 -64887.3 249255.5 69616.3 -39.51
MIN Cent -77542.6 46986.8 -73009.9 72341.7 -108424.0 -64.84
5290 183790.3 133811.2 -53583.6 205149.2 111251.0 -30.45
5188 -465649.1 -127194.4 -35774.5 -123923.4 -469347.6 -84.16
5189 -263237.0 34081.3 -77500.6 50742.0 -282072.5 -76.50
5295 119462.0 97791.5 -94876.6 174412.5 42820.0 -40.26

```

NODE Vxx Vyy

AUTOSTRADA VALDASTICO A31 NORD
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MAX Cent 216071.0 -10107.1

5290 268295.0 28447.2
5188 268169.8 -37653.9
5189 164275.8 -37717.3
5295 164152.3 26530.9

MIN Cent 132510.0 -18606.3

5290 172591.6 9680.1
5188 172500.7 -53515.3
5189 92752.3 -53605.6
5295 92662.7 8209.3

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2435 3 3 env SL~1 MAX Cent 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -42.41

5293 6583562.7 6583562.7 0.0 6583562.7 6583562.7 -66.95
5294 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -58.57
5266 6583562.7 6583562.7 0.0 6583562.7 6583562.7 2.24
5265 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -22.43

MIN Cent -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -41.90

5293 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -68.05
5294 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -57.80
5266 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 1.18
5265 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -21.72

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 45533.5 -36219.6 41050.0 61292.2 -45098.9 21.43

5293 134920.7 284370.9 60248.1 305399.4 121874.0 70.76
5294 187998.3 283949.8 24869.7 289984.4 183857.5 76.33
5266 -87597.3 -303899.2 10777.5 -87528.0 -303900.6 1.00
5265 -7943.1 -227634.0 50942.0 111.5 -231212.6 9.63

MIN Cent 13589.0 -73438.3 19210.1 19877.0 -80305.0 18.12

5293 68782.6 182354.7 30139.6 189857.5 61279.8 76.02
5294 113212.9 190427.2 6896.2 192381.2 112619.7 80.31
5266 -127458.4 -466941.7 541.9 -127096.3 -466975.6 1.95
5265 -27812.5 -379014.9 26979.4 -24233.9 -384051.4 7.56

NODE Vxx Vyy

MAX Cent 7141.1 241916.1

5293 -17059.4 226154.5
5294 -17512.3 254370.0
5266 40167.6 257466.0
5265 39459.8 229967.2

MIN Cent 2784.5 156760.5

5293 -25328.6 140933.4
5294 -26045.0 170126.7
5266 25135.3 172479.3

AUTOSTRADA VALDASTICO A31 NORD
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5265 24620.8 143812.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2436	3	3	env SL~1	MAX Cent 6583562.7	6583562.7	0.0	6583562.7	6583562.7	68.04	
				5294	6583562.7	6583562.7	0.0	6583562.7	6583562.7	-2.50
				5295	6583562.7	6583562.7	0.0	6583562.7	6583562.7	71.74
				5267	6583562.7	6583562.7	0.0	6583562.7	6583562.7	50.45
				5266	6583562.7	6583562.7	-0.0	6583562.7	6583562.7	-30.72
				MIN Cent -1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	69.45	
				5294	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	-10.87
				5295	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	71.00
				5267	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	48.72
				5266	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	-30.48

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent	67044.5	-43643.1	-48617.2	95161.1	-70901.5	-22.74
5294	221988.5	282838.5	-38314.5	311269.9	193680.2	-56.63
5295	137883.4	185522.2	-65761.2	256156.3	68576.0	-52.30
5267	3159.7	-196091.9	-52989.2	20720.3	-212265.7	-13.57
5266	-69436.1	-304845.0	-22523.4	-67381.4	-308230.4	-5.21
MIN Cent	37619.8	-81046.4	-73705.7	63908.5	-112112.7	-22.72
5294	135010.6	189683.9	-60224.3	212434.3	111303.6	-59.30
5295	94661.9	128007.8	-98830.6	179176.8	41854.7	-52.11
5267	-471.6	-302166.7	-77500.3	12096.6	-320856.0	-13.34
5266	-98644.5	-467545.2	-34561.2	-95434.5	-470755.3	-5.31

NODE Vxx Vyy

MAX Cent	1739.5	217237.9
5294	25806.2	257631.0
5295	27220.7	178560.8
5267	-17406.7	176772.0
5266	-16536.2	255097.1
MIN Cent	-8338.7	146886.0
5294	7884.0	172016.8
5295	8761.9	122929.7
5267	-25334.1	121732.3
5266	-24465.0	170313.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE
2437	3	3	env SL~1	MAX Cent 6583562.7	6583562.7	0.0	6583562.7	6583562.7	-66.11	
				5295	6583562.7	6583562.7	-0.0	6583562.7	6583562.7	-15.11
				5189	6583562.7	6583562.7	0.0	6583562.7	6583562.7	77.77
				5111	6583562.7	6583562.7	0.0	6583562.7	6583562.7	1.49

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5267 6583562.7 6583562.7 0.0 6583562.7 6583562.7 -89.38
MIN Cent -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -63.31
5295 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -16.08
5189 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 77.42
5111 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 0.88
5267 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -87.61

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent 18352.2 -20795.8 -87814.9 96560.6 -98383.2 -41.56
5295 191639.2 194281.9 -93915.3 326596.5 61316.2 -45.28
5189 -135228.3 -65425.7 -74319.5 -14135.2 -186518.9 -56.94
5111 156367.1 58086.2 -55949.6 185716.1 28737.2 -25.62
5267 -80159.0 -215910.1 -75901.1 -44876.4 -257160.0 -26.16
MIN Cent -35163.6 -56292.1 -128049.9 69889.8 -174212.8 -39.88
5295 130658.6 133996.0 -137291.7 226257.4 37538.6 -45.51
5189 -288742.1 -118268.7 -110319.7 -64093.3 -342917.5 -63.85
5111 79287.6 23981.8 -81056.5 127038.4 -22005.2 -28.50
5267 -118071.1 -328736.3 -109176.5 -71698.5 -375108.9 -23.01

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```

NODE Vxx Vyy
-----
MAX Cent 56445.5 74312.8
5295 160599.0 184012.2
5189 164437.7 -14086.8
5111 -47147.0 -16745.2
5267 -43677.5 176728.7
MIN Cent 8998.8 49172.6
5295 90171.5 126368.3
5189 92863.8 -31113.3
5111 -74367.3 -34883.1
5267 -71708.0 120693.5

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2438 3 3 env SL~1 MAX Cent 6583562.7 6583562.7 0.0 6583562.7 6583562.7 86.49
1024 6583562.7 6583562.7 0.0 6583562.7 6583562.7 58.50
5284 6583562.7 6583562.7 0.0 6583562.7 6583562.7 -88.80
5288 6583562.7 6583562.7 0.0 6583562.7 6583562.7 83.01
5287 6583562.7 6583562.7 0.0 6583562.7 6583562.7 74.92
MIN Cent -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 88.95
1024 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 54.86
5284 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -84.73
5288 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 84.69
5287 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 68.47

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NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

MAX Cent -118167.4 -64258.8 -52933.7 -31729.5 -151616.9 -61.54
  1024 -525839.4 -505300.6 -144530.1 -370675.5 -660464.5 -47.03
  5284  81433.6 -14172.2 -66063.0 128498.0 -59956.9 -29.79
  5288 168055.0 282295.7 36677.5 293057.4 157293.3 73.65
  5287 -90480.3 158741.3 -61782.1 178678.7 -110252.0 -75.22
MIN Cent -184479.0 -117199.7 -75959.0 -68517.8 -231963.0 -56.78
  1024 -803062.7 -773383.2 -213724.1 -573984.3 -1002461.6 -46.99
  5284 -4196.2 -67780.7 -93610.5 59719.4 -127889.6 -35.71
  5288 84093.6 164936.9 488.0 164939.8 84090.6 89.65
  5287 -142224.1 54532.8 -88396.7 88297.9 -170177.4 -68.31

```

NODE Vxx Vyy

```

MAX Cent -136433.8 -147660.9
  1024 -199237.9 -215711.7
  5284 -198920.8 -87725.1
  5288 -74394.9 -81092.3
  5287 -74082.3 -206378.7
MIN Cent -207020.1 -221103.3
  1024 -302241.0 -323347.3
  5284 -301764.8 -131161.8
  5288 -112954.7 -121104.9
  5287 -112485.3 -309196.9

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2439 3 3 env SL~1 MAX Cent 6583562.7 6583562.7 0.0 6583562.7 6583562.7 27.17
  5287 6583562.7 6583562.7 0.0 6583562.7 6583562.7 17.43
  5288 6583562.7 6583562.7 0.0 6583562.7 6583562.7 -5.53
  5293 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -66.01
  5292 6583562.7 6583562.7 0.0 6583562.7 6583562.7 21.74
MIN Cent -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 25.60
  5287 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 15.92
  5288 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -6.29
  5293 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -68.11
  5292 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 20.82

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent 44751.3 201709.7 65402.8 222179.9 24281.1 71.24
  5287 -103142.6 66464.3 29928.0 71028.0 -105039.9 81.33
  5288 166561.7 261340.5 52880.6 281872.9 146029.4 67.12
  5293 139498.0 273494.5 92816.6 320967.6 96118.0 62.91
  5292 3628.3 211897.1 68618.8 229657.9 -13110.4 74.36
MIN Cent -1831.7 107277.5 24801.3 112650.5 -7204.6 77.78
  5287 -161576.0 -14635.6 -3004.4 -14563.0 -166245.2 -88.61
  5288 81269.9 143294.6 15942.9 147152.6 77411.9 76.40
  5293 75182.3 177862.5 46164.1 195565.4 57479.4 69.02
  5292 -24413.2 121911.0 27424.7 126882.2 -29384.4 79.73

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	-54737.6	-26844.8
5287	-74966.6	-44593.1
5288	-74912.8	-7332.4
5293	-34704.9	-4753.6
5292	-34651.9	-41753.0
MIN Cent	-83151.1	-47376.8
5287	-113825.3	-73921.5
5288	-113743.2	-24463.8
5293	-52775.0	-21695.5
5292	-52694.1	-69706.4

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2440	3	3	env SL~1	MAX Cent	6583562.7	6583562.7	0.0	6583562.7	6583562.7	40.90
				5292	6583562.7	6583562.7	-0.0	6583562.7	6583562.7	-55.61
				5293	6583562.7	6583562.7	0.0	6583562.7	6583562.7	20.61
				5265	6583562.7	6583562.7	0.0	6583562.7	6583562.7	68.95
				5264	6583562.7	6583562.7	-0.0	6583562.7	6583562.7	-51.08
				MIN Cent	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	40.65
				5292	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	-56.82
				5293	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	18.03
				5265	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	68.88
				5264	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	-50.61

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	9323.6	18368.9	95204.5	106066.0	-61831.9	45.94
5292	-4039.0	188663.0	96792.7	218645.1	-31940.9	69.89
5293	138233.0	289400.5	92392.9	333187.4	102125.5	64.64
5265	-100180.2	-241074.0	71134.9	-88489.9	-252069.3	14.85
5264	55097.1	-59201.7	79136.9	91551.2	-95105.4	25.11
MIN Cent	-12645.1	-25293.1	52670.5	42494.2	-94543.0	46.31
5292	-31057.0	99727.8	50645.2	117046.3	-54571.9	71.12
5293	74290.0	185763.9	49404.1	204507.7	55546.2	69.22
5265	-146789.1	-399510.1	39908.7	-132549.5	-413749.7	13.00
5264	14711.4	-177259.3	43374.9	31729.0	-199347.3	21.42

NODE	Vxx	Vyy

MAX Cent	2782.3	178535.5
5292	-35874.0	125489.3
5293	-37203.9	223854.7
5265	61340.1	231057.1
5264	59314.0	134718.3
MIN Cent	-50.4	103394.3

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5292 -54191.8 62046.2
5293 -56248.7 139407.3
5265 37910.6 144436.4
5264 36549.5 68462.8

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2441 3 3 env SL~1 MAX Cent 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -58.33
1032 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -20.82
5287 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -24.24
5292 6583562.7 6583562.7 0.0 6583562.7 6583562.7 49.05
5291 6583562.7 6583562.7 0.0 6583562.7 6583562.7 70.66
MIN Cent -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -59.71
1032 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -21.50
5287 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -27.55
5292 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 49.01
5291 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 72.26

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent -135789.3 -23653.8 -27607.8 -18513.8 -144472.1 -79.51
1032 -448411.4 -400005.3 -113305.6 -308346.6 -540070.1 -51.03
5287 -29743.5 70142.8 -44874.0 91548.2 -51441.0 -67.33
5292 51361.6 218475.2 60861.8 237546.3 31975.6 72.57
5291 -90005.9 129107.0 -33164.3 133894.0 -97386.3 -82.02
MIN Cent -209525.5 -80098.4 -53002.3 -65644.4 -221974.0 -71.79
1032 -690713.8 -623182.2 -171126.3 -482522.2 -831373.7 -50.58
5287 -63541.1 -11655.1 -67916.4 35104.6 -110300.8 -55.45
5292 14528.3 127409.2 19361.4 130637.8 11299.8 80.53
5291 -138554.1 31905.0 -57884.8 51679.1 -149370.0 -71.14

NODE Vxx Vyy

MAX Cent -93376.8 -104064.2
1032 -143755.4 -167902.3
5287 -143562.1 -49378.9
5292 -43874.1 -42360.3
5291 -43685.6 -156862.4
MIN Cent -143653.6 -161318.4
1032 -220533.4 -256527.2
5287 -220245.7 -81373.2
5292 -68103.4 -70781.3
5291 -67822.9 -239679.8

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2442 3 3 env SL~1 MAX Cent 6583562.7 6583562.7 0.0 6583562.7 6583562.7 6.69

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

```

5291 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -17.41
5292 6583562.7 6583562.7 0.0 6583562.7 6583562.7 5.33
5264 6583562.7 6583562.7 0.0 6583562.7 6583562.7 -13.33
5263 6583562.7 6583562.7 0.0 6583562.7 6583562.7 89.99
MIN Cent -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 5.08
5291 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -17.80
5292 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 8.56
5264 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -15.18
5263 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -89.77

```

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE
-----
MAX Cent -27983.3 46840.5 72986.5 88344.2 -56530.4 59.83
5291 -105220.0 35128.6 51282.2 45149.3 -113258.6 76.51
5292 42398.1 193240.0 75673.4 216602.4 15681.5 70.12
5264 -61921.9 -84267.7 73024.0 -10031.7 -121189.7 42.31
5263 60905.0 129840.2 47190.2 149971.9 38708.5 64.83
MIN Cent -43346.8 2509.7 33558.4 20224.6 -84608.3 62.17
5291 -162323.4 -46412.6 14227.9 -44162.6 -179181.0 81.01
5292 8613.7 103682.3 33716.1 114425.7 -2129.7 72.33
5264 -100582.8 -203361.9 38502.4 -69440.1 -234504.6 25.74
5263 19519.9 -9810.6 18114.5 52922.3 -37494.2 61.53

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NODE Vxx Vyy
-----
MAX Cent -8554.0 76533.4
5291 -43833.8 18254.2
5292 -45333.3 124786.4
5264 40430.0 133515.5
5263 38582.5 30488.7
MIN Cent -14674.0 17651.7
5291 -67621.2 -49574.7
5292 -69960.3 60984.8
5264 23844.5 67328.4
5263 22328.5 -36982.8

```

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE
-----
2443 3 3 env SL~1 MAX Cent 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -35.72
1040 6583562.7 6583562.7 0.0 6583562.7 6583562.7 -66.66
5291 6583562.7 6583562.7 0.0 6583562.7 6583562.7 53.28
5263 6583562.7 6583562.7 0.0 6583562.7 6583562.7 -83.35
5262 6583562.7 6583562.7 0.0 6583562.7 6583562.7 76.54
MIN Cent -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -33.65
1040 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -65.07
5291 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 52.83
5263 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -84.54
5262 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 73.94

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AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-101513.7	-56424.8	-19776.8	-47114.5	-110921.0	-73.06
1040	-344017.9	-296085.6	-86558.5	-230236.7	-409866.8	-52.74
5291	-38451.4	26233.8	-27497.5	38326.7	-56413.0	-69.57
5263	20338.5	119495.5	39383.4	130955.2	8981.3	72.16
5262	-19571.2	141734.9	-28838.7	158389.2	-36037.5	-72.87
MIN Cent	-154696.6	-87022.4	-44345.4	-69002.5	-163884.8	-69.89
1040	-553503.6	-478153.8	-127741.9	-382646.9	-649010.5	-53.22
5291	-60271.7	-53321.4	-49294.8	-11066.3	-106213.7	-50.37
5263	-19091.7	-21995.9	12313.0	16412.1	-57933.7	44.45
5262	-45186.7	7414.0	-55786.4	23802.9	-77904.1	-61.63

NODE	Vxx	Vyy

MAX Cent	-60454.1	-37149.8
1040	-112104.6	-100765.8
5291	-113613.7	9445.6
5263	-5878.1	24861.9
5262	-7701.2	-75537.5
MIN Cent	-99530.9	-115053.7
1040	-184116.9	-198880.5
5291	-186529.8	-64615.5
5263	-17927.1	-43418.9
5262	-19179.8	-160508.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2444	3	3	env SL~1	MAX Cent	6583562.7	6583562.7	0.0	6583562.7	6583562.7	19.29
				1016	6583562.7	6583562.7	0.0	6583562.7	6583562.7	19.26
				1008	6583562.7	6583562.7	0.0	6583562.7	6583562.7	19.29
				5282	6583562.7	6583562.7	0.0	6583562.7	6583562.7	19.29
				MIN Cent	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	17.76
				1016	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	17.76
				1008	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	17.28
				5282	-1412667.3	-1412667.3	0.0	-1412667.3	-1412667.3	17.28

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	64441.2	-369693.4	41666.1	66764.8	-370989.5	3.51
1016	-187193.3	-616528.2	-66972.8	-176988.7	-626732.9	-8.66
1008	194058.8	-368087.4	114208.7	210783.4	-378816.1	8.49
5282	299148.6	-124464.5	100948.4	319432.9	-136161.2	11.36
MIN Cent	48778.6	-551316.8	5575.3	50074.7	-553640.4	3.18
1016	-299883.7	-930638.7	-99340.2	-284608.2	-945914.2	-8.74
1008	128508.1	-540356.9	61552.1	139236.7	-557081.5	8.27
5282	205020.9	-193160.2	39957.7	216717.7	-203349.7	10.49

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

NODE	Vxx	Vyy

MAX Cent	-86883.5	-194996.0
1016	-76816.2	-223639.0
1008	-76816.2	-163237.3
5282	-106094.6	-194948.8
MIN Cent	-136179.3	-292899.6
1016	-120094.8	-343716.0
1008	-120094.8	-242158.6
5282	-168348.1	-292824.2

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2445	3	3	env SL~1	MAX Cent	6583562.7	6583562.7	0.0	6583562.7	6583562.7	45.00
				1024	6583562.7	6583562.7	0.0	6583562.7	6583562.7	45.00
				1016	6583562.7	6583562.7	0.0	6583562.7	6583562.7	19.22
				5284	6583562.7	6583562.7	0.0	6583562.7	6583562.7	19.22
				MIN Cent	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	-6.15
				1024	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	-7.13
				1016	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	-4.81
				5284	-1412667.3	-1412667.3	-0.0	-1412667.3	-1412667.3	-4.81

NODE	Mxx	Myy	Mxy	Mmax	Mmin	ANGLE

MAX Cent	-1192.1	-485918.2	7051.2	-1163.0	-485940.0	0.38
1024	-121777.2	-666140.2	-99593.0	-104128.5	-683788.9	-10.05
1016	-121370.2	-659642.9	157658.2	-101792.9	-679220.1	10.61
5284	323900.8	-131971.6	11254.6	323987.8	-132036.6	0.78
MIN Cent	-31100.2	-734691.9	-970.2	-31037.9	-734739.8	0.56
1024	-198997.6	-1008920.9	-149975.6	-172149.2	-1035800.2	-10.04
1016	-195505.2	-994027.1	104504.3	-165504.7	-1024027.6	10.77
5284	212651.6	-202920.1	-4475.2	212701.0	-203171.9	-0.63

NODE	Vxx	Vyy

MAX Cent	5440.2	-283005.8
1024	4991.7	-287170.0
1016	4991.7	-278787.2
5284	6337.4	-283060.2
MIN Cent	-3263.0	-426628.7
1024	-534.8	-435087.0
1016	-534.8	-418059.8
5284	-8719.4	-426739.1

ELEM	MAT	SEC	LC	NODE	Fxx	Fyy	Fxy	Fmax	Fmin	ANGLE

2446	3	3	env SL~1	MAX Cent	6583562.7	6583562.7	0.0	6583562.7	6583562.7	38.12

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

```

1032 6583562.7 6583562.7 0.0 6583562.7 6583562.7 39.23
1024 6583562.7 6583562.7 0.0 6583562.7 6583562.7 38.12
5287 6583562.7 6583562.7 0.0 6583562.7 6583562.7 38.12
MIN Cent -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 34.56
1032 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 34.56
1024 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 34.56
5287 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 34.56

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -5902.5 -431891.5 -29284.4 -2050.2 -433933.0 -4.71
1032 -69390.5 -540580.7 -108468.9 -35356.7 -564366.1 -13.02
1024 -157832.6 -634659.3 115115.0 -146303.9 -646188.0 8.74
5287 277292.9 -120434.4 -54418.6 296096.8 -129814.0 -11.89
MIN Cent -36381.5 -660857.2 -46715.7 -34102.8 -663567.5 -3.56
1032 -123621.7 -829326.0 -162334.9 -89128.7 -864763.1 -12.25
1024 -249964.7 -963543.5 75034.3 -231854.0 -981654.2 8.94
5287 184849.1 -189812.3 -89281.7 193306.9 -202209.2 -8.59

```

NODE Vxx Vyy

```

MAX Cent 47576.7 -252767.8
1032 33565.6 -227187.3
1024 33565.6 -279140.2
5287 75598.9 -251975.9
MIN Cent 28060.1 -382393.6
1032 20012.5 -347240.9
1024 20012.5 -418634.7
5287 43631.1 -381305.4

```

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

```

2447 3 3 env SL~1 MAX Cent 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -73.16
1040 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -71.75
1032 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -73.16
5291 6583562.7 6583562.7 -0.0 6583562.7 6583562.7 -73.16
MIN Cent -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -66.80
1040 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -66.80
1032 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -66.80
5291 -1412667.3 -1412667.3 -0.0 -1412667.3 -1412667.3 -66.80

```

NODE Mxx Myy Mxy Mmax Mmin ANGLE

```

MAX Cent -11988.3 -332943.1 -20851.2 -8237.3 -334487.0 -5.70
1040 -30866.0 -416426.3 -85318.3 -3192.9 -435864.0 -13.66
1032 -136248.4 -487134.4 98710.0 -126124.8 -497257.9 9.51
5291 196422.7 -88625.7 -37027.5 205111.0 -102463.4 -14.31
MIN Cent -44606.7 -520212.2 -38935.8 -43119.9 -521951.5 -3.26

```

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL’ASTICO

1040 -122030.7 -663499.8 -130488.6 -93980.6 -693239.2 -12.68
 1032 -211258.2 -752310.6 60454.1 -193812.1 -769756.8 10.02
 5291 131437.3 -151693.1 -75791.7 138632.1 -156398.4 -9.95

NODE Vxx Vyy

MAX Cent 48063.1 -200109.3

1040 37730.9 -184193.1
 1032 37730.9 -216997.6
 5291 68727.6 -199137.2

MIN Cent 18785.5 -314520.5

1040 15075.8 -294338.5
 1032 15075.8 -337282.0
 5291 26205.0 -313210.4

ELEM MAT SEC LC NODE Fxx Fyy Fxy Fmax Fmin ANGLE

2448 3 3 env SL~1 MAX Cent 6583562.7 6583562.7 0.0 6583562.7 6583562.7 70.93

1048 6583562.7 6583562.7 0.0 6583562.7 6583562.7 70.93
 1040 6583562.7 6583562.7 0.0 6583562.7 6583562.7 70.29
 5262 6583562.7 6583562.7 0.0 6583562.7 6583562.7 70.29

MIN Cent -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 70.74

1048 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 71.21
 1040 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 70.24
 5262 -1412667.3 -1412667.3 0.0 -1412667.3 -1412667.3 70.24

NODE Mxx Myy Mxy Mmax Mmin ANGLE

MAX Cent 18102.8 -276322.2 3548.3 18617.3 -276331.5 -2.05

1048 -88635.4 -426599.7 -90247.1 -49058.3 -449452.5 -15.32
 1040 -52577.8 -361290.2 116196.0 -33375.2 -377315.3 12.11
 5262 258090.2 -10031.2 36256.1 258290.7 -10375.1 -1.55

MIN Cent -31244.4 -399977.4 -14363.2 -31203.7 -400451.6 0.67

1048 -170708.6 -608741.3 -150663.3 -141652.2 -649825.3 -14.10
 1040 -115355.4 -576228.0 70783.2 -87565.7 -603668.1 13.45
 5262 117836.2 -76107.3 -9511.4 121778.0 -81522.3 8.17

NODE Vxx Vyy

MAX Cent -211.0 -181101.8

1048 6046.1 -210022.5
 1040 6046.1 -144191.0
 5262 -12725.3 -184274.4

MIN Cent -32602.3 -295100.2

1048 -19824.2 -321472.5
 1040 -19824.2 -265834.8
 5262 -58158.4 -297993.2

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO - PIOVENE ROCCHETTE – VALLE DELL'ASTICO
