

COMMITTENTE:



ALTA SORVEGLIANZA:



GENERAL CONTRACTOR:



INFRASTRUTTURE FERROVIARIE STRATEGICHE DEFINITE DALLA
LEGGE OBIETTIVO N.443/01

TRATTA A.V./A.C. TERZO VALICO DEI GIOVI
PROGETTO ESECUTIVO

TOMBINO SCATOLARE 8.00X6.00

Rio Trasta

Allegati di calcolo

GENERAL CONTRACTOR	DIRETTORE LAVORI	SCALA:
Consorzio Cociv Ing. G. Guagnozzi		----

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.
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PROGETTAZIONE

Rev.	Descrizione emissione	Redatto	Data	Verificato	Data	Progettista Integratore	Data	IL PROGETTISTA
A00	Prima emissione	D.A.M. S.p.A. <i>ALP</i>	26/09/2012	Ing. F. Colla <i>F. Colla</i>	27/09/2012	E. Pagani <i>E. Pagani</i>	28/09/2012	PROGETTISTA

n. Elab.

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1. ALLEGATI DI CALCOLO

1.1. TOMBINO SCATOLARE

1.1.1. InPut

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SYSTEM

DOF=UX,UZ,RY LENGTH=m FORCE=KN PAGE=SECTIONS

JOINT

1 X=1.110223E-16 Y=0 Z=0
2 X=.45 Y=0 Z=0
3 X=.9205883 Y=0 Z=0
4 X=1.391176 Y=0 Z=0
5 X=1.861765 Y=0 Z=0
6 X=2.332353 Y=0 Z=0
7 X=2.802941 Y=0 Z=0
8 X=3.27353 Y=0 Z=0
9 X=3.744118 Y=0 Z=0
10 X=4.214706 Y=0 Z=0
11 X=4.685294 Y=0 Z=0
12 X=5.155882 Y=0 Z=0
13 X=5.626471 Y=0 Z=0
14 X=6.097059 Y=0 Z=0
15 X=6.567647 Y=0 Z=0
16 X=7.038235 Y=0 Z=0
17 X=7.508823 Y=0 Z=0
18 X=7.979412 Y=0 Z=0
19 X=8.45 Y=0 Z=0
20 X=8.9 Y=0 Z=0
21 X=1.11E-16 Y=0 Z=.5
23 X=1.11E-16 Y=0 Z=6.5
25 X=1.110223E-16 Y=0 Z=6.95
26 X=.45 Y=0 Z=6.95
27 X=8.45 Y=0 Z=6.95
28 X=8.9 Y=0 Z=6.95
31 X=8.9 Y=0 Z=.5
32 X=1.11E-16 Y=0 Z=3.8
33 X=8.9 Y=0 Z=3.8
34 X=8.9 Y=0 Z=6.5

PATTERN

NAME=DEFAULT

SPRING

ADD=1 U1=6370 U2=6370 U3=6370
ADD=2 U1=6370 U2=6370 U3=6370
ADD=3 U1=6370 U2=6370 U3=6370
ADD=4 U1=6370 U2=6370 U3=6370
ADD=5 U1=6370 U2=6370 U3=6370

LINEA AV/AC MILANO – GENOVA
ATTRAVERSAMENTO E SISTEMAZIONE IDRAULICA RIO TRASTA
RELAZIONE DI CALCOLO OPERE PROVVISORIALI

ADD=6 U1=6370 U2=6370 U3=6370
ADD=7 U1=6370 U2=6370 U3=6370
ADD=8 U1=6370 U2=6370 U3=6370
ADD=9 U1=6370 U2=6370 U3=6370
ADD=10 U1=6370 U2=6370 U3=6370
ADD=11 U1=6370 U2=6370 U3=6370
ADD=12 U1=6370 U2=6370 U3=6370
ADD=13 U1=6370 U2=6370 U3=6370
ADD=14 U1=6370 U2=6370 U3=6370
ADD=15 U1=6370 U2=6370 U3=6370
ADD=16 U1=6370 U2=6370 U3=6370
ADD=17 U1=6370 U2=6370 U3=6370
ADD=18 U1=6370 U2=6370 U3=6370
ADD=19 U1=6370 U2=6370 U3=6370
ADD=20 U1=6370 U2=6370 U3=6370

MATERIAL

NAME=STEEL IDES=S M=7.8271 W=76.81955
T=0 E=1.99948E+08 U=.3 A=.0000117 FY=248211.3
NAME=CONC IDES=C M=2.5 W=25
T=0 E=3.3675E+07 U=.2 A=.00001
NAME=OTHER IDES=N M=2.40068 W=23.56161
T=0 E=2.482113E+07 U=.2 A=.0000099
NAME=RCK35 IDES=C M=2.5 W=25
T=0 E=3.2588E+07 U=.2 A=.00001

FRAME SECTION

NAME=FSEC1 MAT=CONC SH=R T=.5,.3 A=.15 J=2.817371E-03 I=.003125,.001125 AS=.125,.125
NAME=SOLETTA MAT=RCK35 SH=R T=.9,1 A=.9 J=.1127522 I=.06075,.075 AS=.75,.75
NAME=PIEDRIT MAT=RCK35 SH=R T=.9,1 A=.9 J=.1127522 I=.06075,.075 AS=.75,.75
NAME=FONDAZ MAT=RCK35 SH=R T=1,1 A=1 J=.1408333 I=8.333334E-02,8.333334E-02 AS=.8333333,.8333333

FRAME

1 J=1,2 SEC=FONDAZ NSEG=4 ANG=0 IOFF=.225 RIGID=0
2 J=2,3 SEC=FONDAZ NSEG=4 ANG=0
3 J=3,4 SEC=FONDAZ NSEG=4 ANG=0
4 J=4,5 SEC=FONDAZ NSEG=4 ANG=0
5 J=5,6 SEC=FONDAZ NSEG=4 ANG=0
6 J=6,7 SEC=FONDAZ NSEG=4 ANG=0
7 J=7,8 SEC=FONDAZ NSEG=4 ANG=0
8 J=8,9 SEC=FONDAZ NSEG=4 ANG=0
9 J=9,10 SEC=FONDAZ NSEG=4 ANG=0
10 J=10,11 SEC=FONDAZ NSEG=4 ANG=0
11 J=11,12 SEC=FONDAZ NSEG=4 ANG=0
12 J=12,13 SEC=FONDAZ NSEG=4 ANG=0
13 J=13,14 SEC=FONDAZ NSEG=4 ANG=0
14 J=14,15 SEC=FONDAZ NSEG=4 ANG=0
15 J=15,16 SEC=FONDAZ NSEG=4 ANG=0
16 J=16,17 SEC=FONDAZ NSEG=4 ANG=0
17 J=17,18 SEC=FONDAZ NSEG=4 ANG=0
18 J=18,19 SEC=FONDAZ NSEG=4 ANG=0
19 J=19,20 SEC=FONDAZ NSEG=4 ANG=0 JOFF=.225 RIGID=0
26 J=25,26 SEC=SOLETTA NSEG=4 ANG=0 IOFF=.225 RIGID=0
27 J=26,27 SEC=SOLETTA NSEG=8 ANG=0
28 J=27,28 SEC=SOLETTA NSEG=2 ANG=0 JOFF=.225 RIGID=0
37 J=1,21 SEC=PIEDRIT NSEG=2 ANG=0 IOFF=.25 RIGID=0
38 J=21,32 SEC=PIEDRIT NSEG=4 ANG=0
39 J=32,23 SEC=PIEDRIT NSEG=4 ANG=0
42 J=23,25 SEC=PIEDRIT NSEG=2 ANG=0 JOFF=.225 RIGID=0
43 J=20,31 SEC=PIEDRIT NSEG=2 ANG=180 IOFF=.25 RIGID=0

LINEA AV/AC MILANO – GENOVA
ATTRAVERSAMENTO E SISTEMAZIONE IDRAULICA RIO TRASTA
RELAZIONE DI CALCOLO OPERE PROVVISORIALI

44 J=31,33 SEC=PIEDRIT NSEG=4 ANG=180
45 J=33,34 SEC=PIEDRIT NSEG=4 ANG=180
46 J=34,28 SEC=PIEDRIT NSEG=2 ANG=180 JOFF=.225 RIGID=0

LOAD

NAME=CDC1 SW=1

NAME=CDC2

TYPE=DISTRIBUTED SPAN

ADD=27 RD=0,1 UZ=-114.4,-114.4

ADD=28 RD=0,1 UZ=-114.4,-114.4

ADD=26 RD=0,1 UZ=-114.4,-114.4

NAME=CDC3

TYPE=DISTRIBUTED SPAN

ADD=27 RD=0,1 UZ=-42,-42

ADD=28 RD=0,1 UZ=-42,-42

ADD=26 RD=0,1 UZ=-42,-42

NAME=CDC4

TYPE=DISTRIBUTED SPAN

ADD=1 RD=0,1 UZ=33.4,33.4

ADD=19 RD=0,1 UZ=33.4,33.4

ADD=2 RD=0,1 UZ=33.4,33.4

ADD=3 RD=0,.1475 UZ=33.4,33.4

ADD=3 RD=.1475,1 UZ=33.4,33.4

ADD=4 RD=0,.18875 UZ=33.4,33.4

ADD=4 RD=.18875,1 UZ=33.4,33.4

ADD=5 RD=0,.23 UZ=33.4,33.4

ADD=5 RD=.23,1 UZ=33.4,33.4

ADD=6 RD=0,.27125 UZ=33.4,33.4

ADD=6 RD=.27125,1 UZ=33.4,33.4

ADD=7 RD=0,.3125 UZ=33.4,33.4

ADD=7 RD=.3125,1 UZ=33.4,33.4

ADD=8 RD=0,.35375 UZ=33.4,33.4

ADD=8 RD=.35375,1 UZ=33.4,33.4

ADD=9 RD=0,.395 UZ=33.4,33.4

ADD=9 RD=.395,1 UZ=33.4,33.4

ADD=10 RD=0,.43625 UZ=33.4,33.4

ADD=10 RD=.43625,1 UZ=33.4,33.4

ADD=11 RD=0,.4775 UZ=33.4,33.4

ADD=11 RD=.4775,1 UZ=33.4,33.4

ADD=12 RD=0,.51875 UZ=33.4,33.4

ADD=12 RD=.51875,1 UZ=33.4,33.4

ADD=13 RD=0,1 UZ=33.4,33.4

ADD=14 RD=0,1 UZ=33.4,33.4

ADD=15 RD=0,1 UZ=33.4,33.4

ADD=16 RD=0,1 UZ=33.4,33.4

ADD=17 RD=0,1 UZ=33.4,33.4

ADD=18 RD=0,1 UZ=33.4,33.4

ADD=37 RD=0,.6735751 U2=111.79,107.5296

ADD=37 RD=.6735751,1 U2=107.5296,105.4649

ADD=43 RD=0,1 U2=111.79,107.5296

ADD=44 RD=0,1 U2=107.5296,79.41072

ADD=45 RD=0,1 U2=79.41072,56.40439

ADD=46 RD=0,1 U2=56.40439,52.57

ADD=42 RD=0,1 U2=56.4,52.57

ADD=39 RD=0,1 U2=79.41,56.4

ADD=38 RD=0,1 U2=107.53,79.41

NAME=CDC5

TYPE=DISTRIBUTED SPAN

ADD=1 RD=0,1 UZ=33.4,33.4

ADD=19 RD=0,1 UZ=33.4,33.4

LINEA AV/AC MILANO – GENOVA
ATTRAVERSAMENTO E SISTEMAZIONE IDRAULICA RIO TRASTA
RELAZIONE DI CALCOLO OPERE PROVVISORIALI

ADD=2 RD=0,1 UZ=33.4,33.4
ADD=3 RD=0,.1475 UZ=33.4,33.4
ADD=3 RD=.1475,1 UZ=33.4,33.4
ADD=4 RD=0,.18875 UZ=33.4,33.4
ADD=4 RD=.18875,1 UZ=33.4,33.4
ADD=5 RD=0,.23 UZ=33.4,33.4
ADD=5 RD=.23,1 UZ=33.4,33.4
ADD=6 RD=0,.27125 UZ=33.4,33.4
ADD=6 RD=.27125,1 UZ=33.4,33.4
ADD=7 RD=0,.3125 UZ=33.4,33.4
ADD=7 RD=.3125,1 UZ=33.4,33.4
ADD=8 RD=0,.35375 UZ=33.4,33.4
ADD=8 RD=.35375,1 UZ=33.4,33.4
ADD=9 RD=0,.395 UZ=33.4,33.4
ADD=9 RD=.395,1 UZ=33.4,33.4
ADD=10 RD=0,.43625 UZ=33.4,33.4
ADD=10 RD=.43625,1 UZ=33.4,33.4
ADD=11 RD=0,.4775 UZ=33.4,33.4
ADD=11 RD=.4775,1 UZ=33.4,33.4
ADD=12 RD=0,.51875 UZ=33.4,33.4
ADD=12 RD=.51875,1 UZ=33.4,33.4
ADD=13 RD=0,1 UZ=33.4,33.4
ADD=14 RD=0,1 UZ=33.4,33.4
ADD=15 RD=0,1 UZ=33.4,33.4
ADD=16 RD=0,1 UZ=33.4,33.4
ADD=17 RD=0,1 UZ=33.4,33.4
ADD=18 RD=0,1 UZ=33.4,33.4
ADD=37 RD=0,.6735751 U2=111.79,107.5296
ADD=37 RD=.6735751,1 U2=107.5296,105.4649
ADD=43 RD=0,1 U2=83.84,80.64503
ADD=44 RD=0,1 U2=80.64503,59.55827
ADD=45 RD=0,1 U2=59.55827,42.30547
ADD=46 RD=0,1 U2=42.30547,39.43
ADD=38 RD=0,1 U2=107.53,79.41
ADD=39 RD=0,1 U2=79.41,56.4
ADD=42 RD=0,1 U2=56.4,52.57

NAME=CDC6

TYPE=DISTRIBUTED SPAN

ADD=2 RD=0,1 U2=-33,-33
ADD=3 RD=0,1 U2=-33,-33
ADD=4 RD=0,1 U2=-33,-33
ADD=5 RD=0,1 U2=-33,-33
ADD=6 RD=0,1 U2=-33,-33
ADD=7 RD=0,1 U2=-33,-33
ADD=8 RD=0,1 U2=-33,-33
ADD=9 RD=0,1 U2=-33,-33
ADD=10 RD=0,1 U2=-33,-33
ADD=11 RD=0,1 U2=-33,-33
ADD=12 RD=0,1 U2=-33,-33
ADD=13 RD=0,1 U2=-33,-33
ADD=14 RD=0,1 U2=-33,-33
ADD=15 RD=0,1 U2=-33,-33
ADD=16 RD=0,1 U2=-33,-33
ADD=17 RD=0,1 U2=-33,-33
ADD=18 RD=0,1 U2=-33,-33
ADD=44 RD=0,1 U2=-33,0
ADD=38 RD=0,1 U2=-33,0

NAME=CDC7

TYPE=DISTRIBUTED SPAN

ADD=37 RD=0,1 U2=18,18

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ATTRAVERSAMENTO E SISTEMAZIONE IDRAULICA RIO TRASTA
RELAZIONE DI CALCOLO OPERE PROVVISORIALI

ADD=38 RD=0,1 U2=18,18
ADD=39 RD=0,1 U2=18,18
ADD=42 RD=0,1 U2=18,18

NAME=CDC8

TYPE=DISTRIBUTED SPAN

ADD=43 RD=0,1 U2=18,18
ADD=46 RD=0,1 U2=18,18
ADD=44 RD=0,1 U2=18,18
ADD=45 RD=0,1 U2=18,18

NAME=CDC9

NAME=CDC10

TYPE=DISTRIBUTED SPAN

ADD=27 RD=0,1 U1=6.54,6.54
ADD=28 RD=0,1 U1=6.54,6.54
ADD=26 RD=0,1 U1=6.54,6.54

NAME=CDC11

TYPE=GRAVITY ELEM=FRAME

ADD=1 UX=.0625
ADD=2 UX=.0625
ADD=3 UX=.0625
ADD=4 UX=.0625
ADD=5 UX=.0625
ADD=6 UX=.0625
ADD=7 UX=.0625
ADD=8 UX=.0625
ADD=9 UX=.0625
ADD=10 UX=.0625
ADD=11 UX=.0625
ADD=12 UX=.0625
ADD=13 UX=.0625
ADD=14 UX=.0625
ADD=15 UX=.0625
ADD=16 UX=.0625
ADD=17 UX=.0625
ADD=18 UX=.0625
ADD=19 UX=.0625
ADD=26 UX=.0625
ADD=27 UX=.0625
ADD=28 UX=.0625
ADD=37 UX=.0625
ADD=38 UX=.0625
ADD=39 UX=.0625
ADD=42 UX=.0625
ADD=43 UX=.0625
ADD=44 UX=.0625
ADD=45 UX=.0625
ADD=46 UX=.0625

TYPE=DISTRIBUTED SPAN

ADD=27 RD=0,1 U2=-15.22,-15.22
ADD=28 RD=0,1 U2=-15.22,-15.22
ADD=26 RD=0,1 U2=-15.22,-15.22
ADD=27 RD=0,1 U2=-3.575,-3.575
ADD=28 RD=0,1 U2=-3.575,-3.575
ADD=26 RD=0,1 U2=-3.575,-3.575
ADD=37 RD=0,1 U2=14.37,14.04923
ADD=42 RD=0,1 U2=10.49093,10.2
ADD=43 RD=0,1 U2=7.87,7.57
ADD=44 RD=0,1 U2=7.57,5.59
ADD=45 RD=0,1 U2=5.59,3.97
ADD=46 RD=0,1 U2=3.97,3.7

LINEA AV/AC MILANO – GENOVA
ATTRAVERSAMENTO E SISTEMAZIONE IDRAULICA RIO TRASTA
RELAZIONE DI CALCOLO OPERE PROVVISORIALI

ADD=38 RD=0,1 U2=14.07,12.09
ADD=39 RD=0,1 U2=12.09,10.47
ADD=27 RD=0,1 U1=7.15,7.15
ADD=28 RD=0,1 U1=7.15,7.15
ADD=26 RD=0,1 U1=7.15,7.15

COMBO

NAME=SLU1A

LOAD=CDC1 SF=1.4
LOAD=CDC2 SF=1.4
LOAD=CDC3 SF=1.5
LOAD=CDC4 SF=1.4
LOAD=CDC7 SF=1.5
LOAD=CDC8 SF=1.5
LOAD=CDC9 SF=1.2
LOAD=CDC10 SF=.75

NAME=SLU2A

LOAD=CDC1 SF=1.4
LOAD=CDC2 SF=1.4
LOAD=CDC3 SF=1.5
LOAD=CDC4 SF=1.4
LOAD=CDC6 SF=1.4
LOAD=CDC8 SF=1.5
LOAD=CDC10 SF=.75

NAME=SLU3A

LOAD=CDC1 SF=1.4
LOAD=CDC2 SF=1.4
LOAD=CDC3 SF=1.5
LOAD=CDC4 SF=1.4
LOAD=CDC8 SF=1.2
LOAD=CDC9 SF=1.2
LOAD=CDC10 SF=.75

NAME=SLU4A

LOAD=CDC1 SF=1.4
LOAD=CDC2 SF=1.4
LOAD=CDC3 SF=1.2
LOAD=CDC4 SF=1.4
LOAD=CDC7 SF=1.2
LOAD=CDC8 SF=1.2
LOAD=CDC9 SF=1.2
LOAD=CDC10 SF=1.5

NAME=SLU5A

LOAD=CDC1 SF=1.4
LOAD=CDC2 SF=1.4
LOAD=CDC3 SF=.75
LOAD=CDC4 SF=1.4
LOAD=CDC8 SF=.75
LOAD=CDC9 SF=1.2
LOAD=CDC10 SF=.75

NAME=RA1A

LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC3 SF=1
LOAD=CDC4 SF=1
LOAD=CDC8 SF=1
LOAD=CDC9 SF=.8

NAME=RA2A

LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC3 SF=1

LINEA AV/AC MILANO – GENOVA
ATTRAVERSAMENTO E SISTEMAZIONE IDRAULICA RIO TRASTA
RELAZIONE DI CALCOLO OPERE PROVVISORIALI

LOAD=CDC4 SF=1
LOAD=CDC7 SF=1
LOAD=CDC8 SF=1
LOAD=CDC9 SF=.8
NAME=FR1A
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC3 SF=.8
LOAD=CDC4 SF=1
LOAD=CDC7 SF=.8
LOAD=CDC8 SF=.8
LOAD=CDC10 SF=.8
NAME=FR2A
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC3 SF=.8
LOAD=CDC4 SF=1
LOAD=CDC8 SF=.8
LOAD=CDC10 SF=.8
NAME=QPA
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC4 SF=1
NAME=SISMICAL
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC4 SF=1
LOAD=CDC11 SF=1
NAME=SLU1B
LOAD=CDC1 SF=1.4
LOAD=CDC2 SF=1.4
LOAD=CDC3 SF=1.5
LOAD=CDC5 SF=1.4
LOAD=CDC7 SF=1.5
LOAD=CDC8 SF=1.5
LOAD=CDC9 SF=1.2
LOAD=CDC10 SF=.75
NAME=SLU2B
LOAD=CDC1 SF=1.4
LOAD=CDC2 SF=1.4
LOAD=CDC3 SF=1.5
LOAD=CDC5 SF=1.4
LOAD=CDC6 SF=1.4
LOAD=CDC8 SF=1.5
LOAD=CDC10 SF=.75
NAME=SLU3B
LOAD=CDC1 SF=1.4
LOAD=CDC2 SF=1.4
LOAD=CDC3 SF=1.5
LOAD=CDC5 SF=1.4
LOAD=CDC8 SF=1.2
LOAD=CDC9 SF=1.2
LOAD=CDC10 SF=.75
NAME=SLU4B
LOAD=CDC1 SF=1.4
LOAD=CDC2 SF=1.4
LOAD=CDC3 SF=1.2
LOAD=CDC5 SF=1.4
LOAD=CDC7 SF=1.2
LOAD=CDC8 SF=1.2

LINEA AV/AC MILANO – GENOVA
ATTRAVERSAMENTO E SISTEMAZIONE IDRAULICA RIO TRASTA
RELAZIONE DI CALCOLO OPERE PROVVISORIALI

LOAD=CDC9 SF=1.2
LOAD=CDC10 SF=1.5
NAME=SLU5B
LOAD=CDC1 SF=1.4
LOAD=CDC2 SF=1.4
LOAD=CDC3 SF=.75
LOAD=CDC5 SF=1.4
LOAD=CDC8 SF=.75
LOAD=CDC9 SF=1.2
LOAD=CDC10 SF=.75
NAME=RA1B
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC3 SF=1
LOAD=CDC5 SF=1
LOAD=CDC8 SF=1
LOAD=CDC9 SF=.8
NAME=RA2B
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC3 SF=1
LOAD=CDC5 SF=1
LOAD=CDC7 SF=1
LOAD=CDC8 SF=1
LOAD=CDC9 SF=.8
NAME=FR1B
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC3 SF=.8
LOAD=CDC5 SF=1
LOAD=CDC7 SF=.8
LOAD=CDC8 SF=.8
LOAD=CDC10 SF=.8
NAME=FR2B
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC3 SF=.8
LOAD=CDC5 SF=1
LOAD=CDC8 SF=.8
LOAD=CDC10 SF=.8
NAME=QPB
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC5 SF=1
NAME=SISMICA2
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC5 SF=1
LOAD=CDC11 SF=1
NAME=ENVSLU TYPE=ENVE
COMB=SLU1A SF=1
COMB=SLU2A SF=1
COMB=SLU3A SF=1
COMB=SLU4A SF=1
COMB=SLU5A SF=1
COMB=SISMICA1 SF=1
COMB=SLU1B SF=1
COMB=SLU2B SF=1
COMB=SLU3B SF=1
COMB=SLU4B SF=1

LINEA AV/AC MILANO – GENOVA
ATTRAVERSAMENTO E SISTEMAZIONE IDRAULICA RIO TRASTA
RELAZIONE DI CALCOLO OPERE PROVVISORIALI

```
COMB=SLU5B SF=1
COMB=SISMICA2 SF=1
NAME=INVSLE TYPE=ENVE
COMB=RA1A SF=1
COMB=RA2A SF=1
COMB=FR1A SF=1
COMB=FR2A SF=1
COMB=QPA SF=1
COMB=RA1B SF=1
COMB=RA2B SF=1
COMB=FR1B SF=1
COMB=FR2B SF=1
COMB=QPB SF=1
NAME=INVRA TYPE=ENVE
COMB=RA1A SF=1
COMB=RA2A SF=1
COMB=RA1B SF=1
COMB=RA2B SF=1
NAME=INVFR TYPE=ENVE
COMB=FR1A SF=1
COMB=FR2A SF=1
COMB=FR1B SF=1
COMB=FR2B SF=1
NAME=INVQP TYPE=ENVE
COMB=QPA SF=1
COMB=QPB SF=1

OUTPUT
; No Output Requested

END

; The following data is used for graphics, design and pushover analysis.
; If changes are made to the analysis data above, then the following data
; should be checked for consistency.
SAP2000 V7.00 SUPPLEMENTAL DATA
GRID GLOBAL Y "1" 0
MATERIAL STEEL FY 248211.3
MATERIAL CONC FYREBAR 413685 FYSHEAR 275790 FC 27579 FCSHEAR 27579
MATERIAL RCK35 FYREBAR 413685 FYSHEAR 275790 FC 27579 FCSHEAR 27579
CONCRETESECTION FSEC1 COLUMN COVER .05 REBAR RR-3-3
CONCRETESECTION SOLETTA COLUMN COVER .04572 REBAR RR-3-3
CONCRETESECTION PIEDRIT COLUMN COVER .04 REBAR RR-3-3
CONCRETESECTION FONDAZ COLUMN COVER .04572 REBAR RR-3-3
STATICLOAD CDC1 TYPE DEAD
STATICLOAD CDC2 TYPE DEAD
STATICLOAD CDC3 TYPE DEAD
STATICLOAD CDC4 TYPE DEAD
STATICLOAD CDC5 TYPE DEAD
STATICLOAD CDC6 TYPE DEAD
STATICLOAD CDC7 TYPE DEAD
STATICLOAD CDC8 TYPE DEAD
STATICLOAD CDC9 TYPE DEAD
STATICLOAD CDC10 TYPE DEAD
STATICLOAD CDC11 TYPE DEAD
END SUPPLEMENTAL DATA
```

LINEA AV/AC MILANO – GENOVA
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1.1.2. OutPut

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L O A D C O M B I N A T I O N M U L T I P L I E R S

COMBO	TYPE	CASE	FACTOR	TYPE	TITLE
ENVSLU	ENVE				ENVSLU
		SLU1A	1.0000	COMBO	
		SLU2A	1.0000	COMBO	
		SLU3A	1.0000	COMBO	
		SLU4A	1.0000	COMBO	
		SLU5A	1.0000	COMBO	
		SISMICA1	1.0000	COMBO	
		SLU1B	1.0000	COMBO	
		SLU2B	1.0000	COMBO	
		SLU3B	1.0000	COMBO	
		SLU4B	1.0000	COMBO	
		SLU5B	1.0000	COMBO	
		SISMICA2	1.0000	COMBO	
INVSLE	ENVE				INVSLE
		RA1A	1.0000	COMBO	
		RA2A	1.0000	COMBO	
		FR1A	1.0000	COMBO	
		FR2A	1.0000	COMBO	
		QPA	1.0000	COMBO	
		RA1B	1.0000	COMBO	
		RA2B	1.0000	COMBO	
		FR1B	1.0000	COMBO	
		FR2B	1.0000	COMBO	
		QPB	1.0000	COMBO	
INVRA	ENVE				INVRA
		RA1A	1.0000	COMBO	
		RA2A	1.0000	COMBO	
		RA1B	1.0000	COMBO	
		RA2B	1.0000	COMBO	
INVFR	ENVE				INVFR
		FR1A	1.0000	COMBO	
		FR2A	1.0000	COMBO	
		FR1B	1.0000	COMBO	
		FR2B	1.0000	COMBO	
INVQP	ENVE				INVQP
		QPA	1.0000	COMBO	
		QPB	1.0000	COMBO	

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F R A M E E L E M E N T F O R C E S

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FRAME	LOAD	LOC	P	V2	V3	T	M2	M3
1	ENVSLU MAX							
	2.3E-01		-361.95	1201.51	0.00	0.00	0.00	1198.17
	2.8E-01		-361.95	1200.85	0.00	0.00	0.00	1134.44
	3.4E-01		-361.95	1200.19	0.00	0.00	0.00	1070.74
	3.9E-01		-361.95	1199.52	0.00	0.00	0.00	1007.09
	4.5E-01		-361.95	1198.86	0.00	0.00	0.00	943.47
1	ENVSLU MIN							
	2.3E-01		-594.36	736.83	0.00	0.00	0.00	706.33
	2.8E-01		-594.36	736.36	0.00	0.00	0.00	639.72
	3.4E-01		-594.36	735.89	0.00	0.00	0.00	573.15
	3.9E-01		-594.36	735.42	0.00	0.00	0.00	506.62
	4.5E-01		-594.36	734.94	0.00	0.00	0.00	440.12
1	INVSLE MAX							
	2.3E-01		-293.04	852.42	0.00	0.00	0.00	821.00
	2.8E-01		-293.04	851.94	0.00	0.00	0.00	775.86
	3.4E-01		-293.04	851.47	0.00	0.00	0.00	730.74
	3.9E-01		-293.04	851.00	0.00	0.00	0.00	685.66
	4.5E-01		-293.04	850.53	0.00	0.00	0.00	640.60
1	INVSLE MIN							
	2.3E-01		-414.20	677.92	0.00	0.00	0.00	486.66
	2.8E-01		-414.20	677.45	0.00	0.00	0.00	438.73
	3.4E-01		-414.20	676.97	0.00	0.00	0.00	390.82
	3.9E-01		-414.20	676.50	0.00	0.00	0.00	342.94
	4.5E-01		-414.20	676.03	0.00	0.00	0.00	295.08
1	INVRA MAX							
	2.3E-01		-293.04	852.42	0.00	0.00	0.00	760.67
	2.8E-01		-293.04	851.94	0.00	0.00	0.00	713.22
	3.4E-01		-293.04	851.47	0.00	0.00	0.00	665.79
	3.9E-01		-293.04	851.00	0.00	0.00	0.00	618.39
	4.5E-01		-293.04	850.53	0.00	0.00	0.00	571.02
1	INVRA MIN							
	2.3E-01		-404.57	843.81	0.00	0.00	0.00	486.66
	2.8E-01		-404.57	843.34	0.00	0.00	0.00	438.73
	3.4E-01		-404.57	842.87	0.00	0.00	0.00	390.82
	3.9E-01		-404.57	842.39	0.00	0.00	0.00	342.94
	4.5E-01		-404.57	841.92	0.00	0.00	0.00	295.08
1	INVFR MAX							
	2.3E-01		-320.31	810.45	0.00	0.00	0.00	821.00
	2.8E-01		-320.31	809.97	0.00	0.00	0.00	775.86
	3.4E-01		-320.31	809.50	0.00	0.00	0.00	730.74
	3.9E-01		-320.31	809.03	0.00	0.00	0.00	685.66
	4.5E-01		-320.31	808.56	0.00	0.00	0.00	640.60
1	INVFR MIN							
	2.3E-01		-414.20	802.72	0.00	0.00	0.00	578.34
	2.8E-01		-414.20	802.25	0.00	0.00	0.00	532.77
	3.4E-01		-414.20	801.78	0.00	0.00	0.00	487.22
	3.9E-01		-414.20	801.30	0.00	0.00	0.00	441.70
	4.5E-01		-414.20	800.83	0.00	0.00	0.00	396.21
1	INVQP MAX							
	2.3E-01		-324.65	682.12	0.00	0.00	0.00	645.70
	2.8E-01		-324.65	681.65	0.00	0.00	0.00	607.58
	3.4E-01		-324.65	681.18	0.00	0.00	0.00	569.49
	3.9E-01		-324.65	680.70	0.00	0.00	0.00	531.42
	4.5E-01		-324.65	680.23	0.00	0.00	0.00	493.38
1	INVQP MIN							
	2.3E-01		-347.95	677.92	0.00	0.00	0.00	528.48
	2.8E-01		-347.95	677.45	0.00	0.00	0.00	490.12
	3.4E-01		-347.95	676.97	0.00	0.00	0.00	451.79

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	3.9E-01	-347.95	676.50	0.00	0.00	0.00	413.49
	4.5E-01	-347.95	676.03	0.00	0.00	0.00	375.21
2	ENVSLU MAX						
	0.00	-368.87	1070.75	0.00	0.00	0.00	943.47
	1.2E-01	-368.87	1069.36	0.00	0.00	0.00	822.60
	2.4E-01	-368.87	1067.98	0.00	0.00	0.00	701.89
	3.5E-01	-368.87	1066.60	0.00	0.00	0.00	581.34
	4.7E-01	-368.87	1065.21	0.00	0.00	0.00	460.96
2	ENVSLU MIN						
	0.00	-579.64	671.28	0.00	0.00	0.00	440.12
	1.2E-01	-579.64	670.29	0.00	0.00	0.00	320.90
	2.4E-01	-579.64	669.30	0.00	0.00	0.00	201.21
	3.5E-01	-579.64	668.31	0.00	0.00	0.00	81.04
	4.7E-01	-579.64	667.33	0.00	0.00	0.00	-39.60
2	INVSLE MAX						
	0.00	-299.06	753.74	0.00	0.00	0.00	640.60
	1.2E-01	-299.06	752.75	0.00	0.00	0.00	555.28
	2.4E-01	-299.06	751.76	0.00	0.00	0.00	470.08
	3.5E-01	-299.06	750.77	0.00	0.00	0.00	384.99
	4.7E-01	-299.06	749.78	0.00	0.00	0.00	300.03
2	INVSLE MIN						
	0.00	-404.48	600.64	0.00	0.00	0.00	295.08
	1.2E-01	-404.48	599.65	0.00	0.00	0.00	208.29
	2.4E-01	-404.48	598.66	0.00	0.00	0.00	121.61
	3.5E-01	-404.48	597.67	0.00	0.00	0.00	35.05
	4.7E-01	-404.48	596.68	0.00	0.00	0.00	-51.39
2	INVRA MAX						
	0.00	-299.06	753.74	0.00	0.00	0.00	571.02
	1.2E-01	-299.06	752.75	0.00	0.00	0.00	482.41
	2.4E-01	-299.06	751.76	0.00	0.00	0.00	393.91
	3.5E-01	-299.06	750.77	0.00	0.00	0.00	305.52
	4.7E-01	-299.06	749.78	0.00	0.00	0.00	217.25
2	INVRA MIN						
	0.00	-397.18	738.23	0.00	0.00	0.00	295.08
	1.2E-01	-397.18	737.24	0.00	0.00	0.00	208.29
	2.4E-01	-397.18	736.25	0.00	0.00	0.00	121.61
	3.5E-01	-397.18	735.26	0.00	0.00	0.00	35.05
	4.7E-01	-397.18	734.28	0.00	0.00	0.00	-51.39
2	INVFR MAX						
	0.00	-322.75	725.69	0.00	0.00	0.00	640.60
	1.2E-01	-322.75	724.70	0.00	0.00	0.00	555.28
	2.4E-01	-322.75	723.71	0.00	0.00	0.00	470.08
	3.5E-01	-322.75	722.72	0.00	0.00	0.00	384.99
	4.7E-01	-322.75	721.74	0.00	0.00	0.00	300.03
2	INVFR MIN						
	0.00	-404.48	711.75	0.00	0.00	0.00	396.21
	1.2E-01	-404.48	710.76	0.00	0.00	0.00	312.53
	2.4E-01	-404.48	709.77	0.00	0.00	0.00	228.97
	3.5E-01	-404.48	708.78	0.00	0.00	0.00	145.53
	4.7E-01	-404.48	707.79	0.00	0.00	0.00	62.20
2	INVQP MAX						
	0.00	-324.43	608.31	0.00	0.00	0.00	493.38
	1.2E-01	-324.43	607.32	0.00	0.00	0.00	421.88
	2.4E-01	-324.43	606.34	0.00	0.00	0.00	350.49
	3.5E-01	-324.43	605.35	0.00	0.00	0.00	279.21
	4.7E-01	-324.43	604.36	0.00	0.00	0.00	208.05
2	INVQP MIN						
	0.00	-340.61	600.64	0.00	0.00	0.00	375.21
	1.2E-01	-340.61	599.65	0.00	0.00	0.00	304.61

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	2.4E-01	-340.61	598.66	0.00	0.00	0.00	234.12
	3.5E-01	-340.61	597.67	0.00	0.00	0.00	163.75
	4.7E-01	-340.61	596.68	0.00	0.00	0.00	93.49
3	ENVSLU MAX						
	0.00	-375.82	948.85	0.00	0.00	0.00	460.96
	1.2E-01	-375.82	947.46	0.00	0.00	0.00	352.88
	2.4E-01	-375.82	946.08	0.00	0.00	0.00	277.60
	3.5E-01	-375.82	944.70	0.00	0.00	0.00	205.28
	4.7E-01	-375.82	943.31	0.00	0.00	0.00	133.08
3	ENVSLU MIN						
	0.00	-566.68	599.17	0.00	0.00	0.00	-39.60
	1.2E-01	-566.68	598.18	0.00	0.00	0.00	-141.30
	2.4E-01	-566.68	597.19	0.00	0.00	0.00	-243.48
	3.5E-01	-566.68	596.21	0.00	0.00	0.00	-346.14
	4.7E-01	-566.68	595.22	0.00	0.00	0.00	-449.27
3	INVSLE MAX						
	0.00	-305.11	662.89	0.00	0.00	0.00	300.03
	1.2E-01	-305.11	661.90	0.00	0.00	0.00	224.02
	2.4E-01	-305.11	660.91	0.00	0.00	0.00	148.12
	3.5E-01	-305.11	659.93	0.00	0.00	0.00	72.35
	4.7E-01	-305.11	658.94	0.00	0.00	0.00	-3.31
3	INVSLE MIN						
	0.00	-394.80	519.33	0.00	0.00	0.00	-51.39
	1.2E-01	-394.80	518.34	0.00	0.00	0.00	-125.04
	2.4E-01	-394.80	517.35	0.00	0.00	0.00	-198.58
	3.5E-01	-394.80	516.36	0.00	0.00	0.00	-272.00
	4.7E-01	-394.80	515.37	0.00	0.00	0.00	-345.30
3	INVRA MAX						
	0.00	-305.11	662.89	0.00	0.00	0.00	217.25
	1.2E-01	-305.11	661.90	0.00	0.00	0.00	139.32
	2.4E-01	-305.11	660.91	0.00	0.00	0.00	61.51
	3.5E-01	-305.11	659.93	0.00	0.00	0.00	-16.18
	4.7E-01	-305.11	658.94	0.00	0.00	0.00	-93.76
3	INVRA MIN						
	0.00	-389.83	626.53	0.00	0.00	0.00	-51.39
	1.2E-01	-389.83	625.54	0.00	0.00	0.00	-125.04
	2.4E-01	-389.83	624.55	0.00	0.00	0.00	-198.58
	3.5E-01	-389.83	623.56	0.00	0.00	0.00	-272.00
	4.7E-01	-389.83	622.57	0.00	0.00	0.00	-345.30
3	INVFR MAX						
	0.00	-325.22	646.57	0.00	0.00	0.00	300.03
	1.2E-01	-325.22	645.58	0.00	0.00	0.00	224.02
	2.4E-01	-325.22	644.60	0.00	0.00	0.00	148.12
	3.5E-01	-325.22	643.61	0.00	0.00	0.00	72.35
	4.7E-01	-325.22	642.62	0.00	0.00	0.00	-3.31
3	INVFR MIN						
	0.00	-394.80	613.88	0.00	0.00	0.00	62.20
	1.2E-01	-394.80	612.89	0.00	0.00	0.00	-9.97
	2.4E-01	-394.80	611.90	0.00	0.00	0.00	-82.01
	3.5E-01	-394.80	610.92	0.00	0.00	0.00	-153.94
	4.7E-01	-394.80	609.93	0.00	0.00	0.00	-225.76
3	INVQP MAX						
	0.00	-324.23	537.33	0.00	0.00	0.00	208.05
	1.2E-01	-324.23	536.35	0.00	0.00	0.00	144.89
	2.4E-01	-324.23	535.36	0.00	0.00	0.00	81.85
	3.5E-01	-324.23	534.37	0.00	0.00	0.00	18.93
	4.7E-01	-324.23	533.38	0.00	0.00	0.00	-43.88
3	INVQP MIN						
	0.00	-333.29	519.33	0.00	0.00	0.00	93.49

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	1.2E-01	-333.29	518.34	0.00	0.00	0.00	32.45
	2.4E-01	-333.29	517.35	0.00	0.00	0.00	-28.47
	3.5E-01	-333.29	516.36	0.00	0.00	0.00	-89.28
	4.7E-01	-333.29	515.37	0.00	0.00	0.00	-149.97
4	ENVSLU MAX						
	0.00	-382.81	827.87	0.00	0.00	0.00	133.08
	1.2E-01	-382.81	826.49	0.00	0.00	0.00	67.99
	2.4E-01	-382.81	825.10	0.00	0.00	0.00	3.01
	3.5E-01	-382.81	823.72	0.00	0.00	0.00	-61.84
	4.7E-01	-382.81	822.34	0.00	0.00	0.00	-126.59
4	ENVSLU MIN						
	0.00	-554.24	526.92	0.00	0.00	0.00	-449.27
	1.2E-01	-554.24	525.93	0.00	0.00	0.00	-534.10
	2.4E-01	-554.24	524.94	0.00	0.00	0.00	-619.41
	3.5E-01	-554.24	523.95	0.00	0.00	0.00	-705.20
	4.7E-01	-554.24	522.96	0.00	0.00	0.00	-791.46
4	INVSLE MAX						
	0.00	-311.18	573.43	0.00	0.00	0.00	-3.31
	1.2E-01	-311.18	572.44	0.00	0.00	0.00	-70.03
	2.4E-01	-311.18	571.45	0.00	0.00	0.00	-136.63
	3.5E-01	-311.18	570.46	0.00	0.00	0.00	-203.11
	4.7E-01	-311.18	569.47	0.00	0.00	0.00	-262.78
4	INVSLE MIN						
	0.00	-385.16	440.29	0.00	0.00	0.00	-345.30
	1.2E-01	-385.16	439.30	0.00	0.00	0.00	-406.34
	2.4E-01	-385.16	438.31	0.00	0.00	0.00	-467.26
	3.5E-01	-385.16	437.32	0.00	0.00	0.00	-528.06
	4.7E-01	-385.16	436.34	0.00	0.00	0.00	-588.75
4	INVRA MAX						
	0.00	-311.18	573.43	0.00	0.00	0.00	-93.76
	1.2E-01	-311.18	572.44	0.00	0.00	0.00	-161.17
	2.4E-01	-311.18	571.45	0.00	0.00	0.00	-228.46
	3.5E-01	-311.18	570.46	0.00	0.00	0.00	-295.63
	4.7E-01	-311.18	569.47	0.00	0.00	0.00	-362.68
4	INVRA MIN						
	0.00	-382.51	519.32	0.00	0.00	0.00	-345.30
	1.2E-01	-382.51	518.33	0.00	0.00	0.00	-406.34
	2.4E-01	-382.51	517.34	0.00	0.00	0.00	-467.26
	3.5E-01	-382.51	516.35	0.00	0.00	0.00	-528.06
	4.7E-01	-382.51	515.36	0.00	0.00	0.00	-588.75
4	INVFR MAX						
	0.00	-327.71	567.58	0.00	0.00	0.00	-3.31
	1.2E-01	-327.71	566.59	0.00	0.00	0.00	-70.03
	2.4E-01	-327.71	565.60	0.00	0.00	0.00	-136.63
	3.5E-01	-327.71	564.61	0.00	0.00	0.00	-203.11
	4.7E-01	-327.71	563.62	0.00	0.00	0.00	-269.48
4	INVFR MIN						
	0.00	-385.16	518.92	0.00	0.00	0.00	-225.76
	1.2E-01	-385.16	517.93	0.00	0.00	0.00	-286.75
	2.4E-01	-385.16	516.94	0.00	0.00	0.00	-347.62
	3.5E-01	-385.16	515.96	0.00	0.00	0.00	-408.38
	4.7E-01	-385.16	514.97	0.00	0.00	0.00	-469.03
4	INVQP MAX						
	0.00	-324.06	467.14	0.00	0.00	0.00	-43.88
	1.2E-01	-324.06	466.15	0.00	0.00	0.00	-98.78
	2.4E-01	-324.06	465.16	0.00	0.00	0.00	-153.56
	3.5E-01	-324.06	464.17	0.00	0.00	0.00	-208.23
	4.7E-01	-324.06	463.19	0.00	0.00	0.00	-262.78
4	INVQP MIN						

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	0.00	-326.01	440.29	0.00	0.00	0.00	-149.97
	1.2E-01	-326.01	439.30	0.00	0.00	0.00	-201.71
	2.4E-01	-326.01	438.31	0.00	0.00	0.00	-253.33
	3.5E-01	-326.01	437.32	0.00	0.00	0.00	-304.84
	4.7E-01	-326.01	436.34	0.00	0.00	0.00	-356.23
5	ENVSLU MAX						
	0.00	-382.58	707.76	0.00	0.00	0.00	-126.59
	1.2E-01	-382.58	706.38	0.00	0.00	0.00	-184.03
	2.4E-01	-382.58	704.99	0.00	0.00	0.00	-241.36
	3.5E-01	-382.58	703.61	0.00	0.00	0.00	-298.57
	4.7E-01	-382.58	702.23	0.00	0.00	0.00	-355.67
5	ENVSLU MIN						
	0.00	-549.10	454.52	0.00	0.00	0.00	-791.46
	1.2E-01	-549.10	453.53	0.00	0.00	0.00	-860.02
	2.4E-01	-549.10	452.54	0.00	0.00	0.00	-929.07
	3.5E-01	-549.10	451.55	0.00	0.00	0.00	-998.59
	4.7E-01	-549.10	450.56	0.00	0.00	0.00	-1068.59
5	INVSLE MAX						
	0.00	-312.11	488.68	0.00	0.00	0.00	-262.78
	1.2E-01	-312.11	487.69	0.00	0.00	0.00	-309.51
	2.4E-01	-312.11	486.71	0.00	0.00	0.00	-356.12
	3.5E-01	-312.11	485.72	0.00	0.00	0.00	-402.62
	4.7E-01	-312.11	484.73	0.00	0.00	0.00	-449.00
5	INVSLE MIN						
	0.00	-380.73	363.43	0.00	0.00	0.00	-588.75
	1.2E-01	-380.73	362.44	0.00	0.00	0.00	-637.68
	2.4E-01	-380.73	361.45	0.00	0.00	0.00	-686.50
	3.5E-01	-380.73	360.46	0.00	0.00	0.00	-735.19
	4.7E-01	-380.73	359.47	0.00	0.00	0.00	-783.77
5	INVRA MAX						
	0.00	-312.11	485.28	0.00	0.00	0.00	-362.68
	1.2E-01	-312.11	484.29	0.00	0.00	0.00	-419.72
	2.4E-01	-312.11	483.30	0.00	0.00	0.00	-476.63
	3.5E-01	-312.11	482.31	0.00	0.00	0.00	-533.43
	4.7E-01	-312.11	481.32	0.00	0.00	0.00	-590.12
5	INVRA MIN						
	0.00	-380.40	416.40	0.00	0.00	0.00	-588.75
	1.2E-01	-380.40	415.41	0.00	0.00	0.00	-637.68
	2.4E-01	-380.40	414.42	0.00	0.00	0.00	-686.50
	3.5E-01	-380.40	413.43	0.00	0.00	0.00	-735.19
	4.7E-01	-380.40	412.45	0.00	0.00	0.00	-783.77
5	INVFR MAX						
	0.00	-325.07	488.68	0.00	0.00	0.00	-269.48
	1.2E-01	-325.07	487.69	0.00	0.00	0.00	-326.91
	2.4E-01	-325.07	486.71	0.00	0.00	0.00	-384.23
	3.5E-01	-325.07	485.72	0.00	0.00	0.00	-441.43
	4.7E-01	-325.07	484.73	0.00	0.00	0.00	-498.52
5	INVFR MIN						
	0.00	-380.73	426.73	0.00	0.00	0.00	-469.03
	1.2E-01	-380.73	425.74	0.00	0.00	0.00	-519.17
	2.4E-01	-380.73	424.75	0.00	0.00	0.00	-569.20
	3.5E-01	-380.73	423.76	0.00	0.00	0.00	-619.11
	4.7E-01	-380.73	422.77	0.00	0.00	0.00	-668.91
5	INVQP MAX						
	0.00	-318.75	397.69	0.00	0.00	0.00	-262.78
	1.2E-01	-318.75	396.70	0.00	0.00	0.00	-309.51
	2.4E-01	-318.75	395.71	0.00	0.00	0.00	-356.12
	3.5E-01	-318.75	394.72	0.00	0.00	0.00	-402.62
	4.7E-01	-318.75	393.74	0.00	0.00	0.00	-449.00

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5	INVQP MIN						
	0.00	-323.92	363.43	0.00	0.00	0.00	-356.23
	1.2E-01	-323.92	362.44	0.00	0.00	0.00	-398.93
	2.4E-01	-323.92	361.45	0.00	0.00	0.00	-441.51
	3.5E-01	-323.92	360.46	0.00	0.00	0.00	-483.98
	4.7E-01	-323.92	359.47	0.00	0.00	0.00	-526.33
6	ENVSLU MAX						
	0.00	-370.37	591.23	0.00	0.00	0.00	-355.67
	1.2E-01	-370.55	589.84	0.00	0.00	0.00	-405.27
	2.4E-01	-370.74	588.46	0.00	0.00	0.00	-454.76
	3.5E-01	-370.92	587.08	0.00	0.00	0.00	-504.13
	4.7E-01	-371.10	585.69	0.00	0.00	0.00	-553.39
6	ENVSLU MIN						
	0.00	-546.74	381.83	0.00	0.00	0.00	-1068.59
	1.2E-01	-546.74	380.85	0.00	0.00	0.00	-1121.45
	2.4E-01	-546.74	379.86	0.00	0.00	0.00	-1174.79
	3.5E-01	-546.74	378.87	0.00	0.00	0.00	-1228.60
	4.7E-01	-546.74	377.88	0.00	0.00	0.00	-1282.90
6	INVSLE MAX						
	0.00	-311.13	409.73	0.00	0.00	0.00	-449.00
	1.2E-01	-311.13	408.74	0.00	0.00	0.00	-487.63
	2.4E-01	-311.13	407.75	0.00	0.00	0.00	-526.14
	3.5E-01	-311.13	406.76	0.00	0.00	0.00	-564.54
	4.7E-01	-311.13	405.78	0.00	0.00	0.00	-602.81
6	INVSLE MIN						
	0.00	-380.27	288.53	0.00	0.00	0.00	-783.77
	1.2E-01	-380.27	287.55	0.00	0.00	0.00	-821.06
	2.4E-01	-380.27	286.56	0.00	0.00	0.00	-858.23
	3.5E-01	-380.27	285.57	0.00	0.00	0.00	-895.29
	4.7E-01	-380.27	284.58	0.00	0.00	0.00	-932.23
6	INVRA MAX						
	0.00	-311.13	398.23	0.00	0.00	0.00	-590.12
	1.2E-01	-311.13	397.24	0.00	0.00	0.00	-636.91
	2.4E-01	-311.13	396.25	0.00	0.00	0.00	-683.59
	3.5E-01	-311.13	395.27	0.00	0.00	0.00	-730.15
	4.7E-01	-311.13	394.28	0.00	0.00	0.00	-776.59
6	INVRA MIN						
	0.00	-380.27	317.44	0.00	0.00	0.00	-783.77
	1.2E-01	-380.27	316.45	0.00	0.00	0.00	-821.06
	2.4E-01	-380.27	315.46	0.00	0.00	0.00	-858.23
	3.5E-01	-380.27	314.48	0.00	0.00	0.00	-895.29
	4.7E-01	-380.27	313.49	0.00	0.00	0.00	-932.23
6	INVFR MAX						
	0.00	-320.51	409.73	0.00	0.00	0.00	-498.52
	1.2E-01	-320.51	408.74	0.00	0.00	0.00	-546.66
	2.4E-01	-320.51	407.75	0.00	0.00	0.00	-594.69
	3.5E-01	-320.51	406.76	0.00	0.00	0.00	-642.60
	4.7E-01	-320.51	405.78	0.00	0.00	0.00	-690.40
6	INVFR MIN						
	0.00	-378.28	337.04	0.00	0.00	0.00	-668.91
	1.2E-01	-378.28	336.05	0.00	0.00	0.00	-708.50
	2.4E-01	-378.28	335.06	0.00	0.00	0.00	-747.98
	3.5E-01	-378.28	334.07	0.00	0.00	0.00	-787.34
	4.7E-01	-378.28	333.08	0.00	0.00	0.00	-826.58
6	INVQP MAX						
	0.00	-311.52	328.83	0.00	0.00	0.00	-449.00
	1.2E-01	-311.52	327.84	0.00	0.00	0.00	-487.63
	2.4E-01	-311.52	326.86	0.00	0.00	0.00	-526.14
	3.5E-01	-311.52	325.87	0.00	0.00	0.00	-564.54

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	4.7E-01	-311.52	324.88	0.00	0.00	0.00	-602.81
6	INVQP MIN						
	0.00	-323.82	288.53	0.00	0.00	0.00	-526.33
	1.2E-01	-323.82	287.55	0.00	0.00	0.00	-560.21
	2.4E-01	-323.82	286.56	0.00	0.00	0.00	-593.98
	3.5E-01	-323.82	285.57	0.00	0.00	0.00	-627.64
	4.7E-01	-323.82	284.58	0.00	0.00	0.00	-661.18
7	ENVSLU MAX						
	0.00	-356.17	480.43	0.00	0.00	0.00	-553.39
	1.2E-01	-356.35	479.05	0.00	0.00	0.00	-594.93
	2.4E-01	-356.53	477.67	0.00	0.00	0.00	-636.36
	3.5E-01	-356.72	476.28	0.00	0.00	0.00	-677.68
	4.7E-01	-356.90	474.90	0.00	0.00	0.00	-718.87
7	ENVSLU MIN						
	0.00	-544.42	308.63	0.00	0.00	0.00	-1282.90
	1.2E-01	-544.42	307.65	0.00	0.00	0.00	-1320.54
	2.4E-01	-544.42	306.66	0.00	0.00	0.00	-1358.66
	3.5E-01	-544.42	305.67	0.00	0.00	0.00	-1397.26
	4.7E-01	-544.42	304.68	0.00	0.00	0.00	-1436.33
7	INVSLE MAX						
	0.00	-304.33	330.44	0.00	0.00	0.00	-602.81
	1.2E-01	-304.33	329.45	0.00	0.00	0.00	-633.38
	2.4E-01	-304.33	328.47	0.00	0.00	0.00	-663.83
	3.5E-01	-304.33	327.48	0.00	0.00	0.00	-694.17
	4.7E-01	-304.33	326.49	0.00	0.00	0.00	-724.39
7	INVSLE MIN						
	0.00	-380.17	215.33	0.00	0.00	0.00	-932.23
	1.2E-01	-380.17	214.34	0.00	0.00	0.00	-958.29
	2.4E-01	-380.17	213.35	0.00	0.00	0.00	-984.23
	3.5E-01	-380.17	212.36	0.00	0.00	0.00	-1010.06
	4.7E-01	-380.17	211.37	0.00	0.00	0.00	-1035.78
7	INVRA MAX						
	0.00	-310.17	311.97	0.00	0.00	0.00	-776.59
	1.2E-01	-310.17	310.98	0.00	0.00	0.00	-813.23
	2.4E-01	-310.17	309.99	0.00	0.00	0.00	-849.76
	3.5E-01	-310.17	309.00	0.00	0.00	0.00	-886.17
	4.7E-01	-310.17	308.01	0.00	0.00	0.00	-922.47
7	INVRA MIN						
	0.00	-380.17	222.02	0.00	0.00	0.00	-932.23
	1.2E-01	-380.17	221.03	0.00	0.00	0.00	-958.29
	2.4E-01	-380.17	220.04	0.00	0.00	0.00	-984.23
	3.5E-01	-380.17	219.05	0.00	0.00	0.00	-1010.06
	4.7E-01	-380.17	218.06	0.00	0.00	0.00	-1035.78
7	INVFR MAX						
	0.00	-315.98	330.44	0.00	0.00	0.00	-690.40
	1.2E-01	-315.98	329.45	0.00	0.00	0.00	-729.22
	2.4E-01	-315.98	328.47	0.00	0.00	0.00	-767.92
	3.5E-01	-315.98	327.48	0.00	0.00	0.00	-806.50
	4.7E-01	-315.98	326.49	0.00	0.00	0.00	-844.97
7	INVFR MIN						
	0.00	-375.86	249.48	0.00	0.00	0.00	-826.58
	1.2E-01	-375.86	248.49	0.00	0.00	0.00	-855.88
	2.4E-01	-375.86	247.51	0.00	0.00	0.00	-885.05
	3.5E-01	-375.86	246.52	0.00	0.00	0.00	-914.11
	4.7E-01	-375.86	245.53	0.00	0.00	0.00	-943.06
7	INVQP MAX						
	0.00	-304.33	260.32	0.00	0.00	0.00	-602.81
	1.2E-01	-304.33	259.33	0.00	0.00	0.00	-633.38
	2.4E-01	-304.33	258.34	0.00	0.00	0.00	-663.83

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	3.5E-01	-304.33	257.36	0.00	0.00	0.00	-694.17
	4.7E-01	-304.33	256.37	0.00	0.00	0.00	-724.39
7	INVQP MIN						
	0.00	-323.74	215.33	0.00	0.00	0.00	-661.18
	1.2E-01	-323.74	214.34	0.00	0.00	0.00	-686.45
	2.4E-01	-323.74	213.35	0.00	0.00	0.00	-711.61
	3.5E-01	-323.74	212.36	0.00	0.00	0.00	-736.65
	4.7E-01	-323.74	211.37	0.00	0.00	0.00	-761.58
8	ENVSLU MAX						
	0.00	-341.99	368.20	0.00	0.00	0.00	-718.87
	1.2E-01	-342.18	366.81	0.00	0.00	0.00	-752.10
	2.4E-01	-342.36	365.43	0.00	0.00	0.00	-785.22
	3.5E-01	-342.55	364.04	0.00	0.00	0.00	-818.22
	4.7E-01	-342.73	362.66	0.00	0.00	0.00	-851.10
8	ENVSLU MIN						
	0.00	-542.15	192.05	0.00	0.00	0.00	-1436.33
	1.2E-01	-542.15	196.10	0.00	0.00	0.00	-1459.17
	2.4E-01	-542.15	200.15	0.00	0.00	0.00	-1482.51
	3.5E-01	-542.15	204.21	0.00	0.00	0.00	-1508.40
	4.7E-01	-542.15	208.26	0.00	0.00	0.00	-1534.14
8	INVSLE MAX						
	0.00	-297.16	250.44	0.00	0.00	0.00	-724.39
	1.2E-01	-297.16	249.46	0.00	0.00	0.00	-746.90
	2.4E-01	-297.16	248.47	0.00	0.00	0.00	-769.29
	3.5E-01	-297.16	247.48	0.00	0.00	0.00	-791.57
	4.7E-01	-297.16	246.49	0.00	0.00	0.00	-813.73
8	INVSLE MIN						
	0.00	-380.11	129.62	0.00	0.00	0.00	-1035.78
	1.2E-01	-380.11	128.63	0.00	0.00	0.00	-1050.97
	2.4E-01	-380.11	127.64	0.00	0.00	0.00	-1066.04
	3.5E-01	-380.11	126.65	0.00	0.00	0.00	-1081.00
	4.7E-01	-380.11	125.66	0.00	0.00	0.00	-1095.84
8	INVRA MAX						
	0.00	-309.24	226.06	0.00	0.00	0.00	-922.47
	1.2E-01	-309.24	225.07	0.00	0.00	0.00	-949.00
	2.4E-01	-309.24	224.08	0.00	0.00	0.00	-975.43
	3.5E-01	-309.24	223.09	0.00	0.00	0.00	-1001.73
	4.7E-01	-309.24	222.11	0.00	0.00	0.00	-1027.92
8	INVRA MIN						
	0.00	-380.11	129.62	0.00	0.00	0.00	-1035.78
	1.2E-01	-380.11	128.63	0.00	0.00	0.00	-1050.97
	2.4E-01	-380.11	127.64	0.00	0.00	0.00	-1066.04
	3.5E-01	-380.11	126.65	0.00	0.00	0.00	-1081.00
	4.7E-01	-380.11	125.66	0.00	0.00	0.00	-1095.84
8	INVFR MAX						
	0.00	-311.48	250.44	0.00	0.00	0.00	-844.97
	1.2E-01	-311.48	249.46	0.00	0.00	0.00	-874.38
	2.4E-01	-311.48	248.47	0.00	0.00	0.00	-903.67
	3.5E-01	-311.48	247.48	0.00	0.00	0.00	-932.84
	4.7E-01	-311.48	246.49	0.00	0.00	0.00	-961.90
8	INVFR MIN						
	0.00	-373.47	163.61	0.00	0.00	0.00	-943.06
	1.2E-01	-373.47	162.63	0.00	0.00	0.00	-962.25
	2.4E-01	-373.47	161.64	0.00	0.00	0.00	-981.32
	3.5E-01	-373.47	160.65	0.00	0.00	0.00	-1000.28
	4.7E-01	-373.47	159.66	0.00	0.00	0.00	-1019.12
8	INVQP MAX						
	0.00	-297.16	191.82	0.00	0.00	0.00	-724.39
	1.2E-01	-297.16	190.84	0.00	0.00	0.00	-746.90

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	2.4E-01	-297.16	189.85	0.00	0.00	0.00	-769.29
	3.5E-01	-297.16	188.86	0.00	0.00	0.00	-791.57
	4.7E-01	-297.16	187.87	0.00	0.00	0.00	-813.73
8	INVQP MIN						
	0.00	-323.69	143.44	0.00	0.00	0.00	-761.58
	1.2E-01	-323.69	142.45	0.00	0.00	0.00	-778.39
	2.4E-01	-323.69	141.46	0.00	0.00	0.00	-795.09
	3.5E-01	-323.69	140.47	0.00	0.00	0.00	-811.68
	4.7E-01	-323.69	139.49	0.00	0.00	0.00	-828.15
9	ENVSLU MAX						
	0.00	-327.85	253.88	0.00	0.00	0.00	-851.10
	1.2E-01	-328.04	252.49	0.00	0.00	0.00	-875.72
	2.4E-01	-328.22	251.11	0.00	0.00	0.00	-900.22
	3.5E-01	-328.41	249.73	0.00	0.00	0.00	-921.21
	4.7E-01	-328.59	248.34	0.00	0.00	0.00	-939.54
9	ENVSLU MIN						
	0.00	-539.94	68.83	0.00	0.00	0.00	-1534.14
	1.2E-01	-539.94	72.89	0.00	0.00	0.00	-1545.56
	2.4E-01	-539.94	76.94	0.00	0.00	0.00	-1556.82
	3.5E-01	-539.94	80.99	0.00	0.00	0.00	-1572.68
	4.7E-01	-539.94	85.04	0.00	0.00	0.00	-1591.93
9	INVSLE MAX						
	0.00	-290.01	169.28	0.00	0.00	0.00	-813.73
	1.2E-01	-290.01	168.29	0.00	0.00	0.00	-828.14
	2.4E-01	-290.01	167.30	0.00	0.00	0.00	-842.43
	3.5E-01	-290.01	166.31	0.00	0.00	0.00	-853.20
	4.7E-01	-290.01	165.33	0.00	0.00	0.00	-861.32
9	INVSLE MIN						
	0.00	-380.08	39.69	0.00	0.00	0.00	-1095.84
	1.2E-01	-380.08	38.70	0.00	0.00	0.00	-1100.45
	2.4E-01	-380.08	37.71	0.00	0.00	0.00	-1104.95
	3.5E-01	-380.08	36.72	0.00	0.00	0.00	-1112.73
	4.7E-01	-380.08	35.73	0.00	0.00	0.00	-1122.93
9	INVRA MAX						
	0.00	-308.34	140.01	0.00	0.00	0.00	-1027.92
	1.2E-01	-308.34	139.02	0.00	0.00	0.00	-1044.33
	2.4E-01	-308.34	138.03	0.00	0.00	0.00	-1060.63
	3.5E-01	-308.34	137.05	0.00	0.00	0.00	-1073.41
	4.7E-01	-308.34	136.06	0.00	0.00	0.00	-1083.53
9	INVRA MIN						
	0.00	-380.08	39.69	0.00	0.00	0.00	-1095.84
	1.2E-01	-380.08	38.70	0.00	0.00	0.00	-1100.45
	2.4E-01	-380.08	37.71	0.00	0.00	0.00	-1104.95
	3.5E-01	-380.08	36.72	0.00	0.00	0.00	-1112.73
	4.7E-01	-380.08	35.73	0.00	0.00	0.00	-1122.93
9	INVFR MAX						
	0.00	-307.00	169.28	0.00	0.00	0.00	-961.90
	1.2E-01	-307.00	168.29	0.00	0.00	0.00	-981.76
	2.4E-01	-307.00	167.30	0.00	0.00	0.00	-1001.50
	3.5E-01	-307.00	166.31	0.00	0.00	0.00	-1017.72
	4.7E-01	-307.00	165.33	0.00	0.00	0.00	-1031.29
9	INVFR MIN						
	0.00	-371.12	78.92	0.00	0.00	0.00	-1019.12
	1.2E-01	-371.12	77.93	0.00	0.00	0.00	-1028.35
	2.4E-01	-371.12	76.94	0.00	0.00	0.00	-1037.46
	3.5E-01	-371.12	75.96	0.00	0.00	0.00	-1049.86
	4.7E-01	-371.12	74.97	0.00	0.00	0.00	-1064.67
9	INVQP MAX						
	0.00	-290.01	122.95	0.00	0.00	0.00	-813.73

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	1.2E-01	-290.01	121.96	0.00	0.00	0.00	-828.14
	2.4E-01	-290.01	120.98	0.00	0.00	0.00	-842.43
	3.5E-01	-290.01	119.99	0.00	0.00	0.00	-853.20
	4.7E-01	-290.01	119.00	0.00	0.00	0.00	-861.32
9	INVQP MIN						
	0.00	-323.67	72.46	0.00	0.00	0.00	-828.15
	1.2E-01	-323.67	71.47	0.00	0.00	0.00	-836.61
	2.4E-01	-323.67	70.48	0.00	0.00	0.00	-844.96
	3.5E-01	-323.67	69.50	0.00	0.00	0.00	-856.60
	4.7E-01	-323.67	68.51	0.00	0.00	0.00	-870.66
10	ENVSLU MAX						
	0.00	-313.74	136.75	0.00	0.00	0.00	-939.54
	1.2E-01	-313.93	135.37	0.00	0.00	0.00	-949.15
	2.4E-01	-314.11	133.98	0.00	0.00	0.00	-958.65
	3.5E-01	-314.30	132.60	0.00	0.00	0.00	-968.03
	4.7E-01	-314.48	131.22	0.00	0.00	0.00	-977.29
10	ENVSLU MIN						
	0.00	-537.77	-52.53	0.00	0.00	0.00	-1591.93
	1.2E-01	-537.77	-48.47	0.00	0.00	0.00	-1597.18
	2.4E-01	-537.77	-44.42	0.00	0.00	0.00	-1602.26
	3.5E-01	-537.77	-40.37	0.00	0.00	0.00	-1607.18
	4.7E-01	-537.77	-36.32	0.00	0.00	0.00	-1611.94
10	INVSLE MAX						
	0.00	-282.90	86.43	0.00	0.00	0.00	-861.32
	1.2E-01	-282.90	85.44	0.00	0.00	0.00	-861.49
	2.4E-01	-282.90	84.45	0.00	0.00	0.00	-861.54
	3.5E-01	-282.90	83.46	0.00	0.00	0.00	-861.48
	4.7E-01	-282.90	82.47	0.00	0.00	0.00	-861.30
10	INVSLE MIN						
	0.00	-380.09	-48.37	0.00	0.00	0.00	-1122.93
	1.2E-01	-380.09	-49.35	0.00	0.00	0.00	-1123.22
	2.4E-01	-380.09	-50.34	0.00	0.00	0.00	-1123.39
	3.5E-01	-380.09	-51.33	0.00	0.00	0.00	-1123.45
	4.7E-01	-380.09	-52.32	0.00	0.00	0.00	-1123.39
10	INVRA MAX						
	0.00	-307.47	53.27	0.00	0.00	0.00	-1083.53
	1.2E-01	-307.47	52.28	0.00	0.00	0.00	-1083.70
	2.4E-01	-307.47	51.29	0.00	0.00	0.00	-1083.76
	3.5E-01	-307.47	50.30	0.00	0.00	0.00	-1083.70
	4.7E-01	-307.47	49.31	0.00	0.00	0.00	-1083.52
10	INVRA MIN						
	0.00	-380.09	-48.37	0.00	0.00	0.00	-1122.93
	1.2E-01	-380.09	-49.35	0.00	0.00	0.00	-1123.22
	2.4E-01	-380.09	-50.34	0.00	0.00	0.00	-1123.39
	3.5E-01	-380.09	-51.33	0.00	0.00	0.00	-1123.45
	4.7E-01	-380.09	-52.32	0.00	0.00	0.00	-1123.39
10	INVFR MAX						
	0.00	-302.56	86.43	0.00	0.00	0.00	-1031.29
	1.2E-01	-302.56	85.44	0.00	0.00	0.00	-1035.36
	2.4E-01	-302.56	84.45	0.00	0.00	0.00	-1039.31
	3.5E-01	-302.56	83.46	0.00	0.00	0.00	-1043.15
	4.7E-01	-302.56	82.47	0.00	0.00	0.00	-1046.88
10	INVFR MIN						
	0.00	-368.81	-5.14	0.00	0.00	0.00	-1064.67
	1.2E-01	-368.81	-6.13	0.00	0.00	0.00	-1070.05
	2.4E-01	-368.81	-7.12	0.00	0.00	0.00	-1075.31
	3.5E-01	-368.81	-8.11	0.00	0.00	0.00	-1080.45
	4.7E-01	-368.81	-9.10	0.00	0.00	0.00	-1085.47
10	INVQP MAX						

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	0.00	-282.90	53.27	0.00	0.00	0.00	-861.32
	1.2E-01	-282.90	52.28	0.00	0.00	0.00	-861.49
	2.4E-01	-282.90	51.29	0.00	0.00	0.00	-861.54
	3.5E-01	-282.90	50.30	0.00	0.00	0.00	-861.48
	4.7E-01	-282.90	49.31	0.00	0.00	0.00	-861.30
10	INVQP MIN						
	0.00	-323.68	1.95	0.00	0.00	0.00	-870.66
	1.2E-01	-323.68	9.590E-01	0.00	0.00	0.00	-876.87
	2.4E-01	-323.68	-2.923E-02	0.00	0.00	0.00	-882.96
	3.5E-01	-323.68	-1.02	0.00	0.00	0.00	-888.93
	4.7E-01	-323.68	-2.01	0.00	0.00	0.00	-894.79
11	ENVSLU MAX						
	0.00	-299.66	53.79	0.00	0.00	0.00	-977.29
	1.2E-01	-299.85	52.80	0.00	0.00	0.00	-977.58
	2.4E-01	-300.03	51.81	0.00	0.00	0.00	-977.75
	3.5E-01	-300.21	50.83	0.00	0.00	0.00	-977.80
	4.7E-01	-300.40	49.84	0.00	0.00	0.00	-977.74
11	ENVSLU MIN						
	0.00	-535.65	-172.87	0.00	0.00	0.00	-1611.94
	1.2E-01	-535.65	-168.82	0.00	0.00	0.00	-1602.56
	2.4E-01	-535.65	-164.76	0.00	0.00	0.00	-1593.01
	3.5E-01	-535.65	-160.71	0.00	0.00	0.00	-1585.66
	4.7E-01	-535.65	-156.66	0.00	0.00	0.00	-1582.76
11	INVSLE MAX						
	0.00	-275.81	1.33	0.00	0.00	0.00	-861.30
	1.2E-01	-275.81	3.430E-01	0.00	0.00	0.00	-853.18
	2.4E-01	-275.81	-6.453E-01	0.00	0.00	0.00	-844.94
	3.5E-01	-275.81	-1.63	0.00	0.00	0.00	-836.58
	4.7E-01	-275.81	-2.62	0.00	0.00	0.00	-828.11
11	INVSLE MIN						
	0.00	-380.13	-135.14	0.00	0.00	0.00	-1123.39
	1.2E-01	-380.13	-136.13	0.00	0.00	0.00	-1113.42
	2.4E-01	-380.13	-137.12	0.00	0.00	0.00	-1108.60
	3.5E-01	-380.13	-138.10	0.00	0.00	0.00	-1104.22
	4.7E-01	-380.13	-139.09	0.00	0.00	0.00	-1099.72
11	INVRA MAX						
	0.00	-306.63	-34.76	0.00	0.00	0.00	-1083.52
	1.2E-01	-306.63	-35.75	0.00	0.00	0.00	-1073.39
	2.4E-01	-306.63	-36.74	0.00	0.00	0.00	-1057.87
	3.5E-01	-306.63	-37.73	0.00	0.00	0.00	-1041.68
	4.7E-01	-306.63	-38.71	0.00	0.00	0.00	-1025.37
11	INVRA MIN						
	0.00	-380.13	-135.14	0.00	0.00	0.00	-1123.39
	1.2E-01	-380.13	-136.13	0.00	0.00	0.00	-1113.42
	2.4E-01	-380.13	-137.12	0.00	0.00	0.00	-1108.60
	3.5E-01	-380.13	-138.10	0.00	0.00	0.00	-1104.22
	4.7E-01	-380.13	-139.09	0.00	0.00	0.00	-1099.72
11	INVFR MAX						
	0.00	-298.14	1.33	0.00	0.00	0.00	-1046.88
	1.2E-01	-298.14	3.430E-01	0.00	0.00	0.00	-1040.99
	2.4E-01	-298.14	-6.453E-01	0.00	0.00	0.00	-1030.77
	3.5E-01	-298.14	-1.63	0.00	0.00	0.00	-1020.00
	4.7E-01	-298.14	-2.62	0.00	0.00	0.00	-1009.10
11	INVFR MIN						
	0.00	-366.53	-89.14	0.00	0.00	0.00	-1085.47
	1.2E-01	-366.53	-90.13	0.00	0.00	0.00	-1080.91
	2.4E-01	-366.53	-91.12	0.00	0.00	0.00	-1080.45
	3.5E-01	-366.53	-92.11	0.00	0.00	0.00	-1080.32
	4.7E-01	-366.53	-93.10	0.00	0.00	0.00	-1080.07

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11	INVQP MAX						
	0.00	-275.81	-17.70	0.00	0.00	0.00	-861.30
	1.2E-01	-275.81	-18.69	0.00	0.00	0.00	-853.18
	2.4E-01	-275.81	-19.68	0.00	0.00	0.00	-844.94
	3.5E-01	-275.81	-20.67	0.00	0.00	0.00	-836.58
	4.7E-01	-275.81	-21.66	0.00	0.00	0.00	-828.11
11	INVQP MIN						
	0.00	-323.72	-68.57	0.00	0.00	0.00	-894.79
	1.2E-01	-323.72	-69.55	0.00	0.00	0.00	-892.65
	2.4E-01	-323.72	-70.54	0.00	0.00	0.00	-890.40
	3.5E-01	-323.72	-71.53	0.00	0.00	0.00	-888.02
	4.7E-01	-323.72	-72.52	0.00	0.00	0.00	-885.53
12	ENVSLU MAX						
	0.00	-285.61	-30.01	0.00	0.00	0.00	-977.74
	1.2E-01	-285.79	-31.00	0.00	0.00	0.00	-968.38
	2.4E-01	-285.98	-31.99	0.00	0.00	0.00	-958.89
	3.5E-01	-286.16	-32.98	0.00	0.00	0.00	-949.29
	4.7E-01	-286.34	-33.96	0.00	0.00	0.00	-939.58
12	ENVSLU MIN						
	0.00	-533.58	-293.02	0.00	0.00	0.00	-1582.76
	1.2E-01	-533.58	-288.97	0.00	0.00	0.00	-1565.19
	2.4E-01	-533.58	-284.92	0.00	0.00	0.00	-1547.45
	3.5E-01	-533.58	-280.87	0.00	0.00	0.00	-1529.56
	4.7E-01	-533.58	-279.71	0.00	0.00	0.00	-1511.49
12	INVSLE MAX						
	0.00	-268.75	-86.59	0.00	0.00	0.00	-828.11
	1.2E-01	-268.75	-87.58	0.00	0.00	0.00	-811.63
	2.4E-01	-268.75	-88.57	0.00	0.00	0.00	-795.04
	3.5E-01	-268.75	-89.55	0.00	0.00	0.00	-778.33
	4.7E-01	-268.75	-90.54	0.00	0.00	0.00	-761.51
12	INVSLE MIN						
	0.00	-380.21	-221.22	0.00	0.00	0.00	-1099.72
	1.2E-01	-380.21	-222.21	0.00	0.00	0.00	-1085.00
	2.4E-01	-380.21	-223.19	0.00	0.00	0.00	-1070.16
	3.5E-01	-380.21	-224.18	0.00	0.00	0.00	-1055.20
	4.7E-01	-380.21	-225.17	0.00	0.00	0.00	-1040.13
12	INVRA MAX						
	0.00	-305.82	-124.67	0.00	0.00	0.00	-1025.37
	1.2E-01	-305.82	-125.66	0.00	0.00	0.00	-999.29
	2.4E-01	-305.82	-126.65	0.00	0.00	0.00	-973.09
	3.5E-01	-305.82	-127.63	0.00	0.00	0.00	-946.77
	4.7E-01	-305.82	-128.62	0.00	0.00	0.00	-920.34
12	INVRA MIN						
	0.00	-380.21	-221.22	0.00	0.00	0.00	-1099.72
	1.2E-01	-380.21	-222.21	0.00	0.00	0.00	-1085.00
	2.4E-01	-380.21	-223.19	0.00	0.00	0.00	-1070.16
	3.5E-01	-380.21	-224.18	0.00	0.00	0.00	-1055.20
	4.7E-01	-380.21	-225.17	0.00	0.00	0.00	-1040.13
12	INVFR MAX						
	0.00	-293.75	-86.59	0.00	0.00	0.00	-1009.10
	1.2E-01	-293.75	-87.58	0.00	0.00	0.00	-988.61
	2.4E-01	-293.75	-88.57	0.00	0.00	0.00	-968.01
	3.5E-01	-293.75	-89.55	0.00	0.00	0.00	-947.29
	4.7E-01	-293.75	-90.54	0.00	0.00	0.00	-926.45
12	INVFR MIN						
	0.00	-364.28	-173.65	0.00	0.00	0.00	-1080.07
	1.2E-01	-364.28	-174.64	0.00	0.00	0.00	-1069.82
	2.4E-01	-364.28	-175.63	0.00	0.00	0.00	-1059.46
	3.5E-01	-364.28	-176.62	0.00	0.00	0.00	-1048.98

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	4.7E-01	-364.28	-177.60	0.00	0.00	0.00	-1038.39
12	INVQP MAX						
	0.00	-268.75	-90.43	0.00	0.00	0.00	-828.11
	1.2E-01	-268.75	-91.42	0.00	0.00	0.00	-811.63
	2.4E-01	-268.75	-92.41	0.00	0.00	0.00	-795.04
	3.5E-01	-268.75	-93.40	0.00	0.00	0.00	-778.33
	4.7E-01	-268.75	-94.39	0.00	0.00	0.00	-761.51
12	INVQP MIN						
	0.00	-323.80	-139.54	0.00	0.00	0.00	-885.53
	1.2E-01	-323.80	-140.53	0.00	0.00	0.00	-874.84
	2.4E-01	-323.80	-141.52	0.00	0.00	0.00	-864.02
	3.5E-01	-323.80	-142.51	0.00	0.00	0.00	-853.09
	4.7E-01	-323.80	-143.49	0.00	0.00	0.00	-842.05
13	ENVSLU MAX						
	0.00	-271.58	-118.43	0.00	0.00	0.00	-939.58
	1.2E-01	-271.77	-119.42	0.00	0.00	0.00	-920.17
	2.4E-01	-271.95	-120.41	0.00	0.00	0.00	-900.65
	3.5E-01	-272.13	-121.40	0.00	0.00	0.00	-881.01
	4.7E-01	-272.32	-122.38	0.00	0.00	0.00	-861.26
13	ENVSLU MIN						
	0.00	-531.56	-413.78	0.00	0.00	0.00	-1511.49
	1.2E-01	-531.56	-409.73	0.00	0.00	0.00	-1478.23
	2.4E-01	-531.56	-405.68	0.00	0.00	0.00	-1444.81
	3.5E-01	-531.56	-403.25	0.00	0.00	0.00	-1411.22
	4.7E-01	-531.56	-404.63	0.00	0.00	0.00	-1377.47
13	INVSLE MAX						
	0.00	-261.71	-165.40	0.00	0.00	0.00	-761.51
	1.2E-01	-261.71	-166.39	0.00	0.00	0.00	-736.58
	2.4E-01	-261.71	-167.38	0.00	0.00	0.00	-711.53
	3.5E-01	-261.71	-168.37	0.00	0.00	0.00	-686.37
	4.7E-01	-261.71	-169.36	0.00	0.00	0.00	-661.08
13	INVSLE MIN						
	0.00	-380.33	-307.15	0.00	0.00	0.00	-1040.13
	1.2E-01	-380.33	-308.14	0.00	0.00	0.00	-1017.40
	2.4E-01	-380.33	-309.13	0.00	0.00	0.00	-996.29
	3.5E-01	-380.33	-310.12	0.00	0.00	0.00	-975.07
	4.7E-01	-380.33	-311.11	0.00	0.00	0.00	-953.73
13	INVRA MAX						
	0.00	-305.03	-217.05	0.00	0.00	0.00	-920.34
	1.2E-01	-305.03	-218.04	0.00	0.00	0.00	-884.15
	2.4E-01	-305.03	-219.03	0.00	0.00	0.00	-847.84
	3.5E-01	-305.03	-220.02	0.00	0.00	0.00	-811.41
	4.7E-01	-305.03	-221.00	0.00	0.00	0.00	-774.87
13	INVRA MIN						
	0.00	-380.33	-307.15	0.00	0.00	0.00	-1040.13
	1.2E-01	-380.33	-308.14	0.00	0.00	0.00	-1014.53
	2.4E-01	-380.33	-309.13	0.00	0.00	0.00	-988.82
	3.5E-01	-380.33	-310.12	0.00	0.00	0.00	-963.00
	4.7E-01	-380.33	-311.11	0.00	0.00	0.00	-937.05
13	INVFR MAX						
	0.00	-289.39	-177.92	0.00	0.00	0.00	-926.45
	1.2E-01	-289.39	-178.91	0.00	0.00	0.00	-895.90
	2.4E-01	-289.39	-179.89	0.00	0.00	0.00	-865.23
	3.5E-01	-289.39	-180.88	0.00	0.00	0.00	-834.45
	4.7E-01	-289.39	-181.87	0.00	0.00	0.00	-803.54
13	INVFR MIN						
	0.00	-362.07	-259.20	0.00	0.00	0.00	-1038.39
	1.2E-01	-362.07	-260.19	0.00	0.00	0.00	-1017.40
	2.4E-01	-362.07	-261.18	0.00	0.00	0.00	-996.29

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	3.5E-01	-362.07	-262.17	0.00	0.00	0.00	-975.07
	4.7E-01	-362.07	-263.16	0.00	0.00	0.00	-953.73
13	INVQP MAX						
	0.00	-261.71	-165.40	0.00	0.00	0.00	-761.51
	1.2E-01	-261.71	-166.39	0.00	0.00	0.00	-736.58
	2.4E-01	-261.71	-167.38	0.00	0.00	0.00	-711.53
	3.5E-01	-261.71	-168.37	0.00	0.00	0.00	-686.37
	4.7E-01	-261.71	-169.36	0.00	0.00	0.00	-661.08
13	INVQP MIN						
	0.00	-323.90	-211.43	0.00	0.00	0.00	-842.05
	1.2E-01	-323.90	-212.41	0.00	0.00	0.00	-822.53
	2.4E-01	-323.90	-213.40	0.00	0.00	0.00	-802.89
	3.5E-01	-323.90	-214.39	0.00	0.00	0.00	-783.15
	4.7E-01	-323.90	-215.38	0.00	0.00	0.00	-763.28
14	ENVSLU MAX						
	0.00	-257.58	-212.02	0.00	0.00	0.00	-861.26
	1.2E-01	-257.76	-213.01	0.00	0.00	0.00	-831.37
	2.4E-01	-257.95	-214.00	0.00	0.00	0.00	-801.36
	3.5E-01	-258.13	-214.98	0.00	0.00	0.00	-771.24
	4.7E-01	-258.32	-215.97	0.00	0.00	0.00	-741.00
14	ENVSLU MIN						
	0.00	-529.59	-535.86	0.00	0.00	0.00	-1377.47
	1.2E-01	-529.59	-531.81	0.00	0.00	0.00	-1329.24
	2.4E-01	-529.59	-528.53	0.00	0.00	0.00	-1284.76
	3.5E-01	-529.59	-529.92	0.00	0.00	0.00	-1240.12
	4.7E-01	-529.59	-531.30	0.00	0.00	0.00	-1195.32
14	INVSLE MAX						
	0.00	-254.69	-243.07	0.00	0.00	0.00	-661.08
	1.2E-01	-254.69	-244.06	0.00	0.00	0.00	-627.54
	2.4E-01	-254.69	-245.05	0.00	0.00	0.00	-593.88
	3.5E-01	-254.69	-246.03	0.00	0.00	0.00	-560.10
	4.7E-01	-254.69	-247.02	0.00	0.00	0.00	-526.21
14	INVSLE MIN						
	0.00	-380.48	-393.45	0.00	0.00	0.00	-953.73
	1.2E-01	-380.48	-394.43	0.00	0.00	0.00	-921.53
	2.4E-01	-380.48	-395.42	0.00	0.00	0.00	-889.22
	3.5E-01	-380.48	-396.41	0.00	0.00	0.00	-856.78
	4.7E-01	-380.48	-397.40	0.00	0.00	0.00	-824.23
14	INVRA MAX						
	0.00	-304.27	-312.47	0.00	0.00	0.00	-774.87
	1.2E-01	-304.27	-313.46	0.00	0.00	0.00	-728.52
	2.4E-01	-304.27	-314.44	0.00	0.00	0.00	-682.06
	3.5E-01	-304.27	-315.43	0.00	0.00	0.00	-635.48
	4.7E-01	-304.27	-316.42	0.00	0.00	0.00	-588.79
14	INVRA MIN						
	0.00	-380.48	-393.45	0.00	0.00	0.00	-937.05
	1.2E-01	-380.48	-394.43	0.00	0.00	0.00	-900.23
	2.4E-01	-380.48	-395.42	0.00	0.00	0.00	-863.30
	3.5E-01	-380.48	-396.41	0.00	0.00	0.00	-826.25
	4.7E-01	-380.48	-397.40	0.00	0.00	0.00	-789.08
14	INVFR MAX						
	0.00	-285.05	-273.21	0.00	0.00	0.00	-803.54
	1.2E-01	-285.05	-274.20	0.00	0.00	0.00	-762.74
	2.4E-01	-285.05	-275.19	0.00	0.00	0.00	-721.83
	3.5E-01	-285.05	-276.17	0.00	0.00	0.00	-680.80
	4.7E-01	-285.05	-277.16	0.00	0.00	0.00	-639.65
14	INVFR MIN						
	0.00	-359.88	-346.31	0.00	0.00	0.00	-953.73
	1.2E-01	-359.88	-347.29	0.00	0.00	0.00	-921.53

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	2.4E-01	-359.88	-348.28	0.00	0.00	0.00	-889.22
	3.5E-01	-359.88	-349.27	0.00	0.00	0.00	-856.78
	4.7E-01	-359.88	-350.26	0.00	0.00	0.00	-824.23
14	INVQP MAX						
	0.00	-254.69	-243.07	0.00	0.00	0.00	-661.08
	1.2E-01	-254.69	-244.06	0.00	0.00	0.00	-627.54
	2.4E-01	-254.69	-245.05	0.00	0.00	0.00	-593.88
	3.5E-01	-254.69	-246.03	0.00	0.00	0.00	-560.10
	4.7E-01	-254.69	-247.02	0.00	0.00	0.00	-526.21
14	INVQP MIN						
	0.00	-324.03	-284.63	0.00	0.00	0.00	-763.28
	1.2E-01	-324.03	-285.62	0.00	0.00	0.00	-734.62
	2.4E-01	-324.03	-286.61	0.00	0.00	0.00	-705.85
	3.5E-01	-324.03	-287.59	0.00	0.00	0.00	-676.97
	4.7E-01	-324.03	-288.58	0.00	0.00	0.00	-647.96
15	ENVSLU MAX						
	0.00	-243.60	-311.30	0.00	0.00	0.00	-741.00
	1.2E-01	-243.79	-312.28	0.00	0.00	0.00	-700.12
	2.4E-01	-243.97	-313.27	0.00	0.00	0.00	-659.13
	3.5E-01	-244.15	-314.26	0.00	0.00	0.00	-618.01
	4.7E-01	-244.34	-315.25	0.00	0.00	0.00	-571.41
15	ENVSLU MIN						
	0.00	-527.67	-659.88	0.00	0.00	0.00	-1195.32
	1.2E-01	-527.67	-656.20	0.00	0.00	0.00	-1134.15
	2.4E-01	-527.67	-657.59	0.00	0.00	0.00	-1072.82
	3.5E-01	-527.67	-658.97	0.00	0.00	0.00	-1011.32
	4.7E-01	-527.67	-660.36	0.00	0.00	0.00	-949.66
15	INVSLE MAX						
	0.00	-247.70	-323.84	0.00	0.00	0.00	-526.21
	1.2E-01	-247.70	-324.83	0.00	0.00	0.00	-483.86
	2.4E-01	-247.70	-325.82	0.00	0.00	0.00	-441.39
	3.5E-01	-247.70	-326.81	0.00	0.00	0.00	-398.80
	4.7E-01	-247.70	-327.79	0.00	0.00	0.00	-356.10
15	INVSLE MIN						
	0.00	-380.66	-480.52	0.00	0.00	0.00	-824.23
	1.2E-01	-380.66	-481.50	0.00	0.00	0.00	-780.29
	2.4E-01	-380.66	-482.49	0.00	0.00	0.00	-736.24
	3.5E-01	-380.66	-483.48	0.00	0.00	0.00	-692.07
	4.7E-01	-380.66	-484.47	0.00	0.00	0.00	-647.78
15	INVRA MAX						
	0.00	-303.54	-411.43	0.00	0.00	0.00	-588.79
	1.2E-01	-303.54	-412.42	0.00	0.00	0.00	-532.20
	2.4E-01	-303.54	-413.40	0.00	0.00	0.00	-475.49
	3.5E-01	-303.54	-414.39	0.00	0.00	0.00	-418.67
	4.7E-01	-303.54	-415.38	0.00	0.00	0.00	-361.73
15	INVRA MIN						
	0.00	-380.66	-480.52	0.00	0.00	0.00	-789.08
	1.2E-01	-380.66	-481.50	0.00	0.00	0.00	-740.62
	2.4E-01	-380.66	-482.49	0.00	0.00	0.00	-692.04
	3.5E-01	-380.66	-483.48	0.00	0.00	0.00	-643.35
	4.7E-01	-380.66	-484.47	0.00	0.00	0.00	-594.54
15	INVFR MAX						
	0.00	-280.74	-372.99	0.00	0.00	0.00	-639.65
	1.2E-01	-280.74	-373.97	0.00	0.00	0.00	-588.37
	2.4E-01	-280.74	-374.96	0.00	0.00	0.00	-536.97
	3.5E-01	-280.74	-375.95	0.00	0.00	0.00	-485.46
	4.7E-01	-280.74	-376.94	0.00	0.00	0.00	-433.83
15	INVFR MIN						
	0.00	-357.74	-435.39	0.00	0.00	0.00	-824.23

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	1.2E-01	-357.74	-436.38	0.00	0.00	0.00	-780.29
	2.4E-01	-357.74	-437.37	0.00	0.00	0.00	-736.24
	3.5E-01	-357.74	-438.36	0.00	0.00	0.00	-692.07
	4.7E-01	-357.74	-439.34	0.00	0.00	0.00	-647.78
15	INVQP MAX						
	0.00	-247.70	-323.84	0.00	0.00	0.00	-526.21
	1.2E-01	-247.70	-324.83	0.00	0.00	0.00	-483.86
	2.4E-01	-247.70	-325.82	0.00	0.00	0.00	-441.39
	3.5E-01	-247.70	-326.81	0.00	0.00	0.00	-398.80
	4.7E-01	-247.70	-327.79	0.00	0.00	0.00	-356.10
15	INVQP MIN						
	0.00	-324.19	-359.52	0.00	0.00	0.00	-647.96
	1.2E-01	-324.19	-360.50	0.00	0.00	0.00	-609.81
	2.4E-01	-324.19	-361.49	0.00	0.00	0.00	-571.53
	3.5E-01	-324.19	-362.48	0.00	0.00	0.00	-533.14
	4.7E-01	-324.19	-363.47	0.00	0.00	0.00	-494.64
16	ENVSLU MAX						
	0.00	-229.65	-416.73	0.00	0.00	0.00	-571.41
	1.2E-01	-229.83	-417.72	0.00	0.00	0.00	-489.48
	2.4E-01	-230.01	-418.71	0.00	0.00	0.00	-404.16
	3.5E-01	-230.20	-419.70	0.00	0.00	0.00	-312.85
	4.7E-01	-230.38	-420.68	0.00	0.00	0.00	-222.00
16	ENVSLU MIN						
	0.00	-525.80	-786.77	0.00	0.00	0.00	-949.66
	1.2E-01	-525.80	-788.15	0.00	0.00	0.00	-870.77
	2.4E-01	-525.80	-789.54	0.00	0.00	0.00	-791.70
	3.5E-01	-525.80	-790.92	0.00	0.00	0.00	-712.48
	4.7E-01	-525.80	-792.30	0.00	0.00	0.00	-633.09
16	INVSLE MAX						
	0.00	-240.73	-408.07	0.00	0.00	0.00	-356.10
	1.2E-01	-240.73	-409.06	0.00	0.00	0.00	-294.77
	2.4E-01	-240.73	-410.05	0.00	0.00	0.00	-227.69
	3.5E-01	-240.73	-411.04	0.00	0.00	0.00	-160.49
	4.7E-01	-240.73	-412.03	0.00	0.00	0.00	-93.18
16	INVSLE MIN						
	0.00	-386.48	-568.69	0.00	0.00	0.00	-647.78
	1.2E-01	-386.48	-569.68	0.00	0.00	0.00	-591.52
	2.4E-01	-386.48	-570.66	0.00	0.00	0.00	-535.15
	3.5E-01	-386.48	-571.65	0.00	0.00	0.00	-478.66
	4.7E-01	-386.48	-572.64	0.00	0.00	0.00	-422.05
16	INVRA MAX						
	0.00	-297.23	-514.36	0.00	0.00	0.00	-361.73
	1.2E-01	-297.23	-515.35	0.00	0.00	0.00	-294.77
	2.4E-01	-297.23	-516.34	0.00	0.00	0.00	-227.69
	3.5E-01	-297.23	-517.33	0.00	0.00	0.00	-160.49
	4.7E-01	-297.23	-518.31	0.00	0.00	0.00	-93.18
16	INVRA MIN						
	0.00	-386.48	-568.69	0.00	0.00	0.00	-594.54
	1.2E-01	-386.48	-569.68	0.00	0.00	0.00	-533.97
	2.4E-01	-386.48	-570.66	0.00	0.00	0.00	-473.28
	3.5E-01	-386.48	-571.65	0.00	0.00	0.00	-412.48
	4.7E-01	-386.48	-572.64	0.00	0.00	0.00	-351.56
16	INVFR MAX						
	0.00	-271.98	-477.70	0.00	0.00	0.00	-433.83
	1.2E-01	-271.98	-478.68	0.00	0.00	0.00	-371.79
	2.4E-01	-271.98	-479.67	0.00	0.00	0.00	-309.64
	3.5E-01	-271.98	-480.66	0.00	0.00	0.00	-247.37
	4.7E-01	-271.98	-481.65	0.00	0.00	0.00	-184.98
16	INVFR MIN						

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	0.00	-360.11	-526.81	0.00	0.00	0.00	-647.78
	1.2E-01	-360.11	-527.80	0.00	0.00	0.00	-591.52
	2.4E-01	-360.11	-528.79	0.00	0.00	0.00	-535.15
	3.5E-01	-360.11	-529.78	0.00	0.00	0.00	-478.66
	4.7E-01	-360.11	-530.77	0.00	0.00	0.00	-422.05
16	INVQP MAX						
	0.00	-240.73	-408.07	0.00	0.00	0.00	-356.10
	1.2E-01	-240.73	-409.06	0.00	0.00	0.00	-304.70
	2.4E-01	-240.73	-410.05	0.00	0.00	0.00	-253.19
	3.5E-01	-240.73	-411.04	0.00	0.00	0.00	-201.56
	4.7E-01	-240.73	-412.03	0.00	0.00	0.00	-149.82
16	INVQP MIN						
	0.00	-324.38	-436.37	0.00	0.00	0.00	-494.64
	1.2E-01	-324.38	-437.36	0.00	0.00	0.00	-446.57
	2.4E-01	-324.38	-438.35	0.00	0.00	0.00	-398.39
	3.5E-01	-324.38	-439.34	0.00	0.00	0.00	-350.09
	4.7E-01	-324.38	-440.32	0.00	0.00	0.00	-301.67
17	ENVSLU MAX						
	0.00	-215.71	-528.72	0.00	0.00	0.00	-222.00
	1.2E-01	-215.90	-529.71	0.00	0.00	0.00	-114.53
	2.4E-01	-216.08	-530.70	0.00	0.00	0.00	-7.53
	3.5E-01	-216.26	-531.69	0.00	0.00	0.00	98.99
	4.7E-01	-216.45	-532.68	0.00	0.00	0.00	205.03
17	ENVSLU MIN						
	0.00	-523.97	-921.96	0.00	0.00	0.00	-633.09
	1.2E-01	-523.97	-923.35	0.00	0.00	0.00	-535.52
	2.4E-01	-523.97	-924.73	0.00	0.00	0.00	-437.79
	3.5E-01	-523.97	-926.11	0.00	0.00	0.00	-339.89
	4.7E-01	-523.97	-927.50	0.00	0.00	0.00	-268.55
17	INVSLE MAX						
	0.00	-233.78	-496.05	0.00	0.00	0.00	-93.18
	1.2E-01	-233.78	-497.04	0.00	0.00	0.00	-15.69
	2.4E-01	-233.78	-498.02	0.00	0.00	0.00	61.91
	3.5E-01	-233.78	-499.01	0.00	0.00	0.00	139.64
	4.7E-01	-233.78	-500.00	0.00	0.00	0.00	217.47
17	INVSLE MIN						
	0.00	-392.98	-658.17	0.00	0.00	0.00	-422.05
	1.2E-01	-392.98	-659.16	0.00	0.00	0.00	-352.85
	2.4E-01	-392.98	-660.15	0.00	0.00	0.00	-283.54
	3.5E-01	-392.98	-661.13	0.00	0.00	0.00	-214.11
	4.7E-01	-392.98	-662.12	0.00	0.00	0.00	-144.56
17	INVRA MAX						
	0.00	-290.32	-621.60	0.00	0.00	0.00	-93.18
	1.2E-01	-290.32	-622.59	0.00	0.00	0.00	-15.69
	2.4E-01	-290.32	-623.58	0.00	0.00	0.00	61.91
	3.5E-01	-290.32	-624.57	0.00	0.00	0.00	139.64
	4.7E-01	-290.32	-625.56	0.00	0.00	0.00	217.47
17	INVRA MIN						
	0.00	-392.98	-658.17	0.00	0.00	0.00	-351.56
	1.2E-01	-392.98	-659.16	0.00	0.00	0.00	-278.37
	2.4E-01	-392.98	-660.15	0.00	0.00	0.00	-205.06
	3.5E-01	-392.98	-661.13	0.00	0.00	0.00	-131.64
	4.7E-01	-392.98	-662.12	0.00	0.00	0.00	-58.11
17	INVFR MAX						
	0.00	-262.73	-587.70	0.00	0.00	0.00	-184.98
	1.2E-01	-262.73	-588.69	0.00	0.00	0.00	-111.89
	2.4E-01	-262.73	-589.67	0.00	0.00	0.00	-38.68
	3.5E-01	-262.73	-590.66	0.00	0.00	0.00	34.65
	4.7E-01	-262.73	-591.65	0.00	0.00	0.00	108.10

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17	INVFR MIN						
	0.00	-363.02	-620.82	0.00	0.00	0.00	-422.05
	1.2E-01	-363.02	-621.81	0.00	0.00	0.00	-352.85
	2.4E-01	-363.02	-622.80	0.00	0.00	0.00	-283.54
	3.5E-01	-363.02	-623.79	0.00	0.00	0.00	-214.11
	4.7E-01	-363.02	-624.77	0.00	0.00	0.00	-144.56
17	INVQP MAX						
	0.00	-233.78	-496.05	0.00	0.00	0.00	-149.82
	1.2E-01	-233.78	-497.04	0.00	0.00	0.00	-89.12
	2.4E-01	-233.78	-498.02	0.00	0.00	0.00	-28.31
	3.5E-01	-233.78	-499.01	0.00	0.00	0.00	32.61
	4.7E-01	-233.78	-500.00	0.00	0.00	0.00	93.66
17	INVQP MIN						
	0.00	-324.60	-515.40	0.00	0.00	0.00	-301.67
	1.2E-01	-324.60	-516.39	0.00	0.00	0.00	-243.26
	2.4E-01	-324.60	-517.38	0.00	0.00	0.00	-184.72
	3.5E-01	-324.60	-518.37	0.00	0.00	0.00	-126.07
	4.7E-01	-324.60	-519.35	0.00	0.00	0.00	-67.31
18	ENVSLU MAX						
	0.00	-201.80	-647.56	0.00	0.00	0.00	205.03
	1.2E-01	-201.98	-648.55	0.00	0.00	0.00	328.05
	2.4E-01	-202.16	-649.54	0.00	0.00	0.00	450.60
	3.5E-01	-202.35	-650.53	0.00	0.00	0.00	572.66
	4.7E-01	-202.53	-651.52	0.00	0.00	0.00	694.25
18	ENVSLU MIN						
	0.00	-524.74	-1060.55	0.00	0.00	0.00	-268.55
	1.2E-01	-524.74	-1061.94	0.00	0.00	0.00	-192.31
	2.4E-01	-524.74	-1063.32	0.00	0.00	0.00	-115.95
	3.5E-01	-524.74	-1064.71	0.00	0.00	0.00	-39.47
	4.7E-01	-524.74	-1066.09	0.00	0.00	0.00	37.12
18	INVSLE MAX						
	0.00	-226.86	-587.93	0.00	0.00	0.00	217.47
	1.2E-01	-226.86	-588.92	0.00	0.00	0.00	305.65
	2.4E-01	-226.86	-589.91	0.00	0.00	0.00	393.95
	3.5E-01	-226.86	-590.90	0.00	0.00	0.00	482.36
	4.7E-01	-226.86	-591.89	0.00	0.00	0.00	570.89
18	INVSLE MIN						
	0.00	-399.51	-749.03	0.00	0.00	0.00	-144.56
	1.2E-01	-399.51	-750.02	0.00	0.00	0.00	-61.77
	2.4E-01	-399.51	-751.01	0.00	0.00	0.00	21.14
	3.5E-01	-399.51	-751.99	0.00	0.00	0.00	104.17
	4.7E-01	-399.51	-752.98	0.00	0.00	0.00	187.31
18	INVRA MAX						
	0.00	-283.43	-733.36	0.00	0.00	0.00	217.47
	1.2E-01	-283.43	-734.35	0.00	0.00	0.00	305.65
	2.4E-01	-283.43	-735.34	0.00	0.00	0.00	393.95
	3.5E-01	-283.43	-736.32	0.00	0.00	0.00	482.36
	4.7E-01	-283.43	-737.31	0.00	0.00	0.00	570.89
18	INVRA MIN						
	0.00	-399.51	-749.03	0.00	0.00	0.00	-58.11
	1.2E-01	-399.51	-750.02	0.00	0.00	0.00	28.23
	2.4E-01	-399.51	-751.01	0.00	0.00	0.00	114.68
	3.5E-01	-399.51	-751.99	0.00	0.00	0.00	201.25
	4.7E-01	-399.51	-752.98	0.00	0.00	0.00	287.94
18	INVFR MAX						
	0.00	-253.50	-703.24	0.00	0.00	0.00	108.10
	1.2E-01	-253.50	-704.23	0.00	0.00	0.00	192.57
	2.4E-01	-253.50	-705.21	0.00	0.00	0.00	277.16
	3.5E-01	-253.50	-706.20	0.00	0.00	0.00	361.87

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	4.7E-01	-253.50	-707.19	0.00	0.00	0.00	446.69
18	INVFR MIN						
	0.00	-365.96	-717.53	0.00	0.00	0.00	-144.56
	1.2E-01	-365.96	-718.52	0.00	0.00	0.00	-61.77
	2.4E-01	-365.96	-719.50	0.00	0.00	0.00	21.14
	3.5E-01	-365.96	-720.49	0.00	0.00	0.00	104.17
	4.7E-01	-365.96	-721.48	0.00	0.00	0.00	187.31
18	INVQP MAX						
	0.00	-226.86	-587.93	0.00	0.00	0.00	93.66
	1.2E-01	-226.86	-588.92	0.00	0.00	0.00	163.91
	2.4E-01	-226.86	-589.91	0.00	0.00	0.00	234.29
	3.5E-01	-226.86	-590.90	0.00	0.00	0.00	304.78
	4.7E-01	-226.86	-591.89	0.00	0.00	0.00	375.39
18	INVQP MIN						
	0.00	-324.85	-596.70	0.00	0.00	0.00	-67.31
	1.2E-01	-324.85	-597.69	0.00	0.00	0.00	1.92
	2.4E-01	-324.85	-598.67	0.00	0.00	0.00	71.26
	3.5E-01	-324.85	-599.66	0.00	0.00	0.00	140.72
	4.7E-01	-324.85	-600.65	0.00	0.00	0.00	210.30
19	ENVSLU MAX						
	0.00	-187.90	-769.86	0.00	0.00	0.00	694.25
	5.6E-02	-187.99	-770.34	0.00	0.00	0.00	760.80
	1.1E-01	-188.08	-770.81	0.00	0.00	0.00	827.38
	1.7E-01	-188.16	-771.28	0.00	0.00	0.00	894.77
	2.2E-01	-188.25	-771.75	0.00	0.00	0.00	962.54
19	ENVSLU MIN						
	0.00	-530.48	-1213.56	0.00	0.00	0.00	37.12
	5.6E-02	-530.48	-1214.23	0.00	0.00	0.00	80.64
	1.1E-01	-530.48	-1214.89	0.00	0.00	0.00	124.18
	1.7E-01	-530.48	-1215.55	0.00	0.00	0.00	167.75
	2.2E-01	-530.48	-1216.21	0.00	0.00	0.00	211.35
19	INVSLE MAX						
	0.00	-219.95	-680.23	0.00	0.00	0.00	570.89
	5.6E-02	-219.95	-680.71	0.00	0.00	0.00	618.22
	1.1E-01	-219.95	-681.18	0.00	0.00	0.00	665.57
	1.7E-01	-219.95	-681.65	0.00	0.00	0.00	712.96
	2.2E-01	-219.95	-682.12	0.00	0.00	0.00	760.37
19	INVSLE MIN						
	0.00	-406.07	-849.68	0.00	0.00	0.00	187.31
	5.6E-02	-406.07	-850.16	0.00	0.00	0.00	233.69
	1.1E-01	-406.07	-850.63	0.00	0.00	0.00	280.11
	1.7E-01	-406.07	-851.10	0.00	0.00	0.00	325.81
	2.2E-01	-406.07	-851.57	0.00	0.00	0.00	364.36
19	INVRA MAX						
	0.00	-276.57	-841.18	0.00	0.00	0.00	570.89
	5.6E-02	-276.57	-841.65	0.00	0.00	0.00	618.22
	1.1E-01	-276.57	-842.12	0.00	0.00	0.00	665.57
	1.7E-01	-276.57	-842.59	0.00	0.00	0.00	712.96
	2.2E-01	-276.57	-843.07	0.00	0.00	0.00	760.37
19	INVRA MIN						
	0.00	-406.07	-849.68	0.00	0.00	0.00	287.94
	5.6E-02	-406.07	-850.16	0.00	0.00	0.00	335.74
	1.1E-01	-406.07	-850.63	0.00	0.00	0.00	383.58
	1.7E-01	-406.07	-851.10	0.00	0.00	0.00	431.44
	2.2E-01	-406.07	-851.57	0.00	0.00	0.00	479.33
19	INVFR MAX						
	0.00	-244.30	-816.90	0.00	0.00	0.00	446.69
	5.6E-02	-244.30	-817.37	0.00	0.00	0.00	492.65
	1.1E-01	-244.30	-817.84	0.00	0.00	0.00	538.64

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	1.7E-01	-244.30	-818.32	0.00	0.00	0.00	584.66
	2.2E-01	-244.30	-818.79	0.00	0.00	0.00	630.70
19	INVFR MIN						
	0.00	-368.93	-824.42	0.00	0.00	0.00	187.31
	5.6E-02	-368.93	-824.89	0.00	0.00	0.00	233.69
	1.1E-01	-368.93	-825.36	0.00	0.00	0.00	280.11
	1.7E-01	-368.93	-825.83	0.00	0.00	0.00	326.55
	2.2E-01	-368.93	-826.31	0.00	0.00	0.00	373.01
19	INVQP MAX						
	0.00	-219.95	-680.23	0.00	0.00	0.00	375.39
	5.6E-02	-219.95	-680.71	0.00	0.00	0.00	413.66
	1.1E-01	-219.95	-681.18	0.00	0.00	0.00	451.96
	1.7E-01	-219.95	-681.65	0.00	0.00	0.00	490.29
	2.2E-01	-219.95	-682.12	0.00	0.00	0.00	528.65
19	INVQP MIN						
	0.00	-325.13	-683.79	0.00	0.00	0.00	210.30
	5.6E-02	-325.13	-684.26	0.00	0.00	0.00	248.77
	1.1E-01	-325.13	-684.74	0.00	0.00	0.00	287.28
	1.7E-01	-325.13	-685.21	0.00	0.00	0.00	325.81
	2.2E-01	-325.13	-685.68	0.00	0.00	0.00	364.36
26	ENVSLU MAX						
	2.3E-01	-210.58	-601.20	0.00	0.00	0.00	-323.63
	2.8E-01	-211.06	-592.45	0.00	0.00	0.00	-290.06
	3.4E-01	-211.54	-583.69	0.00	0.00	0.00	-256.98
	3.9E-01	-212.03	-574.93	0.00	0.00	0.00	-224.39
	4.5E-01	-212.51	-566.17	0.00	0.00	0.00	-192.30
26	ENVSLU MIN						
	2.3E-01	-425.93	-1086.56	0.00	0.00	0.00	-954.23
	2.8E-01	-426.21	-1072.23	0.00	0.00	0.00	-893.51
	3.4E-01	-426.48	-1057.91	0.00	0.00	0.00	-833.60
	3.9E-01	-426.76	-1043.58	0.00	0.00	0.00	-774.50
	4.5E-01	-427.03	-1029.26	0.00	0.00	0.00	-716.20
26	INVSLE MAX						
	2.3E-01	-215.29	-560.79	0.00	0.00	0.00	-418.94
	2.8E-01	-215.29	-553.09	0.00	0.00	0.00	-387.62
	3.4E-01	-215.29	-545.39	0.00	0.00	0.00	-356.72
	3.9E-01	-215.29	-537.69	0.00	0.00	0.00	-326.26
	4.5E-01	-215.29	-529.99	0.00	0.00	0.00	-296.23
26	INVSLE MIN						
	2.3E-01	-314.15	-774.21	0.00	0.00	0.00	-724.67
	2.8E-01	-314.15	-764.14	0.00	0.00	0.00	-681.40
	3.4E-01	-314.15	-754.08	0.00	0.00	0.00	-638.70
	3.9E-01	-314.15	-744.02	0.00	0.00	0.00	-596.57
	4.5E-01	-314.15	-733.95	0.00	0.00	0.00	-555.00
26	INVRA MAX						
	2.3E-01	-253.16	-738.24	0.00	0.00	0.00	-571.13
	2.8E-01	-253.16	-728.18	0.00	0.00	0.00	-529.89
	3.4E-01	-253.16	-718.11	0.00	0.00	0.00	-489.21
	3.9E-01	-253.16	-708.05	0.00	0.00	0.00	-449.10
	4.5E-01	-253.16	-697.99	0.00	0.00	0.00	-409.56
26	INVRA MIN						
	2.3E-01	-314.15	-774.21	0.00	0.00	0.00	-724.67
	2.8E-01	-314.15	-764.14	0.00	0.00	0.00	-681.40
	3.4E-01	-314.15	-754.08	0.00	0.00	0.00	-638.70
	3.9E-01	-314.15	-744.02	0.00	0.00	0.00	-596.57
	4.5E-01	-314.15	-733.95	0.00	0.00	0.00	-555.00
26	INVFR MAX						
	2.3E-01	-223.48	-684.71	0.00	0.00	0.00	-464.48
	2.8E-01	-223.77	-675.12	0.00	0.00	0.00	-426.23

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	3.4E-01	-224.07	-665.53	0.00	0.00	0.00	-388.53
	3.9E-01	-224.36	-655.94	0.00	0.00	0.00	-351.36
	4.5E-01	-224.66	-646.35	0.00	0.00	0.00	-314.73
26	INVFR MIN						
	2.3E-01	-278.36	-717.01	0.00	0.00	0.00	-605.54
	2.8E-01	-278.65	-707.42	0.00	0.00	0.00	-565.48
	3.4E-01	-278.95	-697.83	0.00	0.00	0.00	-525.96
	3.9E-01	-279.24	-688.23	0.00	0.00	0.00	-486.98
	4.5E-01	-279.54	-678.64	0.00	0.00	0.00	-448.53
26	INVQP MAX						
	2.3E-01	-215.29	-560.79	0.00	0.00	0.00	-418.94
	2.8E-01	-215.29	-553.09	0.00	0.00	0.00	-387.62
	3.4E-01	-215.29	-545.39	0.00	0.00	0.00	-356.72
	3.9E-01	-215.29	-537.69	0.00	0.00	0.00	-326.26
	4.5E-01	-215.29	-529.99	0.00	0.00	0.00	-296.23
26	INVQP MIN						
	2.3E-01	-245.72	-578.41	0.00	0.00	0.00	-510.13
	2.8E-01	-245.72	-570.71	0.00	0.00	0.00	-477.82
	3.4E-01	-245.72	-563.01	0.00	0.00	0.00	-445.93
	3.9E-01	-245.72	-555.31	0.00	0.00	0.00	-414.48
	4.5E-01	-245.72	-547.61	0.00	0.00	0.00	-383.46
27	ENVSLU MAX						
	0.00	-212.51	-566.17	0.00	0.00	0.00	-192.30
	1.00	-221.06	-410.48	0.00	0.00	0.00	373.31
	2.00	-229.62	-254.78	0.00	0.00	0.00	927.75
	3.00	-238.18	-99.09	0.00	0.00	0.00	1273.72
	4.00	-246.73	58.48	0.00	0.00	0.00	1387.00
	5.00	-255.29	300.54	0.00	0.00	0.00	1246.84
	6.00	-263.84	550.89	0.00	0.00	0.00	875.46
	7.00	-272.40	805.55	0.00	0.00	0.00	249.43
	8.00	-280.96	1060.21	0.00	0.00	0.00	-591.44
27	ENVSLU MIN						
	0.00	-427.03	-1029.26	0.00	0.00	0.00	-716.20
	1.00	-431.94	-774.60	0.00	0.00	0.00	180.07
	2.00	-436.84	-519.94	0.00	0.00	0.00	576.67
	3.00	-441.75	-265.28	0.00	0.00	0.00	771.22
	4.00	-446.65	-10.62	0.00	0.00	0.00	810.08
	5.00	-451.56	194.68	0.00	0.00	0.00	692.37
	6.00	-456.46	350.38	0.00	0.00	0.00	402.22
	7.00	-461.37	506.07	0.00	0.00	0.00	-43.62
	8.00	-466.27	661.77	0.00	0.00	0.00	-883.28
27	INVSLE MAX						
	0.00	-215.29	-529.99	0.00	0.00	0.00	-296.23
	1.00	-215.29	-393.09	0.00	0.00	0.00	246.36
	2.00	-215.29	-256.19	0.00	0.00	0.00	636.96
	3.00	-215.29	-119.29	0.00	0.00	0.00	879.35
	4.00	-215.29	35.65	0.00	0.00	0.00	966.37
	5.00	-215.29	206.15	0.00	0.00	0.00	878.52
	6.00	-215.29	376.65	0.00	0.00	0.00	628.52
	7.00	-215.29	554.31	0.00	0.00	0.00	199.62
	8.00	-215.29	733.21	0.00	0.00	0.00	-383.42
27	INVSLE MIN						
	0.00	-314.15	-733.95	0.00	0.00	0.00	-555.00
	1.00	-314.15	-555.05	0.00	0.00	0.00	89.51
	2.00	-314.15	-376.15	0.00	0.00	0.00	437.95
	3.00	-314.15	-197.25	0.00	0.00	0.00	643.31
	4.00	-314.15	-18.35	0.00	0.00	0.00	711.76
	5.00	-314.15	136.89	0.00	0.00	0.00	642.45
	6.00	-314.15	273.79	0.00	0.00	0.00	419.49

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	7.00	-316.16	410.69	0.00	0.00	0.00	32.45
	8.00	-321.39	547.59	0.00	0.00	0.00	-599.95
27	INVRA MAX						
	0.00	-253.16	-697.99	0.00	0.00	0.00	-409.56
	1.00	-253.16	-519.09	0.00	0.00	0.00	198.98
	2.00	-253.16	-340.19	0.00	0.00	0.00	628.62
	3.00	-253.16	-161.29	0.00	0.00	0.00	879.35
	4.00	-253.16	17.61	0.00	0.00	0.00	966.37
	5.00	-253.16	196.51	0.00	0.00	0.00	878.52
	6.00	-253.16	375.41	0.00	0.00	0.00	628.52
	7.00	-253.16	554.31	0.00	0.00	0.00	199.62
	8.00	-253.16	733.21	0.00	0.00	0.00	-408.18
27	INVRA MIN						
	0.00	-314.15	-733.95	0.00	0.00	0.00	-555.00
	1.00	-314.15	-555.05	0.00	0.00	0.00	89.51
	2.00	-314.15	-376.15	0.00	0.00	0.00	555.11
	3.00	-314.15	-197.25	0.00	0.00	0.00	841.81
	4.00	-314.15	-18.35	0.00	0.00	0.00	934.44
	5.00	-314.15	160.55	0.00	0.00	0.00	844.13
	6.00	-314.15	339.45	0.00	0.00	0.00	558.16
	7.00	-314.15	518.35	0.00	0.00	0.00	93.30
	8.00	-314.15	697.25	0.00	0.00	0.00	-550.46
27	INVFR MAX						
	0.00	-224.66	-646.35	0.00	0.00	0.00	-314.73
	1.00	-229.89	-475.85	0.00	0.00	0.00	246.36
	2.00	-235.12	-305.35	0.00	0.00	0.00	636.96
	3.00	-240.35	-134.85	0.00	0.00	0.00	857.06
	4.00	-245.58	35.65	0.00	0.00	0.00	918.80
	5.00	-250.82	206.15	0.00	0.00	0.00	813.44
	6.00	-256.05	376.65	0.00	0.00	0.00	554.33
	7.00	-261.28	547.15	0.00	0.00	0.00	124.73
	8.00	-266.51	717.65	0.00	0.00	0.00	-475.38
27	INVFR MIN						
	0.00	-279.54	-678.64	0.00	0.00	0.00	-448.53
	1.00	-284.77	-508.14	0.00	0.00	0.00	144.86
	2.00	-290.00	-337.64	0.00	0.00	0.00	567.75
	3.00	-295.23	-167.14	0.00	0.00	0.00	820.15
	4.00	-300.46	3.36	0.00	0.00	0.00	889.90
	5.00	-305.70	173.86	0.00	0.00	0.00	785.75
	6.00	-310.93	344.36	0.00	0.00	0.00	494.35
	7.00	-316.16	514.86	0.00	0.00	0.00	32.45
	8.00	-321.39	685.36	0.00	0.00	0.00	-599.95
27	INVQP MAX						
	0.00	-215.29	-529.99	0.00	0.00	0.00	-296.23
	1.00	-215.29	-393.09	0.00	0.00	0.00	165.31
	2.00	-215.29	-256.19	0.00	0.00	0.00	489.94
	3.00	-215.29	-119.29	0.00	0.00	0.00	677.68
	4.00	-215.29	17.61	0.00	0.00	0.00	728.52
	5.00	-215.29	154.51	0.00	0.00	0.00	643.32
	6.00	-215.29	291.41	0.00	0.00	0.00	437.97
	7.00	-215.29	428.31	0.00	0.00	0.00	95.73
	8.00	-215.29	565.21	0.00	0.00	0.00	-383.42
27	INVQP MIN						
	0.00	-245.72	-547.61	0.00	0.00	0.00	-383.46
	1.00	-245.72	-410.71	0.00	0.00	0.00	95.70
	2.00	-245.72	-273.81	0.00	0.00	0.00	437.95
	3.00	-245.72	-136.91	0.00	0.00	0.00	643.31
	4.00	-245.72	-5.210E-03	0.00	0.00	0.00	711.76
	5.00	-245.72	136.89	0.00	0.00	0.00	642.45
	6.00	-245.72	273.79	0.00	0.00	0.00	419.49

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	7.00	-245.72	410.69	0.00	0.00	0.00	59.62
	8.00	-245.72	547.59	0.00	0.00	0.00	-437.14
28	ENVSLU MAX						
	0.00	-280.96	1060.21	0.00	0.00	0.00	-591.44
	1.1E-01	-281.92	1088.86	0.00	0.00	0.00	-666.87
	2.2E-01	-282.88	1117.51	0.00	0.00	0.00	-744.28
28	ENVSLU MIN						
	0.00	-466.27	661.77	0.00	0.00	0.00	-883.28
	1.1E-01	-466.82	679.28	0.00	0.00	0.00	-1000.31
	2.2E-01	-467.57	696.80	0.00	0.00	0.00	-1120.42
28	INVSLE MAX						
	0.00	-215.29	733.21	0.00	0.00	0.00	-383.42
	1.1E-01	-215.29	753.34	0.00	0.00	0.00	-445.89
	2.2E-01	-215.29	773.47	0.00	0.00	0.00	-510.09
28	INVSLE MIN						
	0.00	-321.39	547.59	0.00	0.00	0.00	-599.95
	1.1E-01	-321.98	563.00	0.00	0.00	0.00	-681.77
	2.2E-01	-322.57	578.40	0.00	0.00	0.00	-765.74
28	INVRA MAX						
	0.00	-253.16	733.21	0.00	0.00	0.00	-408.18
	1.1E-01	-253.16	753.34	0.00	0.00	0.00	-487.75
	2.2E-01	-253.16	773.47	0.00	0.00	0.00	-569.58
28	INVRA MIN						
	0.00	-314.15	697.25	0.00	0.00	0.00	-550.46
	1.1E-01	-314.15	717.37	0.00	0.00	0.00	-634.08
	2.2E-01	-314.15	737.50	0.00	0.00	0.00	-719.97
28	INVFR MAX						
	0.00	-266.51	717.65	0.00	0.00	0.00	-475.38
	1.1E-01	-267.10	736.83	0.00	0.00	0.00	-553.56
	2.2E-01	-267.69	756.01	0.00	0.00	0.00	-633.90
28	INVFR MIN						
	0.00	-321.39	685.36	0.00	0.00	0.00	-599.95
	1.1E-01	-321.98	704.54	0.00	0.00	0.00	-681.77
	2.2E-01	-322.57	723.72	0.00	0.00	0.00	-765.74
28	INVQP MAX						
	0.00	-215.29	565.21	0.00	0.00	0.00	-383.42
	1.1E-01	-215.29	580.61	0.00	0.00	0.00	-445.89
	2.2E-01	-215.29	596.02	0.00	0.00	0.00	-510.09
28	INVQP MIN						
	0.00	-245.72	547.59	0.00	0.00	0.00	-437.14
	1.1E-01	-245.72	563.00	0.00	0.00	0.00	-501.59
	2.2E-01	-245.72	578.40	0.00	0.00	0.00	-567.78
37	ENVSLU MAX						
	2.5E-01	-786.99	565.15	0.00	0.00	0.00	1306.70
	3.8E-01	-784.17	543.58	0.00	0.00	0.00	1237.41
	5.0E-01	-781.36	522.28	0.00	0.00	0.00	1170.80
37	ENVSLU MIN						
	2.5E-01	-1354.90	316.50	0.00	0.00	0.00	853.74
	3.8E-01	-1350.97	297.63	0.00	0.00	0.00	805.30
	5.0E-01	-1347.03	279.03	0.00	0.00	0.00	758.78
37	INVSLE MAX						
	2.5E-01	-742.34	392.80	0.00	0.00	0.00	899.74
	3.8E-01	-739.53	377.52	0.00	0.00	0.00	851.60
	5.0E-01	-736.72	362.43	0.00	0.00	0.00	805.36
37	INVSLE MIN						
	2.5E-01	-965.21	259.49	0.00	0.00	0.00	604.40
	3.8E-01	-962.40	246.01	0.00	0.00	0.00	568.08
	5.0E-01	-959.58	232.73	0.00	0.00	0.00	533.42

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37	INVRA MAX						
	2.5E-01	-929.24	379.95	0.00	0.00	0.00	851.76
	3.8E-01	-926.43	364.22	0.00	0.00	0.00	805.25
	5.0E-01	-923.62	348.69	0.00	0.00	0.00	760.70
37	INVRA MIN						
	2.5E-01	-965.21	259.49	0.00	0.00	0.00	610.37
	3.8E-01	-962.40	246.01	0.00	0.00	0.00	578.77
	5.0E-01	-959.58	232.73	0.00	0.00	0.00	548.85
37	INVFR MAX						
	2.5E-01	-873.82	392.80	0.00	0.00	0.00	899.74
	3.8E-01	-871.01	377.52	0.00	0.00	0.00	851.60
	5.0E-01	-868.20	362.43	0.00	0.00	0.00	805.36
37	INVFR MIN						
	2.5E-01	-906.12	290.35	0.00	0.00	0.00	684.89
	3.8E-01	-903.31	276.87	0.00	0.00	0.00	649.44
	5.0E-01	-900.49	263.59	0.00	0.00	0.00	615.67
37	INVQP MAX						
	2.5E-01	-742.34	327.78	0.00	0.00	0.00	713.08
	3.8E-01	-739.53	314.30	0.00	0.00	0.00	672.95
	5.0E-01	-736.72	301.02	0.00	0.00	0.00	634.49
37	INVQP MIN						
	2.5E-01	-759.96	297.36	0.00	0.00	0.00	604.40
	3.8E-01	-757.15	283.88	0.00	0.00	0.00	568.08
	5.0E-01	-754.34	270.60	0.00	0.00	0.00	533.42
38	ENVSLU MAX						
	0.00	-781.36	522.28	0.00	0.00	0.00	1170.80
	8.2E-01	-762.80	384.32	0.00	0.00	0.00	797.38
	1.65	-744.24	254.49	0.00	0.00	0.00	569.21
	2.48	-725.67	132.77	0.00	0.00	0.00	485.10
	3.30	-707.11	38.75	0.00	0.00	0.00	475.49
38	ENVSLU MIN						
	0.00	-1347.03	279.03	0.00	0.00	0.00	758.78
	8.2E-01	-1321.04	192.24	0.00	0.00	0.00	499.01
	1.65	-1295.05	104.05	0.00	0.00	0.00	317.84
	2.48	-1269.07	14.44	0.00	0.00	0.00	210.14
	3.30	-1243.08	-78.79	0.00	0.00	0.00	170.80
38	INVSLE MAX						
	0.00	-736.72	362.43	0.00	0.00	0.00	805.36
	8.2E-01	-718.15	264.74	0.00	0.00	0.00	547.05
	1.65	-699.59	172.85	0.00	0.00	0.00	371.61
	2.48	-681.03	86.76	0.00	0.00	0.00	306.43
	3.30	-662.47	6.46	0.00	0.00	0.00	315.97
38	INVSLE MIN						
	0.00	-959.58	232.73	0.00	0.00	0.00	533.42
	8.2E-01	-941.02	146.92	0.00	0.00	0.00	345.98
	1.65	-922.46	66.91	0.00	0.00	0.00	226.94
	2.48	-903.90	-7.31	0.00	0.00	0.00	171.51
	3.30	-885.33	-75.72	0.00	0.00	0.00	174.92
38	INVRA MAX						
	0.00	-923.62	348.69	0.00	0.00	0.00	760.70
	8.2E-01	-905.05	248.02	0.00	0.00	0.00	514.96
	1.65	-886.49	153.16	0.00	0.00	0.00	355.71
	2.48	-867.93	64.10	0.00	0.00	0.00	306.43
	3.30	-849.37	-19.17	0.00	0.00	0.00	315.97
38	INVRA MIN						
	0.00	-959.58	232.73	0.00	0.00	0.00	548.85
	8.2E-01	-941.02	146.92	0.00	0.00	0.00	392.65
	1.65	-922.46	66.91	0.00	0.00	0.00	298.99
	2.48	-903.90	-7.31	0.00	0.00	0.00	234.87

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	3.30	-885.33	-75.72	0.00	0.00	0.00	241.84
38	INVFR MAX						
	0.00	-868.20	362.43	0.00	0.00	0.00	805.36
	8.2E-01	-849.64	264.74	0.00	0.00	0.00	547.05
	1.65	-831.07	172.85	0.00	0.00	0.00	371.61
	2.48	-812.51	86.76	0.00	0.00	0.00	296.87
	3.30	-793.95	6.46	0.00	0.00	0.00	280.96
38	INVFR MIN						
	0.00	-900.49	263.59	0.00	0.00	0.00	615.67
	8.2E-01	-881.93	177.78	0.00	0.00	0.00	434.00
	1.65	-863.37	97.76	0.00	0.00	0.00	316.07
	2.48	-844.81	23.55	0.00	0.00	0.00	234.48
	3.30	-826.24	-44.86	0.00	0.00	0.00	221.52
38	INVQP MAX						
	0.00	-736.72	301.02	0.00	0.00	0.00	634.49
	8.2E-01	-718.15	215.21	0.00	0.00	0.00	421.95
	1.65	-699.59	135.19	0.00	0.00	0.00	277.81
	2.48	-681.03	60.98	0.00	0.00	0.00	197.28
	3.30	-662.47	-7.43	0.00	0.00	0.00	175.60
38	INVQP MIN						
	0.00	-754.34	270.60	0.00	0.00	0.00	533.42
	8.2E-01	-735.77	184.78	0.00	0.00	0.00	345.98
	1.65	-717.21	104.77	0.00	0.00	0.00	226.94
	2.48	-698.65	30.56	0.00	0.00	0.00	171.51
	3.30	-680.09	-37.86	0.00	0.00	0.00	174.92
39	ENVSLU MAX						
	0.00	-707.11	38.75	0.00	0.00	0.00	475.49
	6.8E-01	-691.92	-21.89	0.00	0.00	0.00	550.94
	1.35	-676.74	-78.36	0.00	0.00	0.00	674.33
	2.03	-661.55	-130.69	0.00	0.00	0.00	841.03
	2.70	-646.36	-178.85	0.00	0.00	0.00	1047.37
39	ENVSLU MIN						
	0.00	-1243.08	-78.79	0.00	0.00	0.00	170.80
	6.8E-01	-1221.82	-151.12	0.00	0.00	0.00	166.02
	1.35	-1200.55	-224.43	0.00	0.00	0.00	200.09
	2.03	-1179.29	-304.11	0.00	0.00	0.00	270.88
	2.70	-1158.03	-378.35	0.00	0.00	0.00	375.58
39	INVSLE MAX						
	0.00	-662.47	6.46	0.00	0.00	0.00	315.97
	6.8E-01	-647.28	-54.92	0.00	0.00	0.00	384.06
	1.35	-632.09	-106.87	0.00	0.00	0.00	486.39
	2.03	-616.90	-150.76	0.00	0.00	0.00	619.65
	2.70	-601.72	-190.78	0.00	0.00	0.00	781.23
39	INVSLE MIN						
	0.00	-885.33	-75.72	0.00	0.00	0.00	174.92
	6.8E-01	-870.15	-127.38	0.00	0.00	0.00	198.27
	1.35	-854.96	-175.16	0.00	0.00	0.00	254.50
	2.03	-839.77	-229.37	0.00	0.00	0.00	341.67
	2.70	-824.58	-281.53	0.00	0.00	0.00	457.16
39	INVRA MAX						
	0.00	-849.37	-19.17	0.00	0.00	0.00	315.97
	6.8E-01	-834.18	-82.98	0.00	0.00	0.00	384.06
	1.35	-818.99	-142.90	0.00	0.00	0.00	486.39
	2.03	-803.80	-188.63	0.00	0.00	0.00	619.65
	2.70	-788.62	-228.64	0.00	0.00	0.00	781.23
39	INVRA MIN						
	0.00	-885.33	-75.72	0.00	0.00	0.00	241.84
	6.8E-01	-870.15	-127.38	0.00	0.00	0.00	277.20
	1.35	-854.96	-175.16	0.00	0.00	0.00	353.65

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	2.03	-839.77	-229.37	0.00	0.00	0.00	469.25
	2.70	-824.58	-281.53	0.00	0.00	0.00	621.36
39	INVFR MAX						
	0.00	-793.95	6.46	0.00	0.00	0.00	280.96
	6.8E-01	-778.76	-54.92	0.00	0.00	0.00	328.23
	1.35	-763.57	-112.41	0.00	0.00	0.00	409.72
	2.03	-748.39	-157.77	0.00	0.00	0.00	522.16
	2.70	-733.20	-197.78	0.00	0.00	0.00	662.91
39	INVFR MIN						
	0.00	-826.24	-44.86	0.00	0.00	0.00	221.52
	6.8E-01	-811.06	-96.52	0.00	0.00	0.00	238.77
	1.35	-795.87	-144.30	0.00	0.00	0.00	295.46
	2.03	-780.68	-196.45	0.00	0.00	0.00	389.65
	2.70	-765.49	-246.18	0.00	0.00	0.00	518.72
39	INVQP MAX						
	0.00	-662.47	-7.43	0.00	0.00	0.00	175.60
	6.8E-01	-647.28	-59.09	0.00	0.00	0.00	218.13
	1.35	-632.09	-106.87	0.00	0.00	0.00	294.89
	2.03	-616.90	-150.76	0.00	0.00	0.00	402.60
	2.70	-601.72	-190.78	0.00	0.00	0.00	538.62
39	INVQP MIN						
	0.00	-680.09	-37.86	0.00	0.00	0.00	174.92
	6.8E-01	-664.90	-89.52	0.00	0.00	0.00	198.27
	1.35	-649.71	-137.29	0.00	0.00	0.00	254.50
	2.03	-634.52	-181.19	0.00	0.00	0.00	341.67
	2.70	-619.34	-221.20	0.00	0.00	0.00	457.16
42	ENVSLU MAX						
	0.00	-646.36	-178.85	0.00	0.00	0.00	1047.37
	1.1E-01	-643.83	-186.48	0.00	0.00	0.00	1085.36
	2.3E-01	-641.30	-193.99	0.00	0.00	0.00	1124.33
42	ENVSLU MIN						
	0.00	-1158.03	-378.35	0.00	0.00	0.00	375.58
	1.1E-01	-1154.49	-390.20	0.00	0.00	0.00	396.13
	2.3E-01	-1150.94	-401.89	0.00	0.00	0.00	417.54
42	INVSLE MAX						
	0.00	-601.72	-190.78	0.00	0.00	0.00	781.23
	1.1E-01	-599.19	-197.07	0.00	0.00	0.00	810.73
	2.3E-01	-596.65	-203.25	0.00	0.00	0.00	840.93
42	INVSLE MIN						
	0.00	-824.58	-281.53	0.00	0.00	0.00	457.16
	1.1E-01	-822.05	-289.85	0.00	0.00	0.00	478.97
	2.3E-01	-819.52	-298.06	0.00	0.00	0.00	501.49
42	INVRA MAX						
	0.00	-788.62	-228.64	0.00	0.00	0.00	781.23
	1.1E-01	-786.09	-234.93	0.00	0.00	0.00	810.73
	2.3E-01	-783.55	-241.11	0.00	0.00	0.00	840.93
42	INVRA MIN						
	0.00	-824.58	-281.53	0.00	0.00	0.00	621.36
	1.1E-01	-822.05	-289.85	0.00	0.00	0.00	650.08
	2.3E-01	-819.52	-298.06	0.00	0.00	0.00	679.73
42	INVFR MAX						
	0.00	-733.20	-197.78	0.00	0.00	0.00	662.91
	1.1E-01	-730.67	-204.08	0.00	0.00	0.00	688.94
	2.3E-01	-728.14	-210.26	0.00	0.00	0.00	715.67
42	INVFR MIN						
	0.00	-765.49	-246.18	0.00	0.00	0.00	518.72
	1.1E-01	-762.96	-254.09	0.00	0.00	0.00	543.44
	2.3E-01	-760.43	-261.90	0.00	0.00	0.00	569.05
42	INVQP MAX						

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	0.00	-601.72	-190.78	0.00	0.00	0.00	538.62
	1.1E-01	-599.19	-197.07	0.00	0.00	0.00	563.86
	2.3E-01	-596.65	-203.25	0.00	0.00	0.00	589.80
42	INVQP MIN						
	0.00	-619.34	-221.20	0.00	0.00	0.00	457.16
	1.1E-01	-616.80	-227.49	0.00	0.00	0.00	478.97
	2.3E-01	-614.27	-233.67	0.00	0.00	0.00	501.49
43	ENVSLU MAX						
	2.5E-01	-882.58	492.12	0.00	0.00	0.00	1108.40
	3.8E-01	-879.77	470.33	0.00	0.00	0.00	1053.02
	5.0E-01	-876.96	448.71	0.00	0.00	0.00	1000.43
43	ENVSLU MIN						
	2.5E-01	-1385.86	151.63	0.00	0.00	0.00	345.31
	3.8E-01	-1381.92	140.62	0.00	0.00	0.00	327.05
	5.0E-01	-1377.98	129.71	0.00	0.00	0.00	310.16
43	INVSLE MAX						
	2.5E-01	-759.95	380.49	0.00	0.00	0.00	851.13
	3.8E-01	-757.14	364.60	0.00	0.00	0.00	804.57
	5.0E-01	-754.32	348.84	0.00	0.00	0.00	759.98
43	INVSLE MIN						
	2.5E-01	-964.47	192.31	0.00	0.00	0.00	468.19
	3.8E-01	-961.66	182.08	0.00	0.00	0.00	444.79
	5.0E-01	-958.84	171.95	0.00	0.00	0.00	422.67
43	INVRA MAX						
	2.5E-01	-928.50	380.49	0.00	0.00	0.00	851.13
	3.8E-01	-925.69	364.60	0.00	0.00	0.00	804.57
	5.0E-01	-922.88	348.84	0.00	0.00	0.00	759.98
43	INVRA MIN						
	2.5E-01	-964.47	244.48	0.00	0.00	0.00	606.88
	3.8E-01	-961.66	232.00	0.00	0.00	0.00	577.10
	5.0E-01	-958.84	219.61	0.00	0.00	0.00	548.87
43	INVFR MAX						
	2.5E-01	-912.83	340.66	0.00	0.00	0.00	726.08
	3.8E-01	-910.02	325.22	0.00	0.00	0.00	684.46
	5.0E-01	-907.21	309.91	0.00	0.00	0.00	644.77
43	INVFR MIN						
	2.5E-01	-945.13	210.76	0.00	0.00	0.00	503.42
	3.8E-01	-942.31	198.73	0.00	0.00	0.00	477.83
	5.0E-01	-939.50	186.80	0.00	0.00	0.00	453.73
43	INVQP MAX						
	2.5E-01	-759.95	297.75	0.00	0.00	0.00	604.45
	3.8E-01	-757.14	284.11	0.00	0.00	0.00	568.09
	5.0E-01	-754.32	270.60	0.00	0.00	0.00	533.42
43	INVQP MIN						
	2.5E-01	-777.57	192.31	0.00	0.00	0.00	468.19
	3.8E-01	-774.76	182.08	0.00	0.00	0.00	444.79
	5.0E-01	-771.94	171.95	0.00	0.00	0.00	422.67
44	ENVSLU MAX						
	0.00	-876.96	448.71	0.00	0.00	0.00	1000.43
	8.2E-01	-858.39	310.76	0.00	0.00	0.00	707.45
	1.65	-839.83	190.01	0.00	0.00	0.00	528.87
	2.48	-821.27	78.13	0.00	0.00	0.00	473.38
	3.30	-802.71	-35.16	0.00	0.00	0.00	490.18
44	ENVSLU MIN						
	0.00	-1377.98	129.71	0.00	0.00	0.00	310.16
	8.2E-01	-1351.99	60.47	0.00	0.00	0.00	232.03
	1.65	-1326.01	-4.01	0.00	0.00	0.00	192.04
	2.48	-1300.02	-63.73	0.00	0.00	0.00	180.88

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	3.30	-1274.03	-140.88	0.00	0.00	0.00	231.73
44	INVSLE MAX						
	0.00	-754.32	348.84	0.00	0.00	0.00	759.98
	8.2E-01	-735.76	248.18	0.00	0.00	0.00	514.11
	1.65	-717.20	153.32	0.00	0.00	0.00	365.92
	2.48	-698.64	64.25	0.00	0.00	0.00	316.00
	3.30	-680.07	-19.01	0.00	0.00	0.00	322.99
44	INVSLE MIN						
	0.00	-958.84	171.95	0.00	0.00	0.00	422.67
	8.2E-01	-940.28	107.59	0.00	0.00	0.00	307.66
	1.65	-921.72	38.67	0.00	0.00	0.00	226.92
	2.48	-903.16	-28.87	0.00	0.00	0.00	171.49
	3.30	-884.59	-92.06	0.00	0.00	0.00	174.89
44	INVRA MAX						
	0.00	-922.88	348.84	0.00	0.00	0.00	759.98
	8.2E-01	-904.31	248.18	0.00	0.00	0.00	514.11
	1.65	-885.75	153.32	0.00	0.00	0.00	365.92
	2.48	-867.19	64.25	0.00	0.00	0.00	316.00
	3.30	-848.63	-19.01	0.00	0.00	0.00	322.99
44	INVRA MIN						
	0.00	-958.84	219.61	0.00	0.00	0.00	548.87
	8.2E-01	-940.28	140.41	0.00	0.00	0.00	400.66
	1.65	-921.72	65.55	0.00	0.00	0.00	298.98
	2.48	-903.16	-4.96	0.00	0.00	0.00	234.85
	3.30	-884.59	-71.12	0.00	0.00	0.00	241.28
44	INVFR MAX						
	0.00	-907.21	309.91	0.00	0.00	0.00	644.77
	8.2E-01	-888.64	212.22	0.00	0.00	0.00	429.79
	1.65	-870.08	120.33	0.00	0.00	0.00	310.04
	2.48	-851.52	34.23	0.00	0.00	0.00	286.12
	3.30	-832.96	-46.06	0.00	0.00	0.00	316.54
44	INVFR MIN						
	0.00	-939.50	186.80	0.00	0.00	0.00	453.73
	8.2E-01	-920.94	110.56	0.00	0.00	0.00	331.37
	1.65	-902.38	38.67	0.00	0.00	0.00	253.08
	2.48	-883.81	-28.87	0.00	0.00	0.00	209.90
	3.30	-865.25	-92.06	0.00	0.00	0.00	234.93
44	INVQP MAX						
	0.00	-754.32	270.60	0.00	0.00	0.00	533.42
	8.2E-01	-735.76	184.79	0.00	0.00	0.00	345.97
	1.65	-717.20	104.78	0.00	0.00	0.00	243.95
	2.48	-698.64	30.57	0.00	0.00	0.00	227.95
	3.30	-680.07	-37.85	0.00	0.00	0.00	256.08
44	INVQP MIN						
	0.00	-771.94	171.95	0.00	0.00	0.00	422.67
	8.2E-01	-753.38	107.59	0.00	0.00	0.00	307.66
	1.65	-734.82	47.58	0.00	0.00	0.00	226.92
	2.48	-716.26	-8.08	0.00	0.00	0.00	171.49
	3.30	-697.69	-59.39	0.00	0.00	0.00	174.89
45	ENVSLU MAX						
	0.00	-802.71	-35.16	0.00	0.00	0.00	490.18
	6.8E-01	-787.52	-125.71	0.00	0.00	0.00	572.81
	1.35	-772.33	-198.38	0.00	0.00	0.00	733.99
	2.03	-757.14	-233.44	0.00	0.00	0.00	939.95
	2.70	-741.96	-265.32	0.00	0.00	0.00	1185.49
45	ENVSLU MIN						
	0.00	-1274.03	-140.88	0.00	0.00	0.00	231.73
	6.8E-01	-1252.77	-209.70	0.00	0.00	0.00	315.89
	1.35	-1231.51	-279.10	0.00	0.00	0.00	435.33

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	2.03	-1210.24	-355.13	0.00	0.00	0.00	587.25
	2.70	-1188.98	-425.73	0.00	0.00	0.00	768.84
45	INVSLE MAX						
	0.00	-680.07	-19.01	0.00	0.00	0.00	322.99
	6.8E-01	-664.89	-82.82	0.00	0.00	0.00	395.20
	1.35	-649.70	-133.97	0.00	0.00	0.00	505.59
	2.03	-634.51	-166.89	0.00	0.00	0.00	645.75
	2.70	-619.32	-196.90	0.00	0.00	0.00	813.71
45	INVSLE MIN						
	0.00	-884.59	-92.06	0.00	0.00	0.00	174.89
	6.8E-01	-869.41	-140.52	0.00	0.00	0.00	218.09
	1.35	-854.22	-189.40	0.00	0.00	0.00	294.85
	2.03	-839.03	-243.01	0.00	0.00	0.00	402.55
	2.70	-823.84	-292.75	0.00	0.00	0.00	538.58
45	INVRA MAX						
	0.00	-848.63	-19.01	0.00	0.00	0.00	322.99
	6.8E-01	-833.44	-82.82	0.00	0.00	0.00	388.34
	1.35	-818.25	-139.43	0.00	0.00	0.00	487.06
	2.03	-803.06	-184.51	0.00	0.00	0.00	617.19
	2.70	-787.88	-226.67	0.00	0.00	0.00	776.76
45	INVRA MIN						
	0.00	-884.59	-71.12	0.00	0.00	0.00	241.28
	6.8E-01	-869.41	-122.02	0.00	0.00	0.00	275.86
	1.35	-854.22	-173.32	0.00	0.00	0.00	352.21
	2.03	-839.03	-229.37	0.00	0.00	0.00	467.70
	2.70	-823.84	-281.53	0.00	0.00	0.00	619.71
45	INVFR MAX						
	0.00	-832.96	-46.06	0.00	0.00	0.00	316.54
	6.8E-01	-817.77	-107.44	0.00	0.00	0.00	395.20
	1.35	-802.58	-161.62	0.00	0.00	0.00	505.59
	2.03	-787.39	-204.26	0.00	0.00	0.00	645.75
	2.70	-772.21	-244.00	0.00	0.00	0.00	813.71
45	INVFR MIN						
	0.00	-865.25	-92.06	0.00	0.00	0.00	234.93
	6.8E-01	-850.06	-140.52	0.00	0.00	0.00	286.96
	1.35	-834.88	-189.40	0.00	0.00	0.00	379.10
	2.03	-819.69	-243.01	0.00	0.00	0.00	508.75
	2.70	-804.50	-292.75	0.00	0.00	0.00	673.28
45	INVQP MAX						
	0.00	-680.07	-37.85	0.00	0.00	0.00	256.08
	6.8E-01	-664.89	-89.51	0.00	0.00	0.00	309.41
	1.35	-649.70	-133.97	0.00	0.00	0.00	387.90
	2.03	-634.51	-166.89	0.00	0.00	0.00	489.61
	2.70	-619.32	-196.90	0.00	0.00	0.00	612.55
45	INVQP MIN						
	0.00	-697.69	-59.39	0.00	0.00	0.00	174.89
	6.8E-01	-682.51	-98.13	0.00	0.00	0.00	218.09
	1.35	-667.32	-137.29	0.00	0.00	0.00	294.85
	2.03	-652.13	-181.18	0.00	0.00	0.00	402.55
	2.70	-636.94	-221.20	0.00	0.00	0.00	538.58
46	ENVSLU MAX						
	0.00	-741.96	-265.32	0.00	0.00	0.00	1185.49
	1.1E-01	-739.43	-270.33	0.00	0.00	0.00	1230.07
	2.3E-01	-736.89	-275.24	0.00	0.00	0.00	1275.65
46	ENVSLU MIN						
	0.00	-1188.98	-425.73	0.00	0.00	0.00	768.84
	1.1E-01	-1185.44	-436.97	0.00	0.00	0.00	801.79
	2.3E-01	-1181.89	-448.06	0.00	0.00	0.00	835.48
46	INVSLE MAX						

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	0.00	-619.32	-196.90	0.00	0.00	0.00	813.71
	1.1E-01	-616.79	-201.62	0.00	0.00	0.00	844.27
	2.3E-01	-614.26	-206.26	0.00	0.00	0.00	875.54
46	INVSLE MIN						
	0.00	-823.84	-292.75	0.00	0.00	0.00	538.58
	1.1E-01	-821.31	-300.66	0.00	0.00	0.00	563.81
	2.3E-01	-818.78	-308.46	0.00	0.00	0.00	589.76
46	INVRA MAX						
	0.00	-787.88	-226.67	0.00	0.00	0.00	776.76
	1.1E-01	-785.35	-233.41	0.00	0.00	0.00	806.08
	2.3E-01	-782.81	-240.07	0.00	0.00	0.00	836.15
46	INVRA MIN						
	0.00	-823.84	-281.53	0.00	0.00	0.00	619.71
	1.1E-01	-821.31	-289.85	0.00	0.00	0.00	648.42
	2.3E-01	-818.78	-298.06	0.00	0.00	0.00	678.05
46	INVFR MAX						
	0.00	-772.21	-244.00	0.00	0.00	0.00	813.71
	1.1E-01	-769.67	-250.34	0.00	0.00	0.00	844.27
	2.3E-01	-767.14	-256.59	0.00	0.00	0.00	875.54
46	INVFR MIN						
	0.00	-804.50	-292.75	0.00	0.00	0.00	673.28
	1.1E-01	-801.97	-300.66	0.00	0.00	0.00	703.91
	2.3E-01	-799.44	-308.46	0.00	0.00	0.00	735.42
46	INVQP MAX						
	0.00	-619.32	-196.90	0.00	0.00	0.00	612.55
	1.1E-01	-616.79	-201.62	0.00	0.00	0.00	634.97
	2.3E-01	-614.26	-206.26	0.00	0.00	0.00	657.92
46	INVQP MIN						
	0.00	-636.94	-221.20	0.00	0.00	0.00	538.58
	1.1E-01	-634.41	-227.49	0.00	0.00	0.00	563.81
	2.3E-01	-631.88	-233.67	0.00	0.00	0.00	589.76

1.2. VERIFICA ARMATURE LONGITUDINALI

1.2.1. InPut

; File D:\UTENTE\Arch-2000\A167_Dam_Milano-Genova\IN1X\Longi_IN1X.s2k saved 9.20.12 16:39:20 in KN-m

SYSTEM

DOF=UX,UZ,RY LENGTH=m FORCE=KN PAGE=SECTIONS

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RELAZIONE DI CALCOLO OPERE PROVVISORIALI

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ADD=34 U1=6370 U2=6370 U3=63700
ADD=35 U1=6370 U2=6370 U3=63700
ADD=36 U1=6370 U2=6370 U3=63700
ADD=37 U1=6370 U2=6370 U3=63700
ADD=38 U1=6370 U2=6370 U3=63700
ADD=39 U1=6370 U2=6370 U3=63700
ADD=40 U1=6370 U2=6370 U3=63700
ADD=41 U1=6370 U2=6370 U3=63700
ADD=42 U1=6370 U2=6370 U3=63700
ADD=43 U1=6370 U2=6370 U3=63700
ADD=44 U1=6370 U2=6370 U3=63700
ADD=45 U1=6370 U2=6370 U3=63700
ADD=46 U1=6370 U2=6370 U3=63700
ADD=47 U1=6370 U2=6370 U3=63700
ADD=48 U1=6370 U2=6370 U3=63700
ADD=49 U1=6370 U2=6370 U3=63700
ADD=50 U1=6370 U2=6370 U3=63700
ADD=51 U1=6370 U2=6370 U3=63700
ADD=52 U1=6370 U2=6370 U3=63700
ADD=53 U1=6370 U2=6370 U3=63700
ADD=54 U1=6370 U2=6370 U3=63700

MATERIAL

NAME=STEEL IDES=S M=7.8271 W=76.81955
T=0 E=1.99948E+08 U=.3 A=.0000117 FY=248211.3
NAME=CONC IDES=C M=2.5 W=25
T=0 E=3.3675E+07 U=.2 A=.00001
NAME=OTHER IDES=N M=2.40068 W=23.56161
T=0 E=2.482113E+07 U=.2 A=.0000099
NAME=RCK35 IDES=C M=2.5 W=25
T=0 E=3.2588E+07 U=.2 A=.00001

FRAME SECTION

NAME=FSECL MAT=CONC SH=R T=.5,.3 A=.15 J=2.817371E-03 I=.003125,.001125 AS=.125,.125
NAME=SOLETTA MAT=RCK35 SH=R T=.5,1 A=.5 J=2.861003E-02 I=1.041667E-02,4.166667E-02 AS=.4166667,.4166667
NAME=PIEDRIT MAT=RCK35 SH=R T=.5,1 A=.5 J=2.861003E-02 I=1.041667E-02,4.166667E-02 AS=.4166667,.4166667
NAME=FONDAZ MAT=RCK35 SH=R T=.5,1 A=.5 J=2.861003E-02 I=1.041667E-02,4.166667E-02 AS=.4166667,.4166667
NAME=FS1 MAT=RCK35 SH=B T=3.1,2.6,.5,.5 A=4.7 J=6.342894 I=5.219917,3.823667 AS=3.1,2.6

FRAME

1 J=1,2 SEC=FS1 NSEG=4 ANG=0
2 J=2,3 SEC=FS1 NSEG=4 ANG=0
3 J=3,4 SEC=FS1 NSEG=4 ANG=0
4 J=4,5 SEC=FS1 NSEG=4 ANG=0
5 J=5,6 SEC=FS1 NSEG=4 ANG=0
6 J=6,7 SEC=FS1 NSEG=4 ANG=0
7 J=7,8 SEC=FS1 NSEG=4 ANG=0
8 J=8,9 SEC=FS1 NSEG=4 ANG=0
9 J=9,10 SEC=FS1 NSEG=4 ANG=0
10 J=10,11 SEC=FS1 NSEG=4 ANG=0
11 J=11,12 SEC=FS1 NSEG=4 ANG=0
12 J=12,13 SEC=FS1 NSEG=4 ANG=0
13 J=13,14 SEC=FS1 NSEG=4 ANG=0
14 J=14,15 SEC=FS1 NSEG=4 ANG=0
15 J=15,16 SEC=FS1 NSEG=4 ANG=0
16 J=16,17 SEC=FS1 NSEG=4 ANG=0
17 J=17,18 SEC=FS1 NSEG=4 ANG=0
18 J=18,19 SEC=FS1 NSEG=4 ANG=0
19 J=19,20 SEC=FS1 NSEG=4 ANG=0
20 J=20,21 SEC=FS1 NSEG=4 ANG=0
21 J=21,22 SEC=FS1 NSEG=4 ANG=0
22 J=22,23 SEC=FS1 NSEG=4 ANG=0
23 J=23,24 SEC=FS1 NSEG=4 ANG=0
24 J=24,25 SEC=FS1 NSEG=4 ANG=0
25 J=25,26 SEC=FS1 NSEG=4 ANG=0
26 J=26,27 SEC=FS1 NSEG=4 ANG=0
27 J=27,28 SEC=FS1 NSEG=4 ANG=0
28 J=28,29 SEC=FS1 NSEG=4 ANG=0
29 J=29,30 SEC=FS1 NSEG=4 ANG=0
30 J=30,31 SEC=FS1 NSEG=4 ANG=0
31 J=31,32 SEC=FS1 NSEG=4 ANG=0
32 J=32,33 SEC=FS1 NSEG=4 ANG=0

LINEA AV/AC MILANO – GENOVA
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33	J=33,34	SEC=FS1	NSEG=4	ANG=0
34	J=34,35	SEC=FS1	NSEG=4	ANG=0
35	J=35,36	SEC=FS1	NSEG=4	ANG=0
36	J=36,37	SEC=FS1	NSEG=4	ANG=0
37	J=37,38	SEC=FS1	NSEG=4	ANG=0
38	J=38,39	SEC=FS1	NSEG=4	ANG=0
39	J=39,40	SEC=FS1	NSEG=4	ANG=0
40	J=40,41	SEC=FS1	NSEG=4	ANG=0
41	J=41,42	SEC=FS1	NSEG=4	ANG=0
42	J=42,43	SEC=FS1	NSEG=4	ANG=0
43	J=43,44	SEC=FS1	NSEG=4	ANG=0
44	J=44,45	SEC=FS1	NSEG=4	ANG=0
45	J=45,46	SEC=FS1	NSEG=4	ANG=0
46	J=46,47	SEC=FS1	NSEG=4	ANG=0
47	J=47,48	SEC=FS1	NSEG=4	ANG=0
48	J=48,49	SEC=FS1	NSEG=4	ANG=0
49	J=49,50	SEC=FS1	NSEG=4	ANG=0
50	J=50,51	SEC=FS1	NSEG=4	ANG=0
51	J=51,52	SEC=FS1	NSEG=4	ANG=0
52	J=52,53	SEC=FS1	NSEG=4	ANG=0
53	J=53,54	SEC=FS1	NSEG=4	ANG=0

LOAD

NAME=CDC1 SW=1

NAME=CDC2

TYPE=DISTRIBUTED SPAN

ADD=13	RD=0,1	U2=-1121.12,-1121.12
ADD=14	RD=0,1	U2=-1121.12,-1121.12
ADD=15	RD=0,1	U2=-1121.12,-1121.12
ADD=16	RD=0,1	U2=-1121.12,-1121.12
ADD=17	RD=0,1	U2=-1121.12,-1121.12
ADD=18	RD=0,1	U2=-1121.12,-1121.12
ADD=19	RD=0,1	U2=-1121.12,-1121.12
ADD=20	RD=0,1	U2=-1121.12,-1121.12
ADD=21	RD=0,1	U2=-1121.12,-1121.12
ADD=22	RD=0,1	U2=-1121.12,-1121.12
ADD=23	RD=0,1	U2=-1121.12,-1121.12
ADD=24	RD=0,1	U2=-1121.12,-1121.12
ADD=25	RD=0,1	U2=-1121.12,-1121.12
ADD=26	RD=0,1	U2=-1121.12,-1121.12
ADD=27	RD=0,1	U2=-1121.12,-1121.12
ADD=28	RD=0,1	U2=-1121.12,-1121.12
ADD=29	RD=0,1	U2=-1121.12,-1121.12
ADD=30	RD=0,1	U2=-1121.12,-1121.12
ADD=31	RD=0,1	U2=-1121.12,-1121.12
ADD=32	RD=0,1	U2=-1121.12,-1121.12
ADD=33	RD=0,1	U2=-1121.12,-1121.12
ADD=34	RD=0,1	U2=-1121.12,-1121.12
ADD=35	RD=0,1	U2=-1121.12,-1121.12
ADD=36	RD=0,1	U2=-1121.12,-1121.12
ADD=37	RD=0,1	U2=-1121.12,-1121.12
ADD=38	RD=0,1	U2=-1121,-1050.938
ADD=39	RD=0,1	U2=-1050.938,-980.875
ADD=40	RD=0,1	U2=-980.875,-910.8125
ADD=41	RD=0,1	U2=-910.8125,-840.75
ADD=42	RD=0,1	U2=-840.75,-770.6875
ADD=43	RD=0,1	U2=-770.6875,-700.625
ADD=44	RD=0,1	U2=-700.625,-630.5625
ADD=45	RD=0,1	U2=-630.5625,-560.5
ADD=46	RD=0,1	U2=-560.5,-490.4375
ADD=47	RD=0,1	U2=-490.4375,-420.375
ADD=48	RD=0,1	U2=-420.375,-350.3125
ADD=49	RD=0,1	U2=-350.3125,-280.25
ADD=50	RD=0,1	U2=-280.25,-210.1875
ADD=51	RD=0,1	U2=-210.1875,-140.125
ADD=52	RD=0,1	U2=-140.125,-70.0625
ADD=53	RD=0,1	U2=-70.0625,0
ADD=9	RD=0,1	U2=-1121.12,-1121.12
ADD=10	RD=0,1	U2=-1121.12,-1121.12
ADD=11	RD=0,1	U2=-1121.12,-1121.12
ADD=12	RD=0,1	U2=-1121.12,-1121.12
ADD=1	RD=0,1	U2=0,-140.125
ADD=2	RD=0,1	U2=-140.125,-280.25
ADD=3	RD=0,1	U2=-280.25,-420.375
ADD=4	RD=0,1	U2=-420.375,-560.5
ADD=5	RD=0,1	U2=-560.5,-700.625
ADD=6	RD=0,1	U2=-700.625,-840.75
ADD=7	RD=0,1	U2=-840.75,-980.875
ADD=8	RD=0,1	U2=-980.875,-1121

NAME=CDC3

TYPE=DISTRIBUTED SPAN

ADD=8	RD=0,1	U2=-196,-196
ADD=12	RD=0,1	U2=-196,-196
ADD=13	RD=0,1	U2=-196,-196
ADD=14	RD=0,1	U2=-196,-196
ADD=15	RD=0,1	U2=-196,-196
ADD=16	RD=0,1	U2=-196,-196
ADD=17	RD=0,1	U2=-196,-196
ADD=18	RD=0,1	U2=-196,-196
ADD=19	RD=0,1	U2=-196,-196

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RELAZIONE DI CALCOLO OPERE PROVVISORIALI

ADD=20 RD=0,1 U2=-196,-196
ADD=27 RD=0,1 U2=-196,-196
ADD=28 RD=0,1 U2=-196,-196
ADD=29 RD=0,1 U2=-196,-196
ADD=30 RD=0,1 U2=-196,-196
ADD=31 RD=0,1 U2=-196,-196
ADD=32 RD=0,1 U2=-196,-196
ADD=33 RD=0,1 U2=-196,-196
ADD=34 RD=0,1 U2=-196,-196
ADD=35 RD=0,1 U2=-196,-196
ADD=36 RD=0,1 U2=-196,-196
ADD=37 RD=0,1 U2=-196,-196
ADD=38 RD=0,1 U2=-196,-196
ADD=39 RD=0,1 U2=-196,-196
ADD=7 RD=0,1 U2=-196,-196
ADD=9 RD=0,1 U2=-196,-196
ADD=10 RD=0,1 U2=-196,-196
ADD=11 RD=0,1 U2=-196,-196
ADD=21 RD=0,1 U2=-411.6,-411.6
ADD=22 RD=0,1 U2=-411.6,-411.6
ADD=23 RD=0,1 U2=-411.6,-411.6
ADD=24 RD=0,1 U2=-411.6,-411.6
ADD=25 RD=0,1 U2=-411.6,-411.6
ADD=26 RD=0,1 U2=-411.6,-411.6

NAME=CDC9

TYPE=DISTRIBUTED SPAN

ADD=2 RD=0,1 U2=-264,-264
ADD=4 RD=0,1 U2=-264,-264
ADD=6 RD=0,1 U2=-264,-264
ADD=8 RD=0,1 U2=-264,-264
ADD=12 RD=0,1 U2=-264,-264
ADD=13 RD=0,1 U2=-264,-264
ADD=14 RD=0,1 U2=-264,-264
ADD=15 RD=0,1 U2=-264,-264
ADD=16 RD=0,1 U2=-264,-264
ADD=17 RD=0,1 U2=-264,-264
ADD=18 RD=0,1 U2=-264,-264
ADD=19 RD=0,1 U2=-264,-264
ADD=20 RD=0,1 U2=-264,-264
ADD=21 RD=0,1 U2=-264,-264
ADD=22 RD=0,1 U2=-264,-264
ADD=23 RD=0,1 U2=-264,-264
ADD=24 RD=0,1 U2=-264,-264
ADD=25 RD=0,1 U2=-264,-264
ADD=26 RD=0,1 U2=-264,-264
ADD=27 RD=0,1 U2=-264,-264
ADD=28 RD=0,1 U2=-264,-264
ADD=29 RD=0,1 U2=-264,-264
ADD=30 RD=0,1 U2=-264,-264
ADD=31 RD=0,1 U2=-264,-264
ADD=32 RD=0,1 U2=-264,-264
ADD=33 RD=0,1 U2=-264,-264
ADD=34 RD=0,1 U2=-264,-264
ADD=35 RD=0,1 U2=-264,-264
ADD=36 RD=0,1 U2=-264,-264
ADD=37 RD=0,1 U2=-264,-264
ADD=38 RD=0,1 U2=-264,-264
ADD=39 RD=0,1 U2=-264,-264
ADD=40 RD=0,1 U2=-264,-264
ADD=41 RD=0,1 U2=-264,-264
ADD=42 RD=0,1 U2=-264,-264
ADD=43 RD=0,1 U2=-264,-264
ADD=44 RD=0,1 U2=-264,-264
ADD=45 RD=0,1 U2=-264,-264
ADD=46 RD=0,1 U2=-264,-264
ADD=47 RD=0,1 U2=-264,-264
ADD=48 RD=0,1 U2=-264,-264
ADD=49 RD=0,1 U2=-264,-264
ADD=50 RD=0,1 U2=-264,-264
ADD=51 RD=0,1 U2=-264,-264
ADD=52 RD=0,1 U2=-264,-264
ADD=53 RD=0,1 U2=-264,-264
ADD=1 RD=0,1 U2=-264,-264
ADD=3 RD=0,1 U2=-264,-264
ADD=5 RD=0,1 U2=-264,-264
ADD=7 RD=0,1 U2=-264,-264
ADD=9 RD=0,1 U2=-264,-264
ADD=10 RD=0,1 U2=-264,-264
ADD=11 RD=0,1 U2=-264,-264

NAME=CDC11

TYPE=GRAVITY ELEM=FRAME

ADD=1 UX=.0625
ADD=2 UX=.0625
ADD=3 UX=.0625
ADD=4 UX=.0625
ADD=5 UX=.0625
ADD=6 UX=.0625
ADD=7 UX=.0625
ADD=8 UX=.0625
ADD=9 UX=.0625

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RELAZIONE DI CALCOLO OPERE PROVVISORIALI

ADD=10 UX=.0625
ADD=11 UX=.0625
ADD=12 UX=.0625
ADD=13 UX=.0625
ADD=14 UX=.0625
ADD=15 UX=.0625
ADD=16 UX=.0625
ADD=17 UX=.0625
ADD=18 UX=.0625
ADD=19 UX=.0625
ADD=20 UX=.0625
ADD=21 UX=.0625
ADD=22 UX=.0625
ADD=23 UX=.0625
ADD=24 UX=.0625
ADD=25 UX=.0625
ADD=26 UX=.0625
ADD=27 UX=.0625
ADD=28 UX=.0625
ADD=29 UX=.0625
ADD=30 UX=.0625
ADD=31 UX=.0625
ADD=32 UX=.0625
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ADD=34 UX=.0625
ADD=35 UX=.0625
ADD=36 UX=.0625
ADD=37 UX=.0625
ADD=38 UX=.0625
ADD=39 UX=.0625
ADD=40 UX=.0625
ADD=41 UX=.0625
ADD=42 UX=.0625
ADD=43 UX=.0625
ADD=44 UX=.0625
ADD=45 UX=.0625
ADD=46 UX=.0625
ADD=47 UX=.0625
ADD=48 UX=.0625
ADD=49 UX=.0625
ADD=50 UX=.0625
ADD=51 UX=.0625
ADD=52 UX=.0625
ADD=53 UX=.0625

TYPE=DISTRIBUTED SPAN

ADD=2 RD=0,1 U2=-35.035,-35.035
ADD=4 RD=0,1 U2=-35.035,-35.035
ADD=6 RD=0,1 U2=-35.035,-35.035
ADD=40 RD=0,1 U2=-35.035,-35.035
ADD=41 RD=0,1 U2=-35.035,-35.035
ADD=42 RD=0,1 U2=-35.035,-35.035
ADD=43 RD=0,1 U2=-35.035,-35.035
ADD=44 RD=0,1 U2=-35.035,-35.035
ADD=45 RD=0,1 U2=-35.035,-35.035
ADD=46 RD=0,1 U2=-35.035,-35.035
ADD=47 RD=0,1 U2=-35.035,-35.035
ADD=48 RD=0,1 U2=-35.035,-35.035
ADD=49 RD=0,1 U2=-35.035,-35.035
ADD=50 RD=0,1 U2=-35.035,-35.035
ADD=51 RD=0,1 U2=-35.035,-35.035
ADD=52 RD=0,1 U2=-35.035,-35.035
ADD=53 RD=0,1 U2=-35.035,-35.035
ADD=1 RD=0,1 U2=-35.035,-35.035
ADD=3 RD=0,1 U2=-35.035,-35.035
ADD=5 RD=0,1 U2=-35.035,-35.035
ADD=8 RD=0,1 U2=-184.24,-184.24
ADD=12 RD=0,1 U2=-184.24,-184.24
ADD=13 RD=0,1 U2=-184.24,-184.24
ADD=14 RD=0,1 U2=-184.24,-184.24
ADD=15 RD=0,1 U2=-184.24,-184.24
ADD=16 RD=0,1 U2=-184.24,-184.24
ADD=17 RD=0,1 U2=-184.24,-184.24
ADD=18 RD=0,1 U2=-184.24,-184.24
ADD=19 RD=0,1 U2=-184.24,-184.24
ADD=20 RD=0,1 U2=-184.24,-184.24
ADD=21 RD=0,1 U2=-184.24,-184.24
ADD=22 RD=0,1 U2=-184.24,-184.24
ADD=23 RD=0,1 U2=-184.24,-184.24
ADD=24 RD=0,1 U2=-184.24,-184.24
ADD=25 RD=0,1 U2=-184.24,-184.24
ADD=26 RD=0,1 U2=-184.24,-184.24
ADD=27 RD=0,1 U2=-184.24,-184.24
ADD=28 RD=0,1 U2=-184.24,-184.24
ADD=29 RD=0,1 U2=-184.24,-184.24
ADD=30 RD=0,1 U2=-184.24,-184.24
ADD=31 RD=0,1 U2=-184.24,-184.24
ADD=32 RD=0,1 U2=-184.24,-184.24
ADD=33 RD=0,1 U2=-184.24,-184.24
ADD=34 RD=0,1 U2=-184.24,-184.24
ADD=35 RD=0,1 U2=-184.24,-184.24

LINEA AV/AC MILANO – GENOVA
ATTRAVERSAMENTO E SISTEMAZIONE IDRAULICA RIO TRASTA
RELAZIONE DI CALCOLO OPERE PROVVISORIALI

ADD=36 RD=0,1 U2=-184.24,-184.24
ADD=37 RD=0,1 U2=-184.24,-184.24
ADD=38 RD=0,1 U2=-184.24,-184.24
ADD=39 RD=0,1 U2=-184.24,-184.24
ADD=7 RD=0,1 U2=-184.24,-184.24
ADD=9 RD=0,1 U2=-184.24,-184.24
ADD=10 RD=0,1 U2=-184.24,-184.24
ADD=11 RD=0,1 U2=-184.24,-184.24

COMBO

NAME=SLU1A
LOAD=CDC1 SF=1.4
LOAD=CDC2 SF=1.4
LOAD=CDC3 SF=1.5
LOAD=CDC9 SF=1.2
NAME=SLU2A
LOAD=CDC1 SF=1.4
LOAD=CDC2 SF=1.4
LOAD=CDC3 SF=1.5
NAME=SLU3A
LOAD=CDC1 SF=1.4
LOAD=CDC2 SF=1.4
LOAD=CDC3 SF=1.5
LOAD=CDC9 SF=1.2
NAME=SLU4A
LOAD=CDC1 SF=1.4
LOAD=CDC2 SF=1.4
LOAD=CDC3 SF=1.2
LOAD=CDC9 SF=1.2
NAME=SLU5A
LOAD=CDC1 SF=1.4
LOAD=CDC2 SF=1.4
LOAD=CDC3 SF=.75
LOAD=CDC9 SF=1.2
NAME=RA1A
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC3 SF=1
LOAD=CDC9 SF=.8
NAME=RA2A
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC3 SF=1
LOAD=CDC9 SF=.8
NAME=FR1A
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC3 SF=.8
NAME=FR2A
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC3 SF=.8
NAME=QPA
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
NAME=SISMICAL
LOAD=CDC1 SF=1
LOAD=CDC2 SF=1
LOAD=CDC11 SF=1
NAME=ENVSLU TYPE=ENVE
COMB=SLU1A SF=1
COMB=SLU2A SF=1
COMB=SLU3A SF=1
COMB=SLU4A SF=1
COMB=SLU5A SF=1
COMB=SISMICAL SF=1
NAME=INVSLE TYPE=ENVE
COMB=RA1A SF=1
COMB=RA2A SF=1
COMB=FR1A SF=1
COMB=FR2A SF=1
COMB=QPA SF=1
NAME=INVRA TYPE=ENVE
COMB=RA1A SF=1
COMB=RA2A SF=1
NAME=INVFR TYPE=ENVE
COMB=FR1A SF=1
COMB=FR2A SF=1
NAME=INVQP TYPE=ENVE
COMB=QPA SF=1

OUTPUT

; No Output Requested

END

; The following data is used for graphics, design and pushover analysis.
; If changes are made to the analysis data above, then the following data
; should be checked for consistency.
SAP2000 V7.00 SUPPLEMENTAL DATA

LINEA AV/AC MILANO – GENOVA
 ATTRAVERSAMENTO E SISTEMAZIONE IDRAULICA RIO TRASTA
 RELAZIONE DI CALCOLO OPERE PROVVISORIALI

```

GRID GLOBAL Y "1" 0
MATERIAL STEEL FY 248211.3
MATERIAL CONC FYREBAR 413685 FYSHEAR 275790 FC 27579 FCSHEAR 27579
MATERIAL RCK35 FYREBAR 413685 FYSHEAR 275790 FC 27579 FCSHEAR 27579
FRAMESECTION FS1 NAME SCATOLAR
CONCRETESECTION FSEC1 COLUMN COVER .05 REBAR RR-3-3
CONCRETESECTION SOLETTA COLUMN COVER .04572 REBAR RR-3-3
CONCRETESECTION PIEDRIT COLUMN COVER .04 REBAR RR-3-3
CONCRETESECTION FONDAZ COLUMN COVER .04572 REBAR RR-3-3
STATICLOAD CDC1 TYPE DEAD
STATICLOAD CDC2 TYPE DEAD
STATICLOAD CDC3 TYPE DEAD
STATICLOAD CDC9 TYPE DEAD
STATICLOAD CDC11 TYPE DEAD
END SUPPLEMENTAL DATA
  
```

1.2.2. OutPut

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 9.20.12 16:39:11

LOAD COMBINATION MULTIPLIERS

COMBO	TYPE	CASE	FACTOR	TYPE	TITLE
SLU1A	ADD				SLU1A
		CDC1	1.4000	STATIC(DEAD)	
		CDC2	1.4000	STATIC(DEAD)	
		CDC3	1.5000	STATIC(DEAD)	
		CDC9	1.2000	STATIC(DEAD)	
SLU2A	ADD				SLU2A
		CDC1	1.4000	STATIC(DEAD)	
		CDC2	1.4000	STATIC(DEAD)	
		CDC3	1.5000	STATIC(DEAD)	
SLU3A	ADD				SLU3A
		CDC1	1.4000	STATIC(DEAD)	
		CDC2	1.4000	STATIC(DEAD)	
		CDC3	1.5000	STATIC(DEAD)	
SLU4A	ADD				SLU4A
		CDC1	1.4000	STATIC(DEAD)	
		CDC2	1.4000	STATIC(DEAD)	
		CDC3	1.2000	STATIC(DEAD)	
SLU5A	ADD				SLU5A
		CDC1	1.4000	STATIC(DEAD)	
		CDC2	1.4000	STATIC(DEAD)	
		CDC3	0.7500	STATIC(DEAD)	
RA1A	ADD				RA1A
		CDC1	1.0000	STATIC(DEAD)	
		CDC2	1.0000	STATIC(DEAD)	
		CDC3	1.0000	STATIC(DEAD)	
RA2A	ADD				RA2A
		CDC1	1.0000	STATIC(DEAD)	
		CDC2	1.0000	STATIC(DEAD)	
		CDC3	1.0000	STATIC(DEAD)	
FR1A	ADD				FR1A
		CDC1	1.0000	STATIC(DEAD)	
		CDC2	1.0000	STATIC(DEAD)	
		CDC3	0.8000	STATIC(DEAD)	
FR2A	ADD				FR2A
		CDC1	1.0000	STATIC(DEAD)	
		CDC2	1.0000	STATIC(DEAD)	
QPA	ADD				QPA
		CDC1	1.0000	STATIC(DEAD)	
SISMICAL	ADD				SISMICAL
		CDC1	1.0000	STATIC(DEAD)	
		CDC2	1.0000	STATIC(DEAD)	

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 RELAZIONE DI CALCOLO OPERE PROVVISORIALI

CDC11 1.0000 STATIC(DEAD)

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F R A M E E L E M E N T F O R C E S

FRAME	LOAD	LOC	P	V2	V3	T	M2	M3
1	SLU1A							
		0.00	0.00	-765.32	0.00	0.00	0.00	0.00
		1.3E-01	0.00	-702.09	0.00	0.00	0.00	91.78
		2.5E-01	0.00	-632.74	0.00	0.00	0.00	175.27
		3.8E-01	0.00	-557.25	0.00	0.00	0.00	249.71
		5.0E-01	0.00	-475.63	0.00	0.00	0.00	314.32
1	SLU2A							
		0.00	0.00	-624.15	0.00	0.00	0.00	0.00
		1.3E-01	0.00	-600.52	0.00	0.00	0.00	76.61
		2.5E-01	0.00	-570.76	0.00	0.00	0.00	149.88
		3.8E-01	0.00	-534.88	0.00	0.00	0.00	219.04
		5.0E-01	0.00	-492.86	0.00	0.00	0.00	283.34
1	SLU3A							
		0.00	0.00	-765.32	0.00	0.00	0.00	0.00
		1.3E-01	0.00	-702.09	0.00	0.00	0.00	91.78
		2.5E-01	0.00	-632.74	0.00	0.00	0.00	175.27
		3.8E-01	0.00	-557.25	0.00	0.00	0.00	249.71
		5.0E-01	0.00	-475.63	0.00	0.00	0.00	314.32
1	SLU4A							
		0.00	0.00	-749.56	0.00	0.00	0.00	0.00
		1.3E-01	0.00	-686.34	0.00	0.00	0.00	89.81
		2.5E-01	0.00	-616.98	0.00	0.00	0.00	171.33
		3.8E-01	0.00	-541.49	0.00	0.00	0.00	243.80
		5.0E-01	0.00	-459.87	0.00	0.00	0.00	306.45
1	SLU5A							
		0.00	0.00	-725.92	0.00	0.00	0.00	0.00
		1.3E-01	0.00	-662.70	0.00	0.00	0.00	86.85
		2.5E-01	0.00	-593.34	0.00	0.00	0.00	165.42
		3.8E-01	0.00	-517.85	0.00	0.00	0.00	234.93
		5.0E-01	0.00	-436.23	0.00	0.00	0.00	294.63
1	RA1A							
		0.00	0.00	-536.18	0.00	0.00	0.00	0.00
		1.3E-01	0.00	-492.91	0.00	0.00	0.00	64.36
		2.5E-01	0.00	-445.25	0.00	0.00	0.00	123.04
		3.8E-01	0.00	-393.22	0.00	0.00	0.00	175.49
		5.0E-01	0.00	-336.80	0.00	0.00	0.00	221.17
1	RA2A							
		0.00	0.00	-536.18	0.00	0.00	0.00	0.00
		1.3E-01	0.00	-492.91	0.00	0.00	0.00	64.36
		2.5E-01	0.00	-445.25	0.00	0.00	0.00	123.04
		3.8E-01	0.00	-393.22	0.00	0.00	0.00	175.49
		5.0E-01	0.00	-336.80	0.00	0.00	0.00	221.17
1	FR1A							
		0.00	0.00	-431.56	0.00	0.00	0.00	0.00
		1.3E-01	0.00	-414.69	0.00	0.00	0.00	52.94
		2.5E-01	0.00	-393.43	0.00	0.00	0.00	103.49
		3.8E-01	0.00	-367.80	0.00	0.00	0.00	151.11
		5.0E-01	0.00	-337.78	0.00	0.00	0.00	195.26
1	FR2A							
		0.00	0.00	-431.56	0.00	0.00	0.00	0.00
		1.3E-01	0.00	-414.69	0.00	0.00	0.00	52.94
		2.5E-01	0.00	-393.43	0.00	0.00	0.00	103.49
		3.8E-01	0.00	-367.80	0.00	0.00	0.00	151.11
		5.0E-01	0.00	-337.78	0.00	0.00	0.00	195.26
1	QPA							
		0.00	0.00	-389.54	0.00	0.00	0.00	0.00
		1.3E-01	0.00	-372.66	0.00	0.00	0.00	47.68
		2.5E-01	0.00	-351.41	0.00	0.00	0.00	92.98
		3.8E-01	0.00	-325.77	0.00	0.00	0.00	135.35
		5.0E-01	0.00	-295.76	0.00	0.00	0.00	174.24
1	SISMICAL							
		0.00	3.53	-441.47	0.00	0.00	0.00	0.00
		1.3E-01	2.62	-420.21	0.00	0.00	0.00	53.90
		2.5E-01	1.70	-394.58	0.00	0.00	0.00	104.87
		3.8E-01	7.810E-01	-364.57	0.00	0.00	0.00	152.36
		5.0E-01	-1.370E-01	-330.17	0.00	0.00	0.00	195.83
2	SLU1A							
		0.00	0.00	-1261.77	0.00	0.00	0.00	314.32
		1.3E-01	0.00	-1174.02	0.00	0.00	0.00	466.62
		2.5E-01	0.00	-1080.14	0.00	0.00	0.00	607.57
		3.8E-01	0.00	-980.13	0.00	0.00	0.00	736.40
		5.0E-01	0.00	-873.99	0.00	0.00	0.00	852.35
2	SLU2A							
		0.00	0.00	-1137.04	0.00	0.00	0.00	283.34
		1.3E-01	0.00	-1088.89	0.00	0.00	0.00	422.52
		2.5E-01	0.00	-1034.61	0.00	0.00	0.00	555.31
		3.8E-01	0.00	-974.20	0.00	0.00	0.00	680.92
		5.0E-01	0.00	-907.66	0.00	0.00	0.00	798.60
2	SLU3A							

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	0.00	0.00	-1261.77	0.00	0.00	0.00	314.32
	1.3E-01	0.00	-1174.02	0.00	0.00	0.00	466.62
	2.5E-01	0.00	-1080.14	0.00	0.00	0.00	607.57
	3.8E-01	0.00	-980.13	0.00	0.00	0.00	736.40
	5.0E-01	0.00	-873.99	0.00	0.00	0.00	852.35
2	SLU4A						
	0.00	0.00	-1229.33	0.00	0.00	0.00	306.45
	1.3E-01	0.00	-1141.58	0.00	0.00	0.00	454.69
	2.5E-01	0.00	-1047.70	0.00	0.00	0.00	591.59
	3.8E-01	0.00	-947.69	0.00	0.00	0.00	716.36
	5.0E-01	0.00	-841.55	0.00	0.00	0.00	828.25
2	SLU5A						
	0.00	0.00	-1180.68	0.00	0.00	0.00	294.63
	1.3E-01	0.00	-1092.93	0.00	0.00	0.00	436.79
	2.5E-01	0.00	-999.05	0.00	0.00	0.00	567.60
	3.8E-01	0.00	-899.04	0.00	0.00	0.00	686.30
	5.0E-01	0.00	-792.90	0.00	0.00	0.00	792.11
2	RA1A						
	0.00	0.00	-887.60	0.00	0.00	0.00	221.17
	1.3E-01	0.00	-826.81	0.00	0.00	0.00	328.36
	2.5E-01	0.00	-761.64	0.00	0.00	0.00	427.69
	3.8E-01	0.00	-692.09	0.00	0.00	0.00	518.59
	5.0E-01	0.00	-618.16	0.00	0.00	0.00	600.52
2	RA2A						
	0.00	0.00	-887.60	0.00	0.00	0.00	221.17
	1.3E-01	0.00	-826.81	0.00	0.00	0.00	328.36
	2.5E-01	0.00	-761.64	0.00	0.00	0.00	427.69
	3.8E-01	0.00	-692.09	0.00	0.00	0.00	518.59
	5.0E-01	0.00	-618.16	0.00	0.00	0.00	600.52
2	FR1A						
	0.00	0.00	-782.83	0.00	0.00	0.00	195.26
	1.3E-01	0.00	-748.43	0.00	0.00	0.00	291.01
	2.5E-01	0.00	-709.66	0.00	0.00	0.00	382.18
	3.8E-01	0.00	-666.51	0.00	0.00	0.00	468.24
	5.0E-01	0.00	-618.98	0.00	0.00	0.00	548.63
2	FR2A						
	0.00	0.00	-782.83	0.00	0.00	0.00	195.26
	1.3E-01	0.00	-748.43	0.00	0.00	0.00	291.01
	2.5E-01	0.00	-709.66	0.00	0.00	0.00	382.18
	3.8E-01	0.00	-666.51	0.00	0.00	0.00	468.24
	5.0E-01	0.00	-618.98	0.00	0.00	0.00	548.63
2	QPA						
	0.00	0.00	-696.33	0.00	0.00	0.00	174.24
	1.3E-01	0.00	-661.94	0.00	0.00	0.00	259.18
	2.5E-01	0.00	-623.17	0.00	0.00	0.00	339.55
	3.8E-01	0.00	-580.02	0.00	0.00	0.00	414.79
	5.0E-01	0.00	-532.49	0.00	0.00	0.00	484.37
2	SISMICAL						
	0.00	3.40	-784.43	0.00	0.00	0.00	195.83
	1.3E-01	2.48	-745.66	0.00	0.00	0.00	291.51
	2.5E-01	1.56	-702.51	0.00	0.00	0.00	382.06
	3.8E-01	6.440E-01	-654.98	0.00	0.00	0.00	466.95
	5.0E-01	-2.740E-01	-603.07	0.00	0.00	0.00	545.62
3	SLU1A						
	0.00	0.00	-1681.24	0.00	0.00	0.00	852.35
	1.3E-01	0.00	-1568.97	0.00	0.00	0.00	1055.55
	2.5E-01	0.00	-1450.57	0.00	0.00	0.00	1244.34
	3.8E-01	0.00	-1326.04	0.00	0.00	0.00	1417.94
	5.0E-01	0.00	-1195.38	0.00	0.00	0.00	1575.59
3	SLU2A						
	0.00	0.00	-1572.19	0.00	0.00	0.00	798.60
	1.3E-01	0.00	-1499.52	0.00	0.00	0.00	990.65
	2.5E-01	0.00	-1420.72	0.00	0.00	0.00	1173.23
	3.8E-01	0.00	-1335.79	0.00	0.00	0.00	1345.57
	5.0E-01	0.00	-1244.72	0.00	0.00	0.00	1506.92
3	SLU3A						
	0.00	0.00	-1681.24	0.00	0.00	0.00	852.35
	1.3E-01	0.00	-1568.97	0.00	0.00	0.00	1055.55
	2.5E-01	0.00	-1450.57	0.00	0.00	0.00	1244.34
	3.8E-01	0.00	-1326.04	0.00	0.00	0.00	1417.94
	5.0E-01	0.00	-1195.38	0.00	0.00	0.00	1575.59
3	SLU4A						
	0.00	0.00	-1631.20	0.00	0.00	0.00	828.25
	1.3E-01	0.00	-1518.93	0.00	0.00	0.00	1025.20
	2.5E-01	0.00	-1400.53	0.00	0.00	0.00	1207.73
	3.8E-01	0.00	-1276.00	0.00	0.00	0.00	1375.08
	5.0E-01	0.00	-1145.34	0.00	0.00	0.00	1526.47
3	SLU5A						
	0.00	0.00	-1556.14	0.00	0.00	0.00	792.11
	1.3E-01	0.00	-1443.87	0.00	0.00	0.00	979.67
	2.5E-01	0.00	-1325.47	0.00	0.00	0.00	1152.82
	3.8E-01	0.00	-1200.94	0.00	0.00	0.00	1310.78
	5.0E-01	0.00	-1070.28	0.00	0.00	0.00	1452.80
3	RA1A						
	0.00	0.00	-1183.78	0.00	0.00	0.00	600.52
	1.3E-01	0.00	-1105.47	0.00	0.00	0.00	743.65
	2.5E-01	0.00	-1022.79	0.00	0.00	0.00	876.71
	3.8E-01	0.00	-935.72	0.00	0.00	0.00	999.16
	5.0E-01	0.00	-844.28	0.00	0.00	0.00	1110.46

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3	RA2A	0.00	0.00	-1183.78	0.00	0.00	0.00	600.52
		1.3E-01	0.00	-1105.47	0.00	0.00	0.00	743.65
		2.5E-01	0.00	-1022.79	0.00	0.00	0.00	876.71
		3.8E-01	0.00	-935.72	0.00	0.00	0.00	999.16
		5.0E-01	0.00	-844.28	0.00	0.00	0.00	1110.46
3	FR1A	0.00	0.00	-1077.72	0.00	0.00	0.00	548.63
		1.3E-01	0.00	-1025.81	0.00	0.00	0.00	680.14
		2.5E-01	0.00	-969.53	0.00	0.00	0.00	804.90
		3.8E-01	0.00	-908.86	0.00	0.00	0.00	922.34
		5.0E-01	0.00	-843.81	0.00	0.00	0.00	1031.93
3	FR2A	0.00	0.00	-1077.72	0.00	0.00	0.00	548.63
		1.3E-01	0.00	-1025.81	0.00	0.00	0.00	680.14
		2.5E-01	0.00	-969.53	0.00	0.00	0.00	804.90
		3.8E-01	0.00	-908.86	0.00	0.00	0.00	922.34
		5.0E-01	0.00	-843.81	0.00	0.00	0.00	1031.93
3	QPA	0.00	0.00	-944.28	0.00	0.00	0.00	484.37
		1.3E-01	0.00	-892.37	0.00	0.00	0.00	599.20
		2.5E-01	0.00	-836.08	0.00	0.00	0.00	707.28
		3.8E-01	0.00	-775.42	0.00	0.00	0.00	808.04
		5.0E-01	0.00	-710.37	0.00	0.00	0.00	900.95
3	SISMICAL	0.00	3.26	-1070.33	0.00	0.00	0.00	545.62
		1.3E-01	2.34	-1014.04	0.00	0.00	0.00	675.94
		2.5E-01	1.43	-953.37	0.00	0.00	0.00	798.95
		3.8E-01	5.070E-01	-888.33	0.00	0.00	0.00	914.10
		5.0E-01	-4.109E-01	-818.90	0.00	0.00	0.00	1020.85
4	SLU1A	0.00	0.00	-2023.95	0.00	0.00	0.00	1575.59
		1.3E-01	0.00	-1887.16	0.00	0.00	0.00	1820.10
		2.5E-01	0.00	-1744.23	0.00	0.00	0.00	2047.13
		3.8E-01	0.00	-1595.18	0.00	0.00	0.00	2255.90
		5.0E-01	0.00	-1440.00	0.00	0.00	0.00	2445.67
4	SLU2A	0.00	0.00	-1929.83	0.00	0.00	0.00	1506.92
		1.3E-01	0.00	-1832.63	0.00	0.00	0.00	1742.13
		2.5E-01	0.00	-1729.31	0.00	0.00	0.00	1964.82
		3.8E-01	0.00	-1619.85	0.00	0.00	0.00	2174.21
		5.0E-01	0.00	-1504.27	0.00	0.00	0.00	2369.53
4	SLU3A	0.00	0.00	-2023.95	0.00	0.00	0.00	1575.59
		1.3E-01	0.00	-1887.16	0.00	0.00	0.00	1820.10
		2.5E-01	0.00	-1744.23	0.00	0.00	0.00	2047.13
		3.8E-01	0.00	-1595.18	0.00	0.00	0.00	2255.90
		5.0E-01	0.00	-1440.00	0.00	0.00	0.00	2445.67
4	SLU4A	0.00	0.00	-1955.37	0.00	0.00	0.00	1526.47
		1.3E-01	0.00	-1818.57	0.00	0.00	0.00	1762.41
		2.5E-01	0.00	-1675.65	0.00	0.00	0.00	1980.86
		3.8E-01	0.00	-1526.59	0.00	0.00	0.00	2181.07
		5.0E-01	0.00	-1371.41	0.00	0.00	0.00	2362.26
4	SLU5A	0.00	0.00	-1852.49	0.00	0.00	0.00	1452.80
		1.3E-01	0.00	-1715.69	0.00	0.00	0.00	1675.87
		2.5E-01	0.00	-1572.77	0.00	0.00	0.00	1881.47
		3.8E-01	0.00	-1423.72	0.00	0.00	0.00	2068.81
		5.0E-01	0.00	-1268.53	0.00	0.00	0.00	2237.14
4	RA1A	0.00	0.00	-1424.87	0.00	0.00	0.00	1110.46
		1.3E-01	0.00	-1329.04	0.00	0.00	0.00	1282.62
		2.5E-01	0.00	-1228.84	0.00	0.00	0.00	1442.54
		3.8E-01	0.00	-1124.26	0.00	0.00	0.00	1589.65
		5.0E-01	0.00	-1015.30	0.00	0.00	0.00	1723.42
4	RA2A	0.00	0.00	-1424.87	0.00	0.00	0.00	1110.46
		1.3E-01	0.00	-1329.04	0.00	0.00	0.00	1282.62
		2.5E-01	0.00	-1228.84	0.00	0.00	0.00	1442.54
		3.8E-01	0.00	-1124.26	0.00	0.00	0.00	1589.65
		5.0E-01	0.00	-1015.30	0.00	0.00	0.00	1723.42
4	FR1A	0.00	0.00	-1316.39	0.00	0.00	0.00	1031.93
		1.3E-01	0.00	-1246.97	0.00	0.00	0.00	1192.19
		2.5E-01	0.00	-1173.17	0.00	0.00	0.00	1343.49
		3.8E-01	0.00	-1094.98	0.00	0.00	0.00	1485.29
		5.0E-01	0.00	-1012.42	0.00	0.00	0.00	1617.05
4	FR2A	0.00	0.00	-1316.39	0.00	0.00	0.00	1031.93
		1.3E-01	0.00	-1246.97	0.00	0.00	0.00	1192.19
		2.5E-01	0.00	-1173.17	0.00	0.00	0.00	1343.49
		3.8E-01	0.00	-1094.98	0.00	0.00	0.00	1485.29
		5.0E-01	0.00	-1012.42	0.00	0.00	0.00	1617.05
4	QPA	0.00	0.00	-1133.50	0.00	0.00	0.00	900.95
		1.3E-01	0.00	-1064.07	0.00	0.00	0.00	1038.34
		2.5E-01	0.00	-990.27	0.00	0.00	0.00	1166.79
		3.8E-01	0.00	-912.09	0.00	0.00	0.00	1285.73

LINEA AV/AC MILANO – GENOVA
 ATTRAVERSAMENTO E SISTEMAZIONE IDRAULICA RIO TRASTA
 RELAZIONE DI CALCOLO OPERE PROVVISORIALI

	5.0E-01	0.00	-829.53	0.00	0.00	0.00	1394.63
4	SISMICAL						
	0.00	3.12	-1299.29	0.00	0.00	0.00	1020.85
	1.3E-01	2.21	-1225.49	0.00	0.00	0.00	1178.69
	2.5E-01	1.29	-1147.31	0.00	0.00	0.00	1327.04
	3.8E-01	3.701E-01	-1064.75	0.00	0.00	0.00	1465.34
	5.0E-01	-5.479E-01	-977.81	0.00	0.00	0.00	1593.04
5	SLU1A						
	0.00	0.00	-2289.96	0.00	0.00	0.00	2445.67
	1.3E-01	0.00	-2128.64	0.00	0.00	0.00	2721.89
	2.5E-01	0.00	-1961.20	0.00	0.00	0.00	2977.57
	3.8E-01	0.00	-1787.62	0.00	0.00	0.00	3211.94
	5.0E-01	0.00	-1607.91	0.00	0.00	0.00	3424.22
5	SLU2A						
	0.00	0.00	-2210.02	0.00	0.00	0.00	2369.53
	1.3E-01	0.00	-2088.31	0.00	0.00	0.00	2638.24
	2.5E-01	0.00	-1960.46	0.00	0.00	0.00	2891.35
	3.8E-01	0.00	-1826.49	0.00	0.00	0.00	3128.10
	5.0E-01	0.00	-1686.38	0.00	0.00	0.00	3347.72
5	SLU3A						
	0.00	0.00	-2289.96	0.00	0.00	0.00	2445.67
	1.3E-01	0.00	-2128.64	0.00	0.00	0.00	2721.89
	2.5E-01	0.00	-1961.20	0.00	0.00	0.00	2977.57
	3.8E-01	0.00	-1787.62	0.00	0.00	0.00	3211.94
	5.0E-01	0.00	-1607.91	0.00	0.00	0.00	3424.22
5	SLU4A						
	0.00	0.00	-2201.88	0.00	0.00	0.00	2362.26
	1.3E-01	0.00	-2040.56	0.00	0.00	0.00	2627.47
	2.5E-01	0.00	-1873.12	0.00	0.00	0.00	2872.14
	3.8E-01	0.00	-1699.54	0.00	0.00	0.00	3095.50
	5.0E-01	0.00	-1519.83	0.00	0.00	0.00	3296.77
5	SLU5A						
	0.00	0.00	-2069.76	0.00	0.00	0.00	2237.14
	1.3E-01	0.00	-1908.44	0.00	0.00	0.00	2485.84
	2.5E-01	0.00	-1741.00	0.00	0.00	0.00	2714.00
	3.8E-01	0.00	-1567.42	0.00	0.00	0.00	2920.84
	5.0E-01	0.00	-1387.71	0.00	0.00	0.00	3105.60
5	RA1A						
	0.00	0.00	-1610.91	0.00	0.00	0.00	1723.42
	1.3E-01	0.00	-1497.57	0.00	0.00	0.00	1917.74
	2.5E-01	0.00	-1379.85	0.00	0.00	0.00	2097.63
	3.8E-01	0.00	-1257.75	0.00	0.00	0.00	2262.52
	5.0E-01	0.00	-1131.28	0.00	0.00	0.00	2411.88
5	RA2A						
	0.00	0.00	-1610.91	0.00	0.00	0.00	1723.42
	1.3E-01	0.00	-1497.57	0.00	0.00	0.00	1917.74
	2.5E-01	0.00	-1379.85	0.00	0.00	0.00	2097.63
	3.8E-01	0.00	-1257.75	0.00	0.00	0.00	2262.52
	5.0E-01	0.00	-1131.28	0.00	0.00	0.00	2411.88
5	FR1A						
	0.00	0.00	-1498.90	0.00	0.00	0.00	1617.05
	1.3E-01	0.00	-1411.96	0.00	0.00	0.00	1799.03
	2.5E-01	0.00	-1320.64	0.00	0.00	0.00	1969.86
	3.8E-01	0.00	-1224.94	0.00	0.00	0.00	2129.00
	5.0E-01	0.00	-1124.87	0.00	0.00	0.00	2275.91
5	FR2A						
	0.00	0.00	-1498.90	0.00	0.00	0.00	1617.05
	1.3E-01	0.00	-1411.96	0.00	0.00	0.00	1799.03
	2.5E-01	0.00	-1320.64	0.00	0.00	0.00	1969.86
	3.8E-01	0.00	-1224.94	0.00	0.00	0.00	2129.00
	5.0E-01	0.00	-1124.87	0.00	0.00	0.00	2275.91
5	QPA						
	0.00	0.00	-1264.02	0.00	0.00	0.00	1394.63
	1.3E-01	0.00	-1177.08	0.00	0.00	0.00	1547.24
	2.5E-01	0.00	-1085.76	0.00	0.00	0.00	1688.71
	3.8E-01	0.00	-990.06	0.00	0.00	0.00	1818.50
	5.0E-01	0.00	-889.98	0.00	0.00	0.00	1936.05
5	SISMICAL						
	0.00	2.99	-1471.38	0.00	0.00	0.00	1593.04
	1.3E-01	2.07	-1380.06	0.00	0.00	0.00	1771.30
	2.5E-01	1.15	-1284.36	0.00	0.00	0.00	1937.88
	3.8E-01	2.332E-01	-1184.29	0.00	0.00	0.00	2092.21
	5.0E-01	-6.847E-01	-1079.83	0.00	0.00	0.00	2233.77
6	SLU1A						
	0.00	0.00	-2479.20	0.00	0.00	0.00	3424.22
	1.3E-01	0.00	-2293.36	0.00	0.00	0.00	3722.57
	2.5E-01	0.00	-2101.39	0.00	0.00	0.00	3997.31
	3.8E-01	0.00	-1903.29	0.00	0.00	0.00	4247.66
	5.0E-01	0.00	-1699.06	0.00	0.00	0.00	4472.87
6	SLU2A						
	0.00	0.00	-2412.74	0.00	0.00	0.00	3347.72
	1.3E-01	0.00	-2266.50	0.00	0.00	0.00	3640.23
	2.5E-01	0.00	-2114.13	0.00	0.00	0.00	3914.09
	3.8E-01	0.00	-1955.64	0.00	0.00	0.00	4168.51
	5.0E-01	0.00	-1791.01	0.00	0.00	0.00	4402.74
6	SLU3A						
	0.00	0.00	-2479.20	0.00	0.00	0.00	3424.22
	1.3E-01	0.00	-2293.36	0.00	0.00	0.00	3722.57

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	2.5E-01	0.00	-2101.39	0.00	0.00	0.00	3997.31
	3.8E-01	0.00	-1903.29	0.00	0.00	0.00	4247.66
	5.0E-01	0.00	-1699.06	0.00	0.00	0.00	4472.87
6	SLU4A						
	0.00	0.00	-2370.66	0.00	0.00	0.00	3296.77
	1.3E-01	0.00	-2184.83	0.00	0.00	0.00	3581.55
	2.5E-01	0.00	-1992.86	0.00	0.00	0.00	3842.72
	3.8E-01	0.00	-1794.76	0.00	0.00	0.00	4079.51
	5.0E-01	0.00	-1590.53	0.00	0.00	0.00	4291.16
6	SLU5A						
	0.00	0.00	-2207.87	0.00	0.00	0.00	3105.60
	1.3E-01	0.00	-2022.03	0.00	0.00	0.00	3370.03
	2.5E-01	0.00	-1830.06	0.00	0.00	0.00	3610.85
	3.8E-01	0.00	-1631.96	0.00	0.00	0.00	3827.29
	5.0E-01	0.00	-1427.74	0.00	0.00	0.00	4018.58
6	RA1A						
	0.00	0.00	-1741.85	0.00	0.00	0.00	2411.88
	1.3E-01	0.00	-1610.99	0.00	0.00	0.00	2621.48
	2.5E-01	0.00	-1475.76	0.00	0.00	0.00	2814.45
	3.8E-01	0.00	-1336.15	0.00	0.00	0.00	2990.24
	5.0E-01	0.00	-1192.16	0.00	0.00	0.00	3148.30
6	RA2A						
	0.00	0.00	-1741.85	0.00	0.00	0.00	2411.88
	1.3E-01	0.00	-1610.99	0.00	0.00	0.00	2621.48
	2.5E-01	0.00	-1475.76	0.00	0.00	0.00	2814.45
	3.8E-01	0.00	-1336.15	0.00	0.00	0.00	2990.24
	5.0E-01	0.00	-1192.16	0.00	0.00	0.00	3148.30
6	FR1A						
	0.00	0.00	-1625.19	0.00	0.00	0.00	2275.91
	1.3E-01	0.00	-1520.74	0.00	0.00	0.00	2472.58
	2.5E-01	0.00	-1411.90	0.00	0.00	0.00	2655.91
	3.8E-01	0.00	-1298.69	0.00	0.00	0.00	2825.37
	5.0E-01	0.00	-1181.10	0.00	0.00	0.00	2980.40
6	FR2A						
	0.00	0.00	-1625.19	0.00	0.00	0.00	2275.91
	1.3E-01	0.00	-1520.74	0.00	0.00	0.00	2472.58
	2.5E-01	0.00	-1411.90	0.00	0.00	0.00	2655.91
	3.8E-01	0.00	-1298.69	0.00	0.00	0.00	2825.37
	5.0E-01	0.00	-1181.10	0.00	0.00	0.00	2980.40
6	QPA						
	0.00	0.00	-1335.77	0.00	0.00	0.00	1936.05
	1.3E-01	0.00	-1231.32	0.00	0.00	0.00	2096.54
	2.5E-01	0.00	-1122.48	0.00	0.00	0.00	2243.69
	3.8E-01	0.00	-1009.27	0.00	0.00	0.00	2376.97
	5.0E-01	0.00	-891.68	0.00	0.00	0.00	2495.83
6	SISMICAL						
	0.00	2.85	-1586.54	0.00	0.00	0.00	2233.77
	1.3E-01	1.93	-1477.70	0.00	0.00	0.00	2425.33
	2.5E-01	1.01	-1364.49	0.00	0.00	0.00	2603.01
	3.8E-01	9.636E-02	-1246.90	0.00	0.00	0.00	2766.27
	5.0E-01	-8.216E-01	-1124.93	0.00	0.00	0.00	2914.55
7	SLU1A						
	0.00	0.00	-2591.45	0.00	0.00	0.00	4472.87
	1.3E-01	0.00	-2344.34	0.00	0.00	0.00	4781.42
	2.5E-01	0.00	-2091.10	0.00	0.00	0.00	5058.70
	3.8E-01	0.00	-1831.73	0.00	0.00	0.00	5303.94
	5.0E-01	0.00	-1566.23	0.00	0.00	0.00	5516.38
7	SLU2A						
	0.00	0.00	-2537.77	0.00	0.00	0.00	4402.74
	1.3E-01	0.00	-2330.26	0.00	0.00	0.00	4707.06
	2.5E-01	0.00	-2116.62	0.00	0.00	0.00	4985.05
	3.8E-01	0.00	-1896.85	0.00	0.00	0.00	5235.96
	5.0E-01	0.00	-1670.95	0.00	0.00	0.00	5459.01
7	SLU3A						
	0.00	0.00	-2591.45	0.00	0.00	0.00	4472.87
	1.3E-01	0.00	-2344.34	0.00	0.00	0.00	4781.42
	2.5E-01	0.00	-2091.10	0.00	0.00	0.00	5058.70
	3.8E-01	0.00	-1831.73	0.00	0.00	0.00	5303.94
	5.0E-01	0.00	-1566.23	0.00	0.00	0.00	5516.38
7	SLU4A						
	0.00	0.00	-2461.50	0.00	0.00	0.00	4291.16
	1.3E-01	0.00	-2221.74	0.00	0.00	0.00	4583.92
	2.5E-01	0.00	-1975.86	0.00	0.00	0.00	4846.34
	3.8E-01	0.00	-1723.84	0.00	0.00	0.00	5077.63
	5.0E-01	0.00	-1465.69	0.00	0.00	0.00	5277.04
7	SLU5A						
	0.00	0.00	-2266.59	0.00	0.00	0.00	4018.58
	1.3E-01	0.00	-2037.86	0.00	0.00	0.00	4287.68
	2.5E-01	0.00	-1802.99	0.00	0.00	0.00	4527.79
	3.8E-01	0.00	-1562.00	0.00	0.00	0.00	4738.17
	5.0E-01	0.00	-1314.87	0.00	0.00	0.00	4918.04
7	RA1A						
	0.00	0.00	-1817.54	0.00	0.00	0.00	3148.30
	1.3E-01	0.00	-1644.67	0.00	0.00	0.00	3364.74
	2.5E-01	0.00	-1467.42	0.00	0.00	0.00	3559.29
	3.8E-01	0.00	-1285.79	0.00	0.00	0.00	3731.41
	5.0E-01	0.00	-1099.78	0.00	0.00	0.00	3880.55
7	RA2A						
	0.00	0.00	-1817.54	0.00	0.00	0.00	3148.30

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	1.3E-01	0.00	-1644.67	0.00	0.00	0.00	3364.74
	2.5E-01	0.00	-1467.42	0.00	0.00	0.00	3559.29
	3.8E-01	0.00	-1285.79	0.00	0.00	0.00	3731.41
	5.0E-01	0.00	-1099.78	0.00	0.00	0.00	3880.55
7	FR1A						
	0.00	0.00	-1695.13	0.00	0.00	0.00	2980.40
	1.3E-01	0.00	-1553.56	0.00	0.00	0.00	3183.49
	2.5E-01	0.00	-1407.61	0.00	0.00	0.00	3368.61
	3.8E-01	0.00	-1257.28	0.00	0.00	0.00	3535.21
	5.0E-01	0.00	-1102.57	0.00	0.00	0.00	3682.75
7	FR2A						
	0.00	0.00	-1695.13	0.00	0.00	0.00	2980.40
	1.3E-01	0.00	-1553.56	0.00	0.00	0.00	3183.49
	2.5E-01	0.00	-1407.61	0.00	0.00	0.00	3368.61
	3.8E-01	0.00	-1257.28	0.00	0.00	0.00	3535.21
	5.0E-01	0.00	-1102.57	0.00	0.00	0.00	3682.75
7	QPA						
	0.00	0.00	-1348.62	0.00	0.00	0.00	2495.83
	1.3E-01	0.00	-1226.64	0.00	0.00	0.00	2656.83
	2.5E-01	0.00	-1100.29	0.00	0.00	0.00	2802.31
	3.8E-01	0.00	-969.57	0.00	0.00	0.00	2931.72
	5.0E-01	0.00	-834.46	0.00	0.00	0.00	3044.52
7	SISMICAL						
	0.00	2.71	-1644.62	0.00	0.00	0.00	2914.55
	1.3E-01	1.80	-1499.62	0.00	0.00	0.00	3111.11
	2.5E-01	8.775E-01	-1350.24	0.00	0.00	0.00	3289.27
	3.8E-01	-4.048E-02	-1196.48	0.00	0.00	0.00	3448.49
	5.0E-01	-9.584E-01	-1038.34	0.00	0.00	0.00	3588.21
8	SLU1A						
	0.00	0.00	-2479.28	0.00	0.00	0.00	5516.38
	1.3E-01	0.00	-2207.65	0.00	0.00	0.00	5809.37
	2.5E-01	0.00	-1929.89	0.00	0.00	0.00	6068.03
	3.8E-01	0.00	-1645.99	0.00	0.00	0.00	6291.59
	5.0E-01	0.00	-1355.97	0.00	0.00	0.00	6479.28
8	SLU2A						
	0.00	0.00	-2437.70	0.00	0.00	0.00	5459.01
	1.3E-01	0.00	-2205.67	0.00	0.00	0.00	5749.28
	2.5E-01	0.00	-1967.51	0.00	0.00	0.00	6010.17
	3.8E-01	0.00	-1723.22	0.00	0.00	0.00	6240.90
	5.0E-01	0.00	-1472.80	0.00	0.00	0.00	6440.72
8	SLU3A						
	0.00	0.00	-2479.28	0.00	0.00	0.00	5516.38
	1.3E-01	0.00	-2207.65	0.00	0.00	0.00	5809.37
	2.5E-01	0.00	-1929.89	0.00	0.00	0.00	6068.03
	3.8E-01	0.00	-1645.99	0.00	0.00	0.00	6291.59
	5.0E-01	0.00	-1355.97	0.00	0.00	0.00	6479.28
8	SLU4A						
	0.00	0.00	-2356.38	0.00	0.00	0.00	5277.04
	1.3E-01	0.00	-2092.10	0.00	0.00	0.00	5555.13
	2.5E-01	0.00	-1821.69	0.00	0.00	0.00	5799.81
	3.8E-01	0.00	-1545.14	0.00	0.00	0.00	6010.30
	5.0E-01	0.00	-1262.47	0.00	0.00	0.00	6185.84
8	SLU5A						
	0.00	0.00	-2172.03	0.00	0.00	0.00	4918.04
	1.3E-01	0.00	-1918.77	0.00	0.00	0.00	5173.78
	2.5E-01	0.00	-1659.39	0.00	0.00	0.00	5397.47
	3.8E-01	0.00	-1393.87	0.00	0.00	0.00	5588.37
	5.0E-01	0.00	-1122.22	0.00	0.00	0.00	5745.69
8	RA1A						
	0.00	0.00	-1739.67	0.00	0.00	0.00	3880.55
	1.3E-01	0.00	-1549.28	0.00	0.00	0.00	4086.16
	2.5E-01	0.00	-1354.52	0.00	0.00	0.00	4267.69
	3.8E-01	0.00	-1155.38	0.00	0.00	0.00	4424.61
	5.0E-01	0.00	-951.85	0.00	0.00	0.00	4556.35
8	RA2A						
	0.00	0.00	-1739.67	0.00	0.00	0.00	3880.55
	1.3E-01	0.00	-1549.28	0.00	0.00	0.00	4086.16
	2.5E-01	0.00	-1354.52	0.00	0.00	0.00	4267.69
	3.8E-01	0.00	-1155.38	0.00	0.00	0.00	4424.61
	5.0E-01	0.00	-951.85	0.00	0.00	0.00	4556.35
8	FR1A						
	0.00	0.00	-1630.02	0.00	0.00	0.00	3682.75
	1.3E-01	0.00	-1470.94	0.00	0.00	0.00	3876.60
	2.5E-01	0.00	-1307.47	0.00	0.00	0.00	4050.30
	3.8E-01	0.00	-1139.63	0.00	0.00	0.00	4203.29
	5.0E-01	0.00	-967.40	0.00	0.00	0.00	4335.02
8	FR2A						
	0.00	0.00	-1630.02	0.00	0.00	0.00	3682.75
	1.3E-01	0.00	-1470.94	0.00	0.00	0.00	3876.60
	2.5E-01	0.00	-1307.47	0.00	0.00	0.00	4050.30
	3.8E-01	0.00	-1139.63	0.00	0.00	0.00	4203.29
	5.0E-01	0.00	-967.40	0.00	0.00	0.00	4335.02
8	QPA						
	0.00	0.00	-1302.29	0.00	0.00	0.00	3044.52
	1.3E-01	0.00	-1162.80	0.00	0.00	0.00	3198.63
	2.5E-01	0.00	-1018.94	0.00	0.00	0.00	3335.04
	3.8E-01	0.00	-870.69	0.00	0.00	0.00	3453.18
	5.0E-01	0.00	-718.07	0.00	0.00	0.00	3552.53
8	SISMICAL						

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	0.00	2.58	-1570.74	0.00	0.00	0.00	3588.21
	1.3E-01	1.66	-1408.22	0.00	0.00	0.00	3774.44
	2.5E-01	7.407E-01	-1241.32	0.00	0.00	0.00	3940.08
	3.8E-01	-1.773E-01	-1070.05	0.00	0.00	0.00	4084.59
	5.0E-01	-1.10	-894.40	0.00	0.00	0.00	4207.41
9	SLU1A						
	0.00	0.00	-2289.05	0.00	0.00	0.00	6479.28
	1.0E-02	0.00	-2265.60	0.00	0.00	0.00	6502.05
	2.0E-02	0.00	-2242.15	0.00	0.00	0.00	6524.59
	3.0E-02	0.00	-2218.70	0.00	0.00	0.00	6546.89
	4.0E-02	0.00	-2195.26	0.00	0.00	0.00	6568.96
9	SLU2A						
	0.00	0.00	-2258.91	0.00	0.00	0.00	6440.72
	1.0E-02	0.00	-2238.63	0.00	0.00	0.00	6463.21
	2.0E-02	0.00	-2218.35	0.00	0.00	0.00	6485.49
	3.0E-02	0.00	-2198.07	0.00	0.00	0.00	6507.57
	4.0E-02	0.00	-2177.79	0.00	0.00	0.00	6529.45
9	SLU3A						
	0.00	0.00	-2289.05	0.00	0.00	0.00	6479.28
	1.0E-02	0.00	-2265.60	0.00	0.00	0.00	6502.05
	2.0E-02	0.00	-2242.15	0.00	0.00	0.00	6524.59
	3.0E-02	0.00	-2218.70	0.00	0.00	0.00	6546.89
	4.0E-02	0.00	-2195.26	0.00	0.00	0.00	6568.96
9	SLU4A						
	0.00	0.00	-2172.27	0.00	0.00	0.00	6185.84
	1.0E-02	0.00	-2149.41	0.00	0.00	0.00	6207.45
	2.0E-02	0.00	-2126.55	0.00	0.00	0.00	6228.83
	3.0E-02	0.00	-2103.69	0.00	0.00	0.00	6249.98
	4.0E-02	0.00	-2080.83	0.00	0.00	0.00	6270.90
9	SLU5A						
	0.00	0.00	-1997.11	0.00	0.00	0.00	5745.69
	1.0E-02	0.00	-1975.13	0.00	0.00	0.00	5765.55
	2.0E-02	0.00	-1953.15	0.00	0.00	0.00	5785.19
	3.0E-02	0.00	-1931.17	0.00	0.00	0.00	5804.61
	4.0E-02	0.00	-1909.19	0.00	0.00	0.00	5823.81
9	RA1A						
	0.00	0.00	-1605.80	0.00	0.00	0.00	4556.35
	1.0E-02	0.00	-1589.34	0.00	0.00	0.00	4572.33
	2.0E-02	0.00	-1572.88	0.00	0.00	0.00	4588.14
	3.0E-02	0.00	-1556.42	0.00	0.00	0.00	4603.79
	4.0E-02	0.00	-1539.96	0.00	0.00	0.00	4619.27
9	RA2A						
	0.00	0.00	-1605.80	0.00	0.00	0.00	4556.35
	1.0E-02	0.00	-1589.34	0.00	0.00	0.00	4572.33
	2.0E-02	0.00	-1572.88	0.00	0.00	0.00	4588.14
	3.0E-02	0.00	-1556.42	0.00	0.00	0.00	4603.79
	4.0E-02	0.00	-1539.96	0.00	0.00	0.00	4619.27
9	FR1A						
	0.00	0.00	-1507.85	0.00	0.00	0.00	4335.02
	1.0E-02	0.00	-1493.90	0.00	0.00	0.00	4350.03
	2.0E-02	0.00	-1479.95	0.00	0.00	0.00	4364.90
	3.0E-02	0.00	-1465.99	0.00	0.00	0.00	4379.63
	4.0E-02	0.00	-1452.04	0.00	0.00	0.00	4394.22
9	FR2A						
	0.00	0.00	-1507.85	0.00	0.00	0.00	4335.02
	1.0E-02	0.00	-1493.90	0.00	0.00	0.00	4350.03
	2.0E-02	0.00	-1479.95	0.00	0.00	0.00	4364.90
	3.0E-02	0.00	-1465.99	0.00	0.00	0.00	4379.63
	4.0E-02	0.00	-1452.04	0.00	0.00	0.00	4394.22
9	QPA						
	0.00	0.00	-1196.45	0.00	0.00	0.00	3552.53
	1.0E-02	0.00	-1184.06	0.00	0.00	0.00	3564.43
	2.0E-02	0.00	-1171.67	0.00	0.00	0.00	3576.21
	3.0E-02	0.00	-1159.29	0.00	0.00	0.00	3587.86
	4.0E-02	0.00	-1146.90	0.00	0.00	0.00	3599.39
9	SISMICAL						
	0.00	2.44	-1439.07	0.00	0.00	0.00	4207.41
	1.0E-02	2.37	-1424.84	0.00	0.00	0.00	4221.73
	2.0E-02	2.29	-1410.61	0.00	0.00	0.00	4235.91
	3.0E-02	2.22	-1396.38	0.00	0.00	0.00	4249.95
	4.0E-02	2.15	-1382.15	0.00	0.00	0.00	4263.84
10	SLU1A						
	0.00	0.00	-3129.93	0.00	0.00	0.00	6568.96
	1.1E-01	0.00	-2860.27	0.00	0.00	0.00	6913.40
	2.3E-01	0.00	-2590.61	0.00	0.00	0.00	7226.83
	3.4E-01	0.00	-2320.95	0.00	0.00	0.00	7509.24
	4.6E-01	0.00	-2051.29	0.00	0.00	0.00	7760.64
10	SLU2A						
	0.00	0.00	-2965.45	0.00	0.00	0.00	6529.45
	1.1E-01	0.00	-2732.22	0.00	0.00	0.00	6857.07
	2.3E-01	0.00	-2498.99	0.00	0.00	0.00	7157.86
	3.4E-01	0.00	-2265.76	0.00	0.00	0.00	7431.84
	4.6E-01	0.00	-2032.53	0.00	0.00	0.00	7678.99
10	SLU3A						
	0.00	0.00	-3129.93	0.00	0.00	0.00	6568.96
	1.1E-01	0.00	-2860.27	0.00	0.00	0.00	6913.40
	2.3E-01	0.00	-2590.61	0.00	0.00	0.00	7226.83
	3.4E-01	0.00	-2320.95	0.00	0.00	0.00	7509.24

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10	SLU4A	4.6E-01	0.00	-2051.29	0.00	0.00	0.00	7760.64
		0.00	0.00	-2992.15	0.00	0.00	0.00	6270.90
		1.1E-01	0.00	-2729.26	0.00	0.00	0.00	6599.88
		2.3E-01	0.00	-2466.36	0.00	0.00	0.00	6898.63
		3.4E-01	0.00	-2203.46	0.00	0.00	0.00	7167.15
		4.6E-01	0.00	-1940.56	0.00	0.00	0.00	7405.43
10	SLU5A	0.00	0.00	-2785.49	0.00	0.00	0.00	5823.81
		1.1E-01	0.00	-2532.74	0.00	0.00	0.00	6129.61
		2.3E-01	0.00	-2279.98	0.00	0.00	0.00	6406.34
		3.4E-01	0.00	-2027.23	0.00	0.00	0.00	6654.01
		4.6E-01	0.00	-1774.47	0.00	0.00	0.00	6872.60
10	RA1A	0.00	0.00	-2195.03	0.00	0.00	0.00	4619.27
		1.1E-01	0.00	-2005.76	0.00	0.00	0.00	4860.81
		2.3E-01	0.00	-1816.49	0.00	0.00	0.00	5080.59
		3.4E-01	0.00	-1627.22	0.00	0.00	0.00	5278.61
		4.6E-01	0.00	-1437.95	0.00	0.00	0.00	5454.85
10	RA2A	0.00	0.00	-2195.03	0.00	0.00	0.00	4619.27
		1.1E-01	0.00	-2005.76	0.00	0.00	0.00	4860.81
		2.3E-01	0.00	-1816.49	0.00	0.00	0.00	5080.59
		3.4E-01	0.00	-1627.22	0.00	0.00	0.00	5278.61
		4.6E-01	0.00	-1437.95	0.00	0.00	0.00	5454.85
10	FR1A	0.00	0.00	-1993.52	0.00	0.00	0.00	4394.22
		1.1E-01	0.00	-1833.05	0.00	0.00	0.00	4614.25
		2.3E-01	0.00	-1672.57	0.00	0.00	0.00	4815.82
		3.4E-01	0.00	-1512.10	0.00	0.00	0.00	4998.94
		4.6E-01	0.00	-1351.63	0.00	0.00	0.00	5163.61
10	FR2A	0.00	0.00	-1993.52	0.00	0.00	0.00	4394.22
		1.1E-01	0.00	-1833.05	0.00	0.00	0.00	4614.25
		2.3E-01	0.00	-1672.57	0.00	0.00	0.00	4815.82
		3.4E-01	0.00	-1512.10	0.00	0.00	0.00	4998.94
		4.6E-01	0.00	-1351.63	0.00	0.00	0.00	5163.61
10	QPA	0.00	0.00	-1626.12	0.00	0.00	0.00	3599.39
		1.1E-01	0.00	-1483.68	0.00	0.00	0.00	3778.21
		2.3E-01	0.00	-1341.24	0.00	0.00	0.00	3940.64
		3.4E-01	0.00	-1198.79	0.00	0.00	0.00	4086.69
		4.6E-01	0.00	-1056.35	0.00	0.00	0.00	4216.36
10	SISMICAL	0.00	5.68	-1927.80	0.00	0.00	0.00	4263.84
		1.1E-01	4.84	-1764.17	0.00	0.00	0.00	4476.13
		2.3E-01	3.99	-1600.54	0.00	0.00	0.00	4669.60
		3.4E-01	3.15	-1436.91	0.00	0.00	0.00	4844.25
		4.6E-01	2.30	-1273.28	0.00	0.00	0.00	5000.09
11	SLU1A	0.00	0.00	-3004.27	0.00	0.00	0.00	7760.64
		1.3E-01	0.00	-2711.16	0.00	0.00	0.00	8117.86
		2.5E-01	0.00	-2418.05	0.00	0.00	0.00	8438.43
		3.8E-01	0.00	-2124.94	0.00	0.00	0.00	8722.37
		5.0E-01	0.00	-1831.83	0.00	0.00	0.00	8969.67
11	SLU2A	0.00	0.00	-2837.79	0.00	0.00	0.00	7678.99
		1.3E-01	0.00	-2584.28	0.00	0.00	0.00	8017.87
		2.5E-01	0.00	-2330.77	0.00	0.00	0.00	8325.06
		3.8E-01	0.00	-2077.27	0.00	0.00	0.00	8600.56
		5.0E-01	0.00	-1823.76	0.00	0.00	0.00	8844.38
11	SLU3A	0.00	0.00	-3004.27	0.00	0.00	0.00	7760.64
		1.3E-01	0.00	-2711.16	0.00	0.00	0.00	8117.86
		2.5E-01	0.00	-2418.05	0.00	0.00	0.00	8438.43
		3.8E-01	0.00	-2124.94	0.00	0.00	0.00	8722.37
		5.0E-01	0.00	-1831.83	0.00	0.00	0.00	8969.67
11	SLU4A	0.00	0.00	-2869.36	0.00	0.00	0.00	7405.43
		1.3E-01	0.00	-2583.60	0.00	0.00	0.00	7746.24
		2.5E-01	0.00	-2297.84	0.00	0.00	0.00	8051.33
		3.8E-01	0.00	-2012.08	0.00	0.00	0.00	8320.70
		5.0E-01	0.00	-1726.32	0.00	0.00	0.00	8554.35
11	SLU5A	0.00	0.00	-2666.99	0.00	0.00	0.00	6872.60
		1.3E-01	0.00	-2392.26	0.00	0.00	0.00	7188.81
		2.5E-01	0.00	-2117.53	0.00	0.00	0.00	7470.67
		3.8E-01	0.00	-1842.79	0.00	0.00	0.00	7718.19
		5.0E-01	0.00	-1568.06	0.00	0.00	0.00	7931.37
11	RA1A	0.00	0.00	-2105.86	0.00	0.00	0.00	5454.85
		1.3E-01	0.00	-1900.13	0.00	0.00	0.00	5705.23
		2.5E-01	0.00	-1694.40	0.00	0.00	0.00	5929.89
		3.8E-01	0.00	-1488.67	0.00	0.00	0.00	6128.83
		5.0E-01	0.00	-1282.95	0.00	0.00	0.00	6302.05
11	RA2A	0.00	0.00	-2105.86	0.00	0.00	0.00	5454.85
		1.3E-01	0.00	-1900.13	0.00	0.00	0.00	5705.23
		2.5E-01	0.00	-1694.40	0.00	0.00	0.00	5929.89

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	3.8E-01	0.00	-1488.67	0.00	0.00	0.00	6128.83
	5.0E-01	0.00	-1282.95	0.00	0.00	0.00	6302.05
11	FR1A						
	0.00	0.00	-1904.93	0.00	0.00	0.00	5163.61
	1.3E-01	0.00	-1730.51	0.00	0.00	0.00	5390.82
	2.5E-01	0.00	-1556.08	0.00	0.00	0.00	5596.23
	3.8E-01	0.00	-1381.65	0.00	0.00	0.00	5779.84
	5.0E-01	0.00	-1207.22	0.00	0.00	0.00	5941.64
11	FR2A						
	0.00	0.00	-1904.93	0.00	0.00	0.00	5163.61
	1.3E-01	0.00	-1730.51	0.00	0.00	0.00	5390.82
	2.5E-01	0.00	-1556.08	0.00	0.00	0.00	5596.23
	3.8E-01	0.00	-1381.65	0.00	0.00	0.00	5779.84
	5.0E-01	0.00	-1207.22	0.00	0.00	0.00	5941.64
11	QPA						
	0.00	0.00	-1545.18	0.00	0.00	0.00	4216.36
	1.3E-01	0.00	-1390.35	0.00	0.00	0.00	4399.83
	2.5E-01	0.00	-1235.52	0.00	0.00	0.00	4563.95
	3.8E-01	0.00	-1080.69	0.00	0.00	0.00	4708.71
	5.0E-01	0.00	-925.87	0.00	0.00	0.00	4834.12
11	SISMICAL						
	0.00	5.84	-1830.10	0.00	0.00	0.00	5000.09
	1.3E-01	4.92	-1652.24	0.00	0.00	0.00	5217.73
	2.5E-01	4.00	-1474.38	0.00	0.00	0.00	5413.15
	3.8E-01	3.08	-1296.52	0.00	0.00	0.00	5586.33
	5.0E-01	2.17	-1118.67	0.00	0.00	0.00	5737.28
12	SLU1A						
	0.00	0.00	-2803.86	0.00	0.00	0.00	8969.67
	1.3E-01	0.00	-2510.75	0.00	0.00	0.00	9301.83
	2.5E-01	0.00	-2217.65	0.00	0.00	0.00	9597.36
	3.8E-01	0.00	-1924.54	0.00	0.00	0.00	9856.24
	5.0E-01	0.00	-1631.43	0.00	0.00	0.00	10078.49
12	SLU2A						
	0.00	0.00	-2647.33	0.00	0.00	0.00	8844.38
	1.3E-01	0.00	-2393.82	0.00	0.00	0.00	9159.45
	2.5E-01	0.00	-2140.31	0.00	0.00	0.00	9442.83
	3.8E-01	0.00	-1886.80	0.00	0.00	0.00	9694.52
	5.0E-01	0.00	-1633.29	0.00	0.00	0.00	9914.53
12	SLU3A						
	0.00	0.00	-2803.86	0.00	0.00	0.00	8969.67
	1.3E-01	0.00	-2510.75	0.00	0.00	0.00	9301.83
	2.5E-01	0.00	-2217.65	0.00	0.00	0.00	9597.36
	3.8E-01	0.00	-1924.54	0.00	0.00	0.00	9856.24
	5.0E-01	0.00	-1631.43	0.00	0.00	0.00	10078.49
12	SLU4A						
	0.00	0.00	-2673.30	0.00	0.00	0.00	8554.35
	1.3E-01	0.00	-2387.55	0.00	0.00	0.00	8870.65
	2.5E-01	0.00	-2101.79	0.00	0.00	0.00	9151.23
	3.8E-01	0.00	-1816.03	0.00	0.00	0.00	9396.10
	5.0E-01	0.00	-1530.27	0.00	0.00	0.00	9605.24
12	SLU5A						
	0.00	0.00	-2477.47	0.00	0.00	0.00	7931.37
	1.3E-01	0.00	-2202.73	0.00	0.00	0.00	8223.88
	2.5E-01	0.00	-1928.00	0.00	0.00	0.00	8482.05
	3.8E-01	0.00	-1653.27	0.00	0.00	0.00	8705.88
	5.0E-01	0.00	-1378.53	0.00	0.00	0.00	8895.37
12	RA1A						
	0.00	0.00	-1964.22	0.00	0.00	0.00	6302.05
	1.3E-01	0.00	-1758.49	0.00	0.00	0.00	6534.72
	2.5E-01	0.00	-1552.76	0.00	0.00	0.00	6741.68
	3.8E-01	0.00	-1347.04	0.00	0.00	0.00	6922.91
	5.0E-01	0.00	-1141.31	0.00	0.00	0.00	7078.44
12	RA2A						
	0.00	0.00	-1964.22	0.00	0.00	0.00	6302.05
	1.3E-01	0.00	-1758.49	0.00	0.00	0.00	6534.72
	2.5E-01	0.00	-1552.76	0.00	0.00	0.00	6741.68
	3.8E-01	0.00	-1347.04	0.00	0.00	0.00	6922.91
	5.0E-01	0.00	-1141.31	0.00	0.00	0.00	7078.44
12	FR1A						
	0.00	0.00	-1772.82	0.00	0.00	0.00	5941.64
	1.3E-01	0.00	-1598.39	0.00	0.00	0.00	6152.35
	2.5E-01	0.00	-1423.97	0.00	0.00	0.00	6341.24
	3.8E-01	0.00	-1249.54	0.00	0.00	0.00	6508.34
	5.0E-01	0.00	-1075.11	0.00	0.00	0.00	6653.63
12	FR2A						
	0.00	0.00	-1772.82	0.00	0.00	0.00	5941.64
	1.3E-01	0.00	-1598.39	0.00	0.00	0.00	6152.35
	2.5E-01	0.00	-1423.97	0.00	0.00	0.00	6341.24
	3.8E-01	0.00	-1249.54	0.00	0.00	0.00	6508.34
	5.0E-01	0.00	-1075.11	0.00	0.00	0.00	6653.63
12	QPA						
	0.00	0.00	-1424.67	0.00	0.00	0.00	4834.12
	1.3E-01	0.00	-1269.84	0.00	0.00	0.00	5002.53
	2.5E-01	0.00	-1115.01	0.00	0.00	0.00	5151.58
	3.8E-01	0.00	-960.18	0.00	0.00	0.00	5281.28
	5.0E-01	0.00	-805.36	0.00	0.00	0.00	5391.63
12	SISMICAL						
	0.00	5.70	-1687.07	0.00	0.00	0.00	5737.28
	1.3E-01	4.78	-1509.21	0.00	0.00	0.00	5937.05

LINEA AV/AC MILANO – GENOVA
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	2.5E-01	3.87	-1331.35	0.00	0.00	0.00	6114.58
	3.8E-01	2.95	-1153.50	0.00	0.00	0.00	6269.88
	5.0E-01	2.03	-975.64	0.00	0.00	0.00	6402.95
13	SLU1A						
	0.00	0.00	-2621.52	0.00	0.00	0.00	10078.49
	1.3E-01	0.00	-2328.41	0.00	0.00	0.00	10387.86
	2.5E-01	0.00	-2035.30	0.00	0.00	0.00	10660.59
	3.8E-01	0.00	-1742.20	0.00	0.00	0.00	10896.69
	5.0E-01	0.00	-1449.09	0.00	0.00	0.00	11096.14
13	SLU2A						
	0.00	0.00	-2474.19	0.00	0.00	0.00	9914.53
	1.3E-01	0.00	-2220.69	0.00	0.00	0.00	10207.96
	2.5E-01	0.00	-1967.18	0.00	0.00	0.00	10469.70
	3.8E-01	0.00	-1713.67	0.00	0.00	0.00	10699.75
	5.0E-01	0.00	-1460.16	0.00	0.00	0.00	10898.12
13	SLU3A						
	0.00	0.00	-2621.52	0.00	0.00	0.00	10078.49
	1.3E-01	0.00	-2328.41	0.00	0.00	0.00	10387.86
	2.5E-01	0.00	-2035.30	0.00	0.00	0.00	10660.59
	3.8E-01	0.00	-1742.20	0.00	0.00	0.00	10896.69
	5.0E-01	0.00	-1449.09	0.00	0.00	0.00	11096.14
13	SLU4A						
	0.00	0.00	-2494.49	0.00	0.00	0.00	9605.24
	1.3E-01	0.00	-2208.73	0.00	0.00	0.00	9899.19
	2.5E-01	0.00	-1922.97	0.00	0.00	0.00	10157.42
	3.8E-01	0.00	-1637.21	0.00	0.00	0.00	10379.94
	5.0E-01	0.00	-1351.45	0.00	0.00	0.00	10566.73
13	SLU5A						
	0.00	0.00	-2303.94	0.00	0.00	0.00	8895.37
	1.3E-01	0.00	-2029.21	0.00	0.00	0.00	9166.19
	2.5E-01	0.00	-1754.47	0.00	0.00	0.00	9402.67
	3.8E-01	0.00	-1479.74	0.00	0.00	0.00	9604.81
	5.0E-01	0.00	-1205.01	0.00	0.00	0.00	9772.60
13	RA1A						
	0.00	0.00	-1835.25	0.00	0.00	0.00	7078.44
	1.3E-01	0.00	-1629.53	0.00	0.00	0.00	7294.98
	2.5E-01	0.00	-1423.80	0.00	0.00	0.00	7485.82
	3.8E-01	0.00	-1218.07	0.00	0.00	0.00	7650.93
	5.0E-01	0.00	-1012.34	0.00	0.00	0.00	7790.34
13	RA2A						
	0.00	0.00	-1835.25	0.00	0.00	0.00	7078.44
	1.3E-01	0.00	-1629.53	0.00	0.00	0.00	7294.98
	2.5E-01	0.00	-1423.80	0.00	0.00	0.00	7485.82
	3.8E-01	0.00	-1218.07	0.00	0.00	0.00	7650.93
	5.0E-01	0.00	-1012.34	0.00	0.00	0.00	7790.34
13	FR1A						
	0.00	0.00	-1652.35	0.00	0.00	0.00	6653.63
	1.3E-01	0.00	-1477.92	0.00	0.00	0.00	6849.27
	2.5E-01	0.00	-1303.49	0.00	0.00	0.00	7023.11
	3.8E-01	0.00	-1129.07	0.00	0.00	0.00	7175.14
	5.0E-01	0.00	-954.64	0.00	0.00	0.00	7305.37
13	FR2A						
	0.00	0.00	-1652.35	0.00	0.00	0.00	6653.63
	1.3E-01	0.00	-1477.92	0.00	0.00	0.00	6849.27
	2.5E-01	0.00	-1303.49	0.00	0.00	0.00	7023.11
	3.8E-01	0.00	-1129.07	0.00	0.00	0.00	7175.14
	5.0E-01	0.00	-954.64	0.00	0.00	0.00	7305.37
13	QPA						
	0.00	0.00	-1313.59	0.00	0.00	0.00	5391.63
	1.3E-01	0.00	-1158.77	0.00	0.00	0.00	5546.15
	2.5E-01	0.00	-1003.94	0.00	0.00	0.00	5681.32
	3.8E-01	0.00	-849.11	0.00	0.00	0.00	5797.14
	5.0E-01	0.00	-694.28	0.00	0.00	0.00	5893.60
13	SISMICAL						
	0.00	5.56	-1554.98	0.00	0.00	0.00	6402.95
	1.3E-01	4.65	-1377.12	0.00	0.00	0.00	6586.21
	2.5E-01	3.73	-1199.27	0.00	0.00	0.00	6747.24
	3.8E-01	2.81	-1021.41	0.00	0.00	0.00	6886.03
	5.0E-01	1.89	-843.55	0.00	0.00	0.00	7002.59
14	SLU1A						
	0.00	0.00	-2456.16	0.00	0.00	0.00	11096.14
	1.3E-01	0.00	-2163.05	0.00	0.00	0.00	11384.84
	2.5E-01	0.00	-1869.94	0.00	0.00	0.00	11636.90
	3.8E-01	0.00	-1576.83	0.00	0.00	0.00	11852.33
	5.0E-01	0.00	-1283.72	0.00	0.00	0.00	12031.11
14	SLU2A						
	0.00	0.00	-2317.34	0.00	0.00	0.00	10898.12
	1.3E-01	0.00	-2063.83	0.00	0.00	0.00	11171.94
	2.5E-01	0.00	-1810.32	0.00	0.00	0.00	11414.08
	3.8E-01	0.00	-1556.81	0.00	0.00	0.00	11624.52
	5.0E-01	0.00	-1303.30	0.00	0.00	0.00	11803.28
14	SLU3A						
	0.00	0.00	-2456.16	0.00	0.00	0.00	11096.14
	1.3E-01	0.00	-2163.05	0.00	0.00	0.00	11384.84
	2.5E-01	0.00	-1869.94	0.00	0.00	0.00	11636.90
	3.8E-01	0.00	-1576.83	0.00	0.00	0.00	11852.33
	5.0E-01	0.00	-1283.72	0.00	0.00	0.00	12031.11
14	SLU4A						

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		0.00	0.00	-2331.87	0.00	0.00	0.00	10566.73
		1.3E-01	0.00	-2046.11	0.00	0.00	0.00	10840.35
		2.5E-01	0.00	-1760.35	0.00	0.00	0.00	11078.25
		3.8E-01	0.00	-1474.60	0.00	0.00	0.00	11280.44
		5.0E-01	0.00	-1188.84	0.00	0.00	0.00	11446.90
14	SLU5A							
		0.00	0.00	-2145.44	0.00	0.00	0.00	9772.60
		1.3E-01	0.00	-1870.71	0.00	0.00	0.00	10023.61
		2.5E-01	0.00	-1595.98	0.00	0.00	0.00	10240.28
		3.8E-01	0.00	-1321.24	0.00	0.00	0.00	10422.61
		5.0E-01	0.00	-1046.51	0.00	0.00	0.00	10570.59
14	RA1A							
		0.00	0.00	-1718.20	0.00	0.00	0.00	7790.34
		1.3E-01	0.00	-1512.47	0.00	0.00	0.00	7992.25
		2.5E-01	0.00	-1306.74	0.00	0.00	0.00	8168.45
		3.8E-01	0.00	-1101.01	0.00	0.00	0.00	8318.94
		5.0E-01	0.00	-895.29	0.00	0.00	0.00	8443.71
14	RA2A							
		0.00	0.00	-1718.20	0.00	0.00	0.00	7790.34
		1.3E-01	0.00	-1512.47	0.00	0.00	0.00	7992.25
		2.5E-01	0.00	-1306.74	0.00	0.00	0.00	8168.45
		3.8E-01	0.00	-1101.01	0.00	0.00	0.00	8318.94
		5.0E-01	0.00	-895.29	0.00	0.00	0.00	8443.71
14	FR1A							
		0.00	0.00	-1542.79	0.00	0.00	0.00	7305.37
		1.3E-01	0.00	-1368.37	0.00	0.00	0.00	7487.32
		2.5E-01	0.00	-1193.94	0.00	0.00	0.00	7647.47
		3.8E-01	0.00	-1019.51	0.00	0.00	0.00	7785.81
		5.0E-01	0.00	-845.08	0.00	0.00	0.00	7902.34
14	FR2A							
		0.00	0.00	-1542.79	0.00	0.00	0.00	7305.37
		1.3E-01	0.00	-1368.37	0.00	0.00	0.00	7487.32
		2.5E-01	0.00	-1193.94	0.00	0.00	0.00	7647.47
		3.8E-01	0.00	-1019.51	0.00	0.00	0.00	7785.81
		5.0E-01	0.00	-845.08	0.00	0.00	0.00	7902.34
14	QPA							
		0.00	0.00	-1211.36	0.00	0.00	0.00	5893.60
		1.3E-01	0.00	-1056.54	0.00	0.00	0.00	6035.34
		2.5E-01	0.00	-901.71	0.00	0.00	0.00	6157.73
		3.8E-01	0.00	-746.88	0.00	0.00	0.00	6260.77
		5.0E-01	0.00	-592.05	0.00	0.00	0.00	6344.45
14	SISMICAL							
		0.00	5.43	-1433.13	0.00	0.00	0.00	7002.59
		1.3E-01	4.51	-1255.28	0.00	0.00	0.00	7170.61
		2.5E-01	3.59	-1077.42	0.00	0.00	0.00	7316.41
		3.8E-01	2.67	-899.56	0.00	0.00	0.00	7439.97
		5.0E-01	1.76	-721.70	0.00	0.00	0.00	7541.30
15	SLU1A							
		0.00	0.00	-2306.60	0.00	0.00	0.00	12031.11
		1.3E-01	0.00	-2013.49	0.00	0.00	0.00	12301.12
		2.5E-01	0.00	-1720.39	0.00	0.00	0.00	12534.49
		3.8E-01	0.00	-1427.28	0.00	0.00	0.00	12731.22
		5.0E-01	0.00	-1134.17	0.00	0.00	0.00	12891.31
15	SLU2A							
		0.00	0.00	-2175.61	0.00	0.00	0.00	11803.28
		1.3E-01	0.00	-1922.11	0.00	0.00	0.00	12059.39
		2.5E-01	0.00	-1668.60	0.00	0.00	0.00	12283.81
		3.8E-01	0.00	-1415.09	0.00	0.00	0.00	12476.54
		5.0E-01	0.00	-1161.58	0.00	0.00	0.00	12637.58
15	SLU3A							
		0.00	0.00	-2306.60	0.00	0.00	0.00	12031.11
		1.3E-01	0.00	-2013.49	0.00	0.00	0.00	12301.12
		2.5E-01	0.00	-1720.39	0.00	0.00	0.00	12534.49
		3.8E-01	0.00	-1427.28	0.00	0.00	0.00	12731.22
		5.0E-01	0.00	-1134.17	0.00	0.00	0.00	12891.31
15	SLU4A							
		0.00	0.00	-2184.34	0.00	0.00	0.00	11446.90
		1.3E-01	0.00	-1898.58	0.00	0.00	0.00	11702.09
		2.5E-01	0.00	-1612.82	0.00	0.00	0.00	11921.55
		3.8E-01	0.00	-1327.06	0.00	0.00	0.00	12105.29
		5.0E-01	0.00	-1041.30	0.00	0.00	0.00	12253.31
15	SLU5A							
		0.00	0.00	-2000.94	0.00	0.00	0.00	10570.59
		1.3E-01	0.00	-1726.21	0.00	0.00	0.00	10803.54
		2.5E-01	0.00	-1451.47	0.00	0.00	0.00	11002.14
		3.8E-01	0.00	-1176.74	0.00	0.00	0.00	11166.41
		5.0E-01	0.00	-902.01	0.00	0.00	0.00	11296.33
15	RA1A							
		0.00	0.00	-1612.23	0.00	0.00	0.00	8443.71
		1.3E-01	0.00	-1406.50	0.00	0.00	0.00	8632.38
		2.5E-01	0.00	-1200.77	0.00	0.00	0.00	8795.33
		3.8E-01	0.00	-995.04	0.00	0.00	0.00	8932.57
		5.0E-01	0.00	-789.32	0.00	0.00	0.00	9044.09
15	RA2A							
		0.00	0.00	-1612.23	0.00	0.00	0.00	8443.71
		1.3E-01	0.00	-1406.50	0.00	0.00	0.00	8632.38
		2.5E-01	0.00	-1200.77	0.00	0.00	0.00	8795.33
		3.8E-01	0.00	-995.04	0.00	0.00	0.00	8932.57
		5.0E-01	0.00	-789.32	0.00	0.00	0.00	9044.09

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15	FR1A	0.00	0.00	-1443.39	0.00	0.00	0.00	7902.34
		1.3E-01	0.00	-1268.96	0.00	0.00	0.00	8071.87
		2.5E-01	0.00	-1094.53	0.00	0.00	0.00	8219.58
		3.8E-01	0.00	-920.11	0.00	0.00	0.00	8345.50
		5.0E-01	0.00	-745.68	0.00	0.00	0.00	8449.61
15	FR2A	0.00	0.00	-1443.39	0.00	0.00	0.00	7902.34
		1.3E-01	0.00	-1268.96	0.00	0.00	0.00	8071.87
		2.5E-01	0.00	-1094.53	0.00	0.00	0.00	8219.58
		3.8E-01	0.00	-920.11	0.00	0.00	0.00	8345.50
		5.0E-01	0.00	-745.68	0.00	0.00	0.00	8449.61
15	QPA	0.00	0.00	-1117.35	0.00	0.00	0.00	6344.45
		1.3E-01	0.00	-962.52	0.00	0.00	0.00	6474.44
		2.5E-01	0.00	-807.69	0.00	0.00	0.00	6585.08
		3.8E-01	0.00	-652.87	0.00	0.00	0.00	6676.37
		5.0E-01	0.00	-498.04	0.00	0.00	0.00	6748.30
15	SISMICAL	0.00	5.29	-1320.78	0.00	0.00	0.00	7541.30
		1.3E-01	4.37	-1142.92	0.00	0.00	0.00	7695.28
		2.5E-01	3.46	-965.07	0.00	0.00	0.00	7827.03
		3.8E-01	2.54	-787.21	0.00	0.00	0.00	7936.55
		5.0E-01	1.62	-609.35	0.00	0.00	0.00	8023.83
16	SLU1A	0.00	0.00	-2171.62	0.00	0.00	0.00	12891.31
		1.3E-01	0.00	-1878.51	0.00	0.00	0.00	13144.44
		2.5E-01	0.00	-1585.40	0.00	0.00	0.00	13360.93
		3.8E-01	0.00	-1292.29	0.00	0.00	0.00	13540.79
		5.0E-01	0.00	-999.18	0.00	0.00	0.00	13684.01
16	SLU2A	0.00	0.00	-2047.81	0.00	0.00	0.00	12637.58
		1.3E-01	0.00	-1794.30	0.00	0.00	0.00	12877.71
		2.5E-01	0.00	-1540.79	0.00	0.00	0.00	13086.15
		3.8E-01	0.00	-1287.28	0.00	0.00	0.00	13262.91
		5.0E-01	0.00	-1033.77	0.00	0.00	0.00	13407.97
16	SLU3A	0.00	0.00	-2171.62	0.00	0.00	0.00	12891.31
		1.3E-01	0.00	-1878.51	0.00	0.00	0.00	13144.44
		2.5E-01	0.00	-1585.40	0.00	0.00	0.00	13360.93
		3.8E-01	0.00	-1292.29	0.00	0.00	0.00	13540.79
		5.0E-01	0.00	-999.18	0.00	0.00	0.00	13684.01
16	SLU4A	0.00	0.00	-2050.70	0.00	0.00	0.00	12253.31
		1.3E-01	0.00	-1764.94	0.00	0.00	0.00	12491.79
		2.5E-01	0.00	-1479.18	0.00	0.00	0.00	12694.55
		3.8E-01	0.00	-1193.43	0.00	0.00	0.00	12861.59
		5.0E-01	0.00	-907.67	0.00	0.00	0.00	12992.91
16	SLU5A	0.00	0.00	-1869.33	0.00	0.00	0.00	11296.33
		1.3E-01	0.00	-1594.59	0.00	0.00	0.00	11512.82
		2.5E-01	0.00	-1319.86	0.00	0.00	0.00	11694.98
		3.8E-01	0.00	-1045.13	0.00	0.00	0.00	11842.79
		5.0E-01	0.00	-770.39	0.00	0.00	0.00	11956.26
16	RA1A	0.00	0.00	-1516.47	0.00	0.00	0.00	9044.09
		1.3E-01	0.00	-1310.74	0.00	0.00	0.00	9220.79
		2.5E-01	0.00	-1105.02	0.00	0.00	0.00	9371.78
		3.8E-01	0.00	-899.29	0.00	0.00	0.00	9497.05
		5.0E-01	0.00	-693.56	0.00	0.00	0.00	9596.60
16	RA2A	0.00	0.00	-1516.47	0.00	0.00	0.00	9044.09
		1.3E-01	0.00	-1310.74	0.00	0.00	0.00	9220.79
		2.5E-01	0.00	-1105.02	0.00	0.00	0.00	9371.78
		3.8E-01	0.00	-899.29	0.00	0.00	0.00	9497.05
		5.0E-01	0.00	-693.56	0.00	0.00	0.00	9596.60
16	FR1A	0.00	0.00	-1353.32	0.00	0.00	0.00	8449.61
		1.3E-01	0.00	-1178.89	0.00	0.00	0.00	8607.87
		2.5E-01	0.00	-1004.46	0.00	0.00	0.00	8744.33
		3.8E-01	0.00	-830.04	0.00	0.00	0.00	8858.99
		5.0E-01	0.00	-655.61	0.00	0.00	0.00	8951.84
16	FR2A	0.00	0.00	-1353.32	0.00	0.00	0.00	8449.61
		1.3E-01	0.00	-1178.89	0.00	0.00	0.00	8607.87
		2.5E-01	0.00	-1004.46	0.00	0.00	0.00	8744.33
		3.8E-01	0.00	-830.04	0.00	0.00	0.00	8858.99
		5.0E-01	0.00	-655.61	0.00	0.00	0.00	8951.84
16	QPA	0.00	0.00	-1030.88	0.00	0.00	0.00	6748.30
		1.3E-01	0.00	-876.05	0.00	0.00	0.00	6867.48
		2.5E-01	0.00	-721.22	0.00	0.00	0.00	6967.31
		3.8E-01	0.00	-566.40	0.00	0.00	0.00	7047.79
		5.0E-01	0.00	-411.57	0.00	0.00	0.00	7108.91
16	SISMICAL	0.00	5.16	-1217.12	0.00	0.00	0.00	8023.83
		1.3E-01	4.24	-1039.27	0.00	0.00	0.00	8164.85
		2.5E-01	3.32	-861.41	0.00	0.00	0.00	8283.65
		3.8E-01	2.40	-683.55	0.00	0.00	0.00	8380.21

LINEA AV/AC MILANO – GENOVA
 ATTRAVERSAMENTO E SISTEMAZIONE IDRAULICA RIO TRASTA
 RELAZIONE DI CALCOLO OPERE PROVVISORIALI

	5.0E-01	1.48	-505.69	0.00	0.00	0.00	8454.53
17	SLU1A						
	0.00	0.00	-2049.89	0.00	0.00	0.00	13684.01
	1.3E-01	0.00	-1756.78	0.00	0.00	0.00	13921.92
	2.5E-01	0.00	-1463.67	0.00	0.00	0.00	14123.20
	3.8E-01	0.00	-1170.56	0.00	0.00	0.00	14287.84
	5.0E-01	0.00	-877.45	0.00	0.00	0.00	14415.84
17	SLU2A						
	0.00	0.00	-1932.64	0.00	0.00	0.00	13407.97
	1.3E-01	0.00	-1679.13	0.00	0.00	0.00	13633.71
	2.5E-01	0.00	-1425.62	0.00	0.00	0.00	13827.75
	3.8E-01	0.00	-1172.11	0.00	0.00	0.00	13990.11
	5.0E-01	0.00	-918.60	0.00	0.00	0.00	14120.78
17	SLU3A						
	0.00	0.00	-2049.89	0.00	0.00	0.00	13684.01
	1.3E-01	0.00	-1756.78	0.00	0.00	0.00	13921.92
	2.5E-01	0.00	-1463.67	0.00	0.00	0.00	14123.20
	3.8E-01	0.00	-1170.56	0.00	0.00	0.00	14287.84
	5.0E-01	0.00	-877.45	0.00	0.00	0.00	14415.84
17	SLU4A						
	0.00	0.00	-1929.71	0.00	0.00	0.00	12992.91
	1.3E-01	0.00	-1643.95	0.00	0.00	0.00	13216.26
	2.5E-01	0.00	-1358.19	0.00	0.00	0.00	13403.90
	3.8E-01	0.00	-1072.44	0.00	0.00	0.00	13555.81
	5.0E-01	0.00	-786.68	0.00	0.00	0.00	13672.00
17	SLU5A						
	0.00	0.00	-1749.45	0.00	0.00	0.00	11956.26
	1.3E-01	0.00	-1474.71	0.00	0.00	0.00	12157.77
	2.5E-01	0.00	-1199.98	0.00	0.00	0.00	12324.94
	3.8E-01	0.00	-925.25	0.00	0.00	0.00	12457.76
	5.0E-01	0.00	-650.51	0.00	0.00	0.00	12556.25
17	RA1A						
	0.00	0.00	-1430.01	0.00	0.00	0.00	9596.60
	1.3E-01	0.00	-1224.28	0.00	0.00	0.00	9762.49
	2.5E-01	0.00	-1018.55	0.00	0.00	0.00	9902.67
	3.8E-01	0.00	-812.83	0.00	0.00	0.00	10017.13
	5.0E-01	0.00	-607.10	0.00	0.00	0.00	10105.87
17	RA2A						
	0.00	0.00	-1430.01	0.00	0.00	0.00	9596.60
	1.3E-01	0.00	-1224.28	0.00	0.00	0.00	9762.49
	2.5E-01	0.00	-1018.55	0.00	0.00	0.00	9902.67
	3.8E-01	0.00	-812.83	0.00	0.00	0.00	10017.13
	5.0E-01	0.00	-607.10	0.00	0.00	0.00	10105.87
17	FR1A						
	0.00	0.00	-1271.72	0.00	0.00	0.00	8951.84
	1.3E-01	0.00	-1097.30	0.00	0.00	0.00	9099.91
	2.5E-01	0.00	-922.87	0.00	0.00	0.00	9226.17
	3.8E-01	0.00	-748.44	0.00	0.00	0.00	9330.62
	5.0E-01	0.00	-574.01	0.00	0.00	0.00	9413.28
17	FR2A						
	0.00	0.00	-1271.72	0.00	0.00	0.00	8951.84
	1.3E-01	0.00	-1097.30	0.00	0.00	0.00	9099.91
	2.5E-01	0.00	-922.87	0.00	0.00	0.00	9226.17
	3.8E-01	0.00	-748.44	0.00	0.00	0.00	9330.62
	5.0E-01	0.00	-574.01	0.00	0.00	0.00	9413.28
17	QPA						
	0.00	0.00	-951.26	0.00	0.00	0.00	7108.91
	1.3E-01	0.00	-796.43	0.00	0.00	0.00	7218.14
	2.5E-01	0.00	-641.60	0.00	0.00	0.00	7308.02
	3.8E-01	0.00	-486.77	0.00	0.00	0.00	7378.54
	5.0E-01	0.00	-331.95	0.00	0.00	0.00	7429.71
17	SISMICAL						
	0.00	5.02	-1121.33	0.00	0.00	0.00	8454.53
	1.3E-01	4.10	-943.48	0.00	0.00	0.00	8583.59
	2.5E-01	3.18	-765.62	0.00	0.00	0.00	8690.40
	3.8E-01	2.27	-587.76	0.00	0.00	0.00	8774.99
	5.0E-01	1.35	-409.90	0.00	0.00	0.00	8837.34
18	SLU1A						
	0.00	0.00	-1940.03	0.00	0.00	0.00	14415.84
	1.3E-01	0.00	-1646.92	0.00	0.00	0.00	14640.03
	2.5E-01	0.00	-1353.82	0.00	0.00	0.00	14827.57
	3.8E-01	0.00	-1060.71	0.00	0.00	0.00	14978.48
	5.0E-01	0.00	-767.60	0.00	0.00	0.00	15092.75
18	SLU2A						
	0.00	0.00	-1828.75	0.00	0.00	0.00	14120.78
	1.3E-01	0.00	-1575.24	0.00	0.00	0.00	14333.53
	2.5E-01	0.00	-1321.74	0.00	0.00	0.00	14514.59
	3.8E-01	0.00	-1068.23	0.00	0.00	0.00	14663.97
	5.0E-01	0.00	-814.72	0.00	0.00	0.00	14781.65
18	SLU3A						
	0.00	0.00	-1940.03	0.00	0.00	0.00	14415.84
	1.3E-01	0.00	-1646.92	0.00	0.00	0.00	14640.03
	2.5E-01	0.00	-1353.82	0.00	0.00	0.00	14827.57
	3.8E-01	0.00	-1060.71	0.00	0.00	0.00	14978.48
	5.0E-01	0.00	-767.60	0.00	0.00	0.00	15092.75
18	SLU4A						
	0.00	0.00	-1820.05	0.00	0.00	0.00	13672.00
	1.3E-01	0.00	-1534.29	0.00	0.00	0.00	13881.65

LINEA AV/AC MILANO – GENOVA
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	2.5E-01	0.00	-1248.54	0.00	0.00	0.00	14055.58
	3.8E-01	0.00	-962.78	0.00	0.00	0.00	14193.78
	5.0E-01	0.00	-677.02	0.00	0.00	0.00	14296.27
18	SLU5A						
	0.00	0.00	-1640.08	0.00	0.00	0.00	12556.25
	1.3E-01	0.00	-1365.35	0.00	0.00	0.00	12744.09
	2.5E-01	0.00	-1090.62	0.00	0.00	0.00	12897.59
	3.8E-01	0.00	-815.88	0.00	0.00	0.00	13016.74
	5.0E-01	0.00	-541.15	0.00	0.00	0.00	13101.56
18	RA1A						
	0.00	0.00	-1351.87	0.00	0.00	0.00	10105.87
	1.3E-01	0.00	-1146.14	0.00	0.00	0.00	10262.00
	2.5E-01	0.00	-940.42	0.00	0.00	0.00	10392.41
	3.8E-01	0.00	-734.69	0.00	0.00	0.00	10497.10
	5.0E-01	0.00	-528.96	0.00	0.00	0.00	10576.08
18	RA2A						
	0.00	0.00	-1351.87	0.00	0.00	0.00	10105.87
	1.3E-01	0.00	-1146.14	0.00	0.00	0.00	10262.00
	2.5E-01	0.00	-940.42	0.00	0.00	0.00	10392.41
	3.8E-01	0.00	-734.69	0.00	0.00	0.00	10497.10
	5.0E-01	0.00	-528.96	0.00	0.00	0.00	10576.08
18	FR1A						
	0.00	0.00	-1197.70	0.00	0.00	0.00	9413.28
	1.3E-01	0.00	-1023.27	0.00	0.00	0.00	9552.09
	2.5E-01	0.00	-848.84	0.00	0.00	0.00	9669.10
	3.8E-01	0.00	-674.42	0.00	0.00	0.00	9764.30
	5.0E-01	0.00	-499.99	0.00	0.00	0.00	9837.70
18	FR2A						
	0.00	0.00	-1197.70	0.00	0.00	0.00	9413.28
	1.3E-01	0.00	-1023.27	0.00	0.00	0.00	9552.09
	2.5E-01	0.00	-848.84	0.00	0.00	0.00	9669.10
	3.8E-01	0.00	-674.42	0.00	0.00	0.00	9764.30
	5.0E-01	0.00	-499.99	0.00	0.00	0.00	9837.70
18	QPA						
	0.00	0.00	-877.75	0.00	0.00	0.00	7429.71
	1.3E-01	0.00	-722.93	0.00	0.00	0.00	7529.75
	2.5E-01	0.00	-568.10	0.00	0.00	0.00	7610.44
	3.8E-01	0.00	-413.27	0.00	0.00	0.00	7671.78
	5.0E-01	0.00	-258.44	0.00	0.00	0.00	7713.76
18	SISMICAL						
	0.00	4.88	-1032.54	0.00	0.00	0.00	8837.34
	1.3E-01	3.97	-854.69	0.00	0.00	0.00	8955.30
	2.5E-01	3.05	-676.83	0.00	0.00	0.00	9051.02
	3.8E-01	2.13	-498.97	0.00	0.00	0.00	9124.50
	5.0E-01	1.21	-321.11	0.00	0.00	0.00	9175.76
19	SLU1A						
	0.00	0.00	-1840.62	0.00	0.00	0.00	15092.75
	1.3E-01	0.00	-1547.51	0.00	0.00	0.00	15304.51
	2.5E-01	0.00	-1254.40	0.00	0.00	0.00	15479.63
	3.8E-01	0.00	-961.29	0.00	0.00	0.00	15618.11
	5.0E-01	0.00	-668.19	0.00	0.00	0.00	15719.95
19	SLU2A						
	0.00	0.00	-1734.75	0.00	0.00	0.00	14781.65
	1.3E-01	0.00	-1481.25	0.00	0.00	0.00	14982.65
	2.5E-01	0.00	-1227.74	0.00	0.00	0.00	15151.96
	3.8E-01	0.00	-974.23	0.00	0.00	0.00	15289.58
	5.0E-01	0.00	-720.72	0.00	0.00	0.00	15395.52
19	SLU3A						
	0.00	0.00	-1840.62	0.00	0.00	0.00	15092.75
	1.3E-01	0.00	-1547.51	0.00	0.00	0.00	15304.51
	2.5E-01	0.00	-1254.40	0.00	0.00	0.00	15479.63
	3.8E-01	0.00	-961.29	0.00	0.00	0.00	15618.11
	5.0E-01	0.00	-668.19	0.00	0.00	0.00	15719.95
19	SLU4A						
	0.00	0.00	-1720.36	0.00	0.00	0.00	14296.27
	1.3E-01	0.00	-1434.60	0.00	0.00	0.00	14493.46
	2.5E-01	0.00	-1148.85	0.00	0.00	0.00	14654.92
	3.8E-01	0.00	-863.09	0.00	0.00	0.00	14780.67
	5.0E-01	0.00	-577.33	0.00	0.00	0.00	14870.69
19	SLU5A						
	0.00	0.00	-1539.98	0.00	0.00	0.00	13101.56
	1.3E-01	0.00	-1265.24	0.00	0.00	0.00	13276.88
	2.5E-01	0.00	-990.51	0.00	0.00	0.00	13417.87
	3.8E-01	0.00	-715.78	0.00	0.00	0.00	13524.51
	5.0E-01	0.00	-441.04	0.00	0.00	0.00	13596.81
19	RA1A						
	0.00	0.00	-1281.05	0.00	0.00	0.00	10576.08
	1.3E-01	0.00	-1075.33	0.00	0.00	0.00	10723.36
	2.5E-01	0.00	-869.60	0.00	0.00	0.00	10844.92
	3.8E-01	0.00	-663.87	0.00	0.00	0.00	10940.76
	5.0E-01	0.00	-458.14	0.00	0.00	0.00	11010.88
19	RA2A						
	0.00	0.00	-1281.05	0.00	0.00	0.00	10576.08
	1.3E-01	0.00	-1075.33	0.00	0.00	0.00	10723.36
	2.5E-01	0.00	-869.60	0.00	0.00	0.00	10844.92
	3.8E-01	0.00	-663.87	0.00	0.00	0.00	10940.76
	5.0E-01	0.00	-458.14	0.00	0.00	0.00	11010.88
19	FR1A						
	0.00	0.00	-1130.31	0.00	0.00	0.00	9837.70

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	1.3E-01	0.00	-955.88	0.00	0.00	0.00	9968.09
	2.5E-01	0.00	-781.45	0.00	0.00	0.00	10076.67
	3.8E-01	0.00	-607.02	0.00	0.00	0.00	10163.45
	5.0E-01	0.00	-432.60	0.00	0.00	0.00	10228.42
19	FR2A						
	0.00	0.00	-1130.31	0.00	0.00	0.00	9837.70
	1.3E-01	0.00	-955.88	0.00	0.00	0.00	9968.09
	2.5E-01	0.00	-781.45	0.00	0.00	0.00	10076.67
	3.8E-01	0.00	-607.02	0.00	0.00	0.00	10163.45
	5.0E-01	0.00	-432.60	0.00	0.00	0.00	10228.42
19	QPA						
	0.00	0.00	-809.62	0.00	0.00	0.00	7713.76
	1.3E-01	0.00	-654.79	0.00	0.00	0.00	7805.29
	2.5E-01	0.00	-499.97	0.00	0.00	0.00	7877.46
	3.8E-01	0.00	-345.14	0.00	0.00	0.00	7930.28
	5.0E-01	0.00	-190.31	0.00	0.00	0.00	7963.74
19	SISMICAL						
	0.00	4.75	-949.86	0.00	0.00	0.00	9175.76
	1.3E-01	3.83	-772.00	0.00	0.00	0.00	9283.37
	2.5E-01	2.91	-594.14	0.00	0.00	0.00	9368.76
	3.8E-01	1.99	-416.29	0.00	0.00	0.00	9431.91
	5.0E-01	1.08	-238.43	0.00	0.00	0.00	9472.83
20	SLU1A						
	0.00	0.00	-1750.16	0.00	0.00	0.00	15719.95
	1.3E-01	0.00	-1457.05	0.00	0.00	0.00	15920.40
	2.5E-01	0.00	-1163.94	0.00	0.00	0.00	16084.21
	3.8E-01	0.00	-870.83	0.00	0.00	0.00	16211.39
	5.0E-01	0.00	-577.72	0.00	0.00	0.00	16301.92
20	SLU2A						
	0.00	0.00	-1649.18	0.00	0.00	0.00	15395.52
	1.3E-01	0.00	-1395.68	0.00	0.00	0.00	15585.82
	2.5E-01	0.00	-1142.17	0.00	0.00	0.00	15744.44
	3.8E-01	0.00	-888.66	0.00	0.00	0.00	15871.36
	5.0E-01	0.00	-635.15	0.00	0.00	0.00	15966.60
20	SLU3A						
	0.00	0.00	-1750.16	0.00	0.00	0.00	15719.95
	1.3E-01	0.00	-1457.05	0.00	0.00	0.00	15920.40
	2.5E-01	0.00	-1163.94	0.00	0.00	0.00	16084.21
	3.8E-01	0.00	-870.83	0.00	0.00	0.00	16211.39
	5.0E-01	0.00	-577.72	0.00	0.00	0.00	16301.92
20	SLU4A						
	0.00	0.00	-1629.22	0.00	0.00	0.00	14870.69
	1.3E-01	0.00	-1343.46	0.00	0.00	0.00	15056.49
	2.5E-01	0.00	-1057.71	0.00	0.00	0.00	15206.56
	3.8E-01	0.00	-771.95	0.00	0.00	0.00	15320.91
	5.0E-01	0.00	-486.19	0.00	0.00	0.00	15399.55
20	SLU5A						
	0.00	0.00	-1447.82	0.00	0.00	0.00	13596.81
	1.3E-01	0.00	-1173.09	0.00	0.00	0.00	13760.62
	2.5E-01	0.00	-898.35	0.00	0.00	0.00	13890.08
	3.8E-01	0.00	-623.62	0.00	0.00	0.00	13985.21
	5.0E-01	0.00	-348.89	0.00	0.00	0.00	14045.99
20	RA1A						
	0.00	0.00	-1216.51	0.00	0.00	0.00	11010.88
	1.3E-01	0.00	-1010.78	0.00	0.00	0.00	11150.09
	2.5E-01	0.00	-805.06	0.00	0.00	0.00	11263.58
	3.8E-01	0.00	-599.33	0.00	0.00	0.00	11351.35
	5.0E-01	0.00	-393.60	0.00	0.00	0.00	11413.41
20	RA2A						
	0.00	0.00	-1216.51	0.00	0.00	0.00	11010.88
	1.3E-01	0.00	-1010.78	0.00	0.00	0.00	11150.09
	2.5E-01	0.00	-805.06	0.00	0.00	0.00	11263.58
	3.8E-01	0.00	-599.33	0.00	0.00	0.00	11351.35
	5.0E-01	0.00	-393.60	0.00	0.00	0.00	11413.41
20	FR1A						
	0.00	0.00	-1068.57	0.00	0.00	0.00	10228.42
	1.3E-01	0.00	-894.14	0.00	0.00	0.00	10351.09
	2.5E-01	0.00	-719.72	0.00	0.00	0.00	10451.96
	3.8E-01	0.00	-545.29	0.00	0.00	0.00	10531.02
	5.0E-01	0.00	-370.86	0.00	0.00	0.00	10588.28
20	FR2A						
	0.00	0.00	-1068.57	0.00	0.00	0.00	10228.42
	1.3E-01	0.00	-894.14	0.00	0.00	0.00	10351.09
	2.5E-01	0.00	-719.72	0.00	0.00	0.00	10451.96
	3.8E-01	0.00	-545.29	0.00	0.00	0.00	10531.02
	5.0E-01	0.00	-370.86	0.00	0.00	0.00	10588.28
20	QPA						
	0.00	0.00	-746.08	0.00	0.00	0.00	7963.74
	1.3E-01	0.00	-591.25	0.00	0.00	0.00	8047.33
	2.5E-01	0.00	-436.42	0.00	0.00	0.00	8111.56
	3.8E-01	0.00	-281.59	0.00	0.00	0.00	8156.43
	5.0E-01	0.00	-126.77	0.00	0.00	0.00	8181.96
20	SISMICAL						
	0.00	4.61	-872.35	0.00	0.00	0.00	9472.83
	1.3E-01	3.69	-694.50	0.00	0.00	0.00	9570.76
	2.5E-01	2.78	-516.64	0.00	0.00	0.00	9646.45
	3.8E-01	1.86	-338.78	0.00	0.00	0.00	9699.92
	5.0E-01	9.391E-01	-160.92	0.00	0.00	0.00	9731.15

LINEA AV/AC MILANO – GENOVA
 ATTRAVERSAMENTO E SISTEMAZIONE IDRAULICA RIO TRASTA
 RELAZIONE DI CALCOLO OPERE PROVVISORIALI

21	SLU1A	0.00	0.00	-1667.10	0.00	0.00	0.00	16301.92
		1.3E-01	0.00	-1333.57	0.00	0.00	0.00	16489.46
		2.5E-01	0.00	-1000.03	0.00	0.00	0.00	16635.31
		3.8E-01	0.00	-666.50	0.00	0.00	0.00	16739.47
		5.0E-01	0.00	-332.97	0.00	0.00	0.00	16801.94
21	SLU2A	0.00	0.00	-1570.53	0.00	0.00	0.00	15966.60
		1.3E-01	0.00	-1276.60	0.00	0.00	0.00	16144.55
		2.5E-01	0.00	-982.66	0.00	0.00	0.00	16285.75
		3.8E-01	0.00	-688.73	0.00	0.00	0.00	16390.21
		5.0E-01	0.00	-394.80	0.00	0.00	0.00	16457.93
21	SLU3A	0.00	0.00	-1667.10	0.00	0.00	0.00	16301.92
		1.3E-01	0.00	-1333.57	0.00	0.00	0.00	16489.46
		2.5E-01	0.00	-1000.03	0.00	0.00	0.00	16635.31
		3.8E-01	0.00	-666.50	0.00	0.00	0.00	16739.47
		5.0E-01	0.00	-332.97	0.00	0.00	0.00	16801.94
21	SLU4A	0.00	0.00	-1545.17	0.00	0.00	0.00	15399.55
		1.3E-01	0.00	-1227.07	0.00	0.00	0.00	15572.81
		2.5E-01	0.00	-908.97	0.00	0.00	0.00	15706.31
		3.8E-01	0.00	-590.87	0.00	0.00	0.00	15800.05
		5.0E-01	0.00	-272.77	0.00	0.00	0.00	15854.03
21	SLU5A	0.00	0.00	-1362.27	0.00	0.00	0.00	14045.99
		1.3E-01	0.00	-1067.32	0.00	0.00	0.00	14197.84
		2.5E-01	0.00	-772.37	0.00	0.00	0.00	14312.82
		3.8E-01	0.00	-477.43	0.00	0.00	0.00	14390.93
		5.0E-01	0.00	-182.48	0.00	0.00	0.00	14432.18
21	RA1A	0.00	0.00	-1157.16	0.00	0.00	0.00	11413.41
		1.3E-01	0.00	-924.48	0.00	0.00	0.00	11543.51
		2.5E-01	0.00	-691.80	0.00	0.00	0.00	11644.53
		3.8E-01	0.00	-459.12	0.00	0.00	0.00	11716.46
		5.0E-01	0.00	-226.45	0.00	0.00	0.00	11759.31
21	RA2A	0.00	0.00	-1157.16	0.00	0.00	0.00	11413.41
		1.3E-01	0.00	-924.48	0.00	0.00	0.00	11543.51
		2.5E-01	0.00	-691.80	0.00	0.00	0.00	11644.53
		3.8E-01	0.00	-459.12	0.00	0.00	0.00	11716.46
		5.0E-01	0.00	-226.45	0.00	0.00	0.00	11759.31
21	FR1A	0.00	0.00	-1011.49	0.00	0.00	0.00	10588.28
		1.3E-01	0.00	-815.50	0.00	0.00	0.00	10702.47
		2.5E-01	0.00	-619.51	0.00	0.00	0.00	10792.16
		3.8E-01	0.00	-423.52	0.00	0.00	0.00	10857.35
		5.0E-01	0.00	-227.54	0.00	0.00	0.00	10898.04
21	FR2A	0.00	0.00	-1011.49	0.00	0.00	0.00	10588.28
		1.3E-01	0.00	-815.50	0.00	0.00	0.00	10702.47
		2.5E-01	0.00	-619.51	0.00	0.00	0.00	10792.16
		3.8E-01	0.00	-423.52	0.00	0.00	0.00	10857.35
		5.0E-01	0.00	-227.54	0.00	0.00	0.00	10898.04
21	QPA	0.00	0.00	-686.33	0.00	0.00	0.00	8181.96
		1.3E-01	0.00	-531.50	0.00	0.00	0.00	8258.07
		2.5E-01	0.00	-376.67	0.00	0.00	0.00	8314.83
		3.8E-01	0.00	-221.85	0.00	0.00	0.00	8352.24
		5.0E-01	0.00	-67.02	0.00	0.00	0.00	8370.29
21	SISMICAL	0.00	4.47	-799.08	0.00	0.00	0.00	9731.15
		1.3E-01	3.56	-621.22	0.00	0.00	0.00	9819.92
		2.5E-01	2.64	-443.37	0.00	0.00	0.00	9886.46
		3.8E-01	1.72	-265.51	0.00	0.00	0.00	9930.76
		5.0E-01	8.031E-01	-87.65	0.00	0.00	0.00	9952.83
22	SLU1A	0.00	0.00	-1428.10	0.00	0.00	0.00	16801.94
		1.3E-01	0.00	-1094.56	0.00	0.00	0.00	16959.60
		2.5E-01	0.00	-761.03	0.00	0.00	0.00	17075.58
		3.8E-01	0.00	-427.50	0.00	0.00	0.00	17149.86
		5.0E-01	0.00	-93.96	0.00	0.00	0.00	17182.45
22	SLU2A	0.00	0.00	-1335.48	0.00	0.00	0.00	16457.93
		1.3E-01	0.00	-1041.54	0.00	0.00	0.00	16606.50
		2.5E-01	0.00	-747.61	0.00	0.00	0.00	16718.32
		3.8E-01	0.00	-453.68	0.00	0.00	0.00	16793.40
		5.0E-01	0.00	-159.74	0.00	0.00	0.00	16831.74
22	SLU3A	0.00	0.00	-1428.10	0.00	0.00	0.00	16801.94
		1.3E-01	0.00	-1094.56	0.00	0.00	0.00	16959.60
		2.5E-01	0.00	-761.03	0.00	0.00	0.00	17075.58
		3.8E-01	0.00	-427.50	0.00	0.00	0.00	17149.86
		5.0E-01	0.00	-93.96	0.00	0.00	0.00	17182.45
22	SLU4A	0.00	0.00	-1337.28	0.00	0.00	0.00	15854.03
		1.3E-01	0.00	-1019.18	0.00	0.00	0.00	16001.31
		2.5E-01	0.00	-701.08	0.00	0.00	0.00	16108.83
		3.8E-01	0.00	-382.98	0.00	0.00	0.00	16176.58

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	5.0E-01	0.00	-64.89	0.00	0.00	0.00	16204.57
22	SLU5A						
	0.00	0.00	-1201.05	0.00	0.00	0.00	14432.18
	1.3E-01	0.00	-906.11	0.00	0.00	0.00	14563.87
	2.5E-01	0.00	-611.16	0.00	0.00	0.00	14658.70
	3.8E-01	0.00	-316.22	0.00	0.00	0.00	14716.66
	5.0E-01	0.00	-21.27	0.00	0.00	0.00	14737.76
22	RA1A						
	0.00	0.00	-994.04	0.00	0.00	0.00	11759.31
	1.3E-01	0.00	-761.36	0.00	0.00	0.00	11869.02
	2.5E-01	0.00	-528.68	0.00	0.00	0.00	11949.65
	3.8E-01	0.00	-296.00	0.00	0.00	0.00	12001.19
	5.0E-01	0.00	-63.33	0.00	0.00	0.00	12023.65
22	RA2A						
	0.00	0.00	-994.04	0.00	0.00	0.00	11759.31
	1.3E-01	0.00	-761.36	0.00	0.00	0.00	11869.02
	2.5E-01	0.00	-528.68	0.00	0.00	0.00	11949.65
	3.8E-01	0.00	-296.00	0.00	0.00	0.00	12001.19
	5.0E-01	0.00	-63.33	0.00	0.00	0.00	12023.65
22	FR1A						
	0.00	0.00	-871.74	0.00	0.00	0.00	10898.04
	1.3E-01	0.00	-675.76	0.00	0.00	0.00	10994.76
	2.5E-01	0.00	-479.77	0.00	0.00	0.00	11066.98
	3.8E-01	0.00	-283.78	0.00	0.00	0.00	11114.70
	5.0E-01	0.00	-87.79	0.00	0.00	0.00	11137.92
22	FR2A						
	0.00	0.00	-871.74	0.00	0.00	0.00	10898.04
	1.3E-01	0.00	-675.76	0.00	0.00	0.00	10994.76
	2.5E-01	0.00	-479.77	0.00	0.00	0.00	11066.98
	3.8E-01	0.00	-283.78	0.00	0.00	0.00	11114.70
	5.0E-01	0.00	-87.79	0.00	0.00	0.00	11137.92
22	QPA						
	0.00	0.00	-629.57	0.00	0.00	0.00	8370.29
	1.3E-01	0.00	-474.74	0.00	0.00	0.00	8439.31
	2.5E-01	0.00	-319.91	0.00	0.00	0.00	8488.98
	3.8E-01	0.00	-165.08	0.00	0.00	0.00	8519.29
	5.0E-01	0.00	-10.26	0.00	0.00	0.00	8530.25
22	SISMICAL						
	0.00	4.34	-729.07	0.00	0.00	0.00	9952.83
	1.3E-01	3.42	-551.22	0.00	0.00	0.00	10032.85
	2.5E-01	2.50	-373.36	0.00	0.00	0.00	10090.64
	3.8E-01	1.59	-195.50	0.00	0.00	0.00	10126.19
	5.0E-01	6.671E-01	-17.64	0.00	0.00	0.00	10139.51
23	SLU1A						
	0.00	0.00	-1193.09	0.00	0.00	0.00	17182.45
	1.3E-01	0.00	-859.55	0.00	0.00	0.00	17310.74
	2.5E-01	0.00	-526.02	0.00	0.00	0.00	17397.34
	3.8E-01	0.00	-192.49	0.00	0.00	0.00	17442.25
	5.0E-01	0.00	141.05	0.00	0.00	0.00	17445.46
23	SLU2A						
	0.00	0.00	-1104.00	0.00	0.00	0.00	16831.74
	1.3E-01	0.00	-810.07	0.00	0.00	0.00	16951.37
	2.5E-01	0.00	-516.14	0.00	0.00	0.00	17034.26
	3.8E-01	0.00	-222.20	0.00	0.00	0.00	17080.40
	5.0E-01	0.00	71.73	0.00	0.00	0.00	17089.81
23	SLU3A						
	0.00	0.00	-1193.09	0.00	0.00	0.00	17182.45
	1.3E-01	0.00	-859.55	0.00	0.00	0.00	17310.74
	2.5E-01	0.00	-526.02	0.00	0.00	0.00	17397.34
	3.8E-01	0.00	-192.49	0.00	0.00	0.00	17442.25
	5.0E-01	0.00	141.05	0.00	0.00	0.00	17445.46
23	SLU4A						
	0.00	0.00	-1133.27	0.00	0.00	0.00	16204.57
	1.3E-01	0.00	-815.18	0.00	0.00	0.00	16326.35
	2.5E-01	0.00	-497.08	0.00	0.00	0.00	16408.37
	3.8E-01	0.00	-178.98	0.00	0.00	0.00	16450.62
	5.0E-01	0.00	139.12	0.00	0.00	0.00	16453.11
23	SLU5A						
	0.00	0.00	-1043.55	0.00	0.00	0.00	14737.76
	1.3E-01	0.00	-748.61	0.00	0.00	0.00	14849.77
	2.5E-01	0.00	-453.66	0.00	0.00	0.00	14924.91
	3.8E-01	0.00	-158.72	0.00	0.00	0.00	14963.18
	5.0E-01	0.00	136.23	0.00	0.00	0.00	14964.59
23	RA1A						
	0.00	0.00	-833.72	0.00	0.00	0.00	12023.65
	1.3E-01	0.00	-601.04	0.00	0.00	0.00	12113.32
	2.5E-01	0.00	-368.37	0.00	0.00	0.00	12173.91
	3.8E-01	0.00	-135.69	0.00	0.00	0.00	12205.42
	5.0E-01	0.00	96.99	0.00	0.00	0.00	12207.83
23	RA2A						
	0.00	0.00	-833.72	0.00	0.00	0.00	12023.65
	1.3E-01	0.00	-601.04	0.00	0.00	0.00	12113.32
	2.5E-01	0.00	-368.37	0.00	0.00	0.00	12173.91
	3.8E-01	0.00	-135.69	0.00	0.00	0.00	12205.42
	5.0E-01	0.00	96.99	0.00	0.00	0.00	12207.83
23	FR1A						
	0.00	0.00	-734.46	0.00	0.00	0.00	11137.92
	1.3E-01	0.00	-538.47	0.00	0.00	0.00	11217.48
	2.5E-01	0.00	-342.48	0.00	0.00	0.00	11272.54

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	3.8E-01	0.00	-146.49	0.00	0.00	0.00	11303.10
	5.0E-01	0.00	49.49	0.00	0.00	0.00	11309.16
23	FR2A						
	0.00	0.00	-734.46	0.00	0.00	0.00	11137.92
	1.3E-01	0.00	-538.47	0.00	0.00	0.00	11217.48
	2.5E-01	0.00	-342.48	0.00	0.00	0.00	11272.54
	3.8E-01	0.00	-146.49	0.00	0.00	0.00	11303.10
	5.0E-01	0.00	49.49	0.00	0.00	0.00	11309.16
23	QPA						
	0.00	0.00	-574.96	0.00	0.00	0.00	8530.25
	1.3E-01	0.00	-420.13	0.00	0.00	0.00	8592.44
	2.5E-01	0.00	-265.30	0.00	0.00	0.00	8635.28
	3.8E-01	0.00	-110.47	0.00	0.00	0.00	8658.77
	5.0E-01	0.00	44.35	0.00	0.00	0.00	8662.90
23	SISMICAL						
	0.00	4.20	-661.34	0.00	0.00	0.00	10139.51
	1.3E-01	3.29	-483.48	0.00	0.00	0.00	10211.06
	2.5E-01	2.37	-305.63	0.00	0.00	0.00	10260.38
	3.8E-01	1.45	-127.77	0.00	0.00	0.00	10287.47
	5.0E-01	5.312E-01	50.09	0.00	0.00	0.00	10292.33
24	SLU1A						
	0.00	0.00	-960.28	0.00	0.00	0.00	17445.46
	1.3E-01	0.00	-626.75	0.00	0.00	0.00	17544.65
	2.5E-01	0.00	-293.21	0.00	0.00	0.00	17602.15
	3.8E-01	0.00	40.32	0.00	0.00	0.00	17617.95
	5.0E-01	0.00	373.85	0.00	0.00	0.00	17592.07
24	SLU2A						
	0.00	0.00	-874.35	0.00	0.00	0.00	17089.81
	1.3E-01	0.00	-580.42	0.00	0.00	0.00	17180.73
	2.5E-01	0.00	-286.48	0.00	0.00	0.00	17234.91
	3.8E-01	0.00	7.45	0.00	0.00	0.00	17252.35
	5.0E-01	0.00	301.38	0.00	0.00	0.00	17233.05
24	SLU3A						
	0.00	0.00	-960.28	0.00	0.00	0.00	17445.46
	1.3E-01	0.00	-626.75	0.00	0.00	0.00	17544.65
	2.5E-01	0.00	-293.21	0.00	0.00	0.00	17602.15
	3.8E-01	0.00	40.32	0.00	0.00	0.00	17617.95
	5.0E-01	0.00	373.85	0.00	0.00	0.00	17592.07
24	SLU4A						
	0.00	0.00	-931.48	0.00	0.00	0.00	16453.11
	1.3E-01	0.00	-613.38	0.00	0.00	0.00	16549.67
	2.5E-01	0.00	-295.28	0.00	0.00	0.00	16606.46
	3.8E-01	0.00	22.82	0.00	0.00	0.00	16623.48
	5.0E-01	0.00	340.92	0.00	0.00	0.00	16600.75
24	SLU5A						
	0.00	0.00	-888.27	0.00	0.00	0.00	14964.59
	1.3E-01	0.00	-593.32	0.00	0.00	0.00	15057.19
	2.5E-01	0.00	-298.37	0.00	0.00	0.00	15112.92
	3.8E-01	0.00	-3.43	0.00	0.00	0.00	15131.78
	5.0E-01	0.00	291.52	0.00	0.00	0.00	15113.77
24	RA1A						
	0.00	0.00	-674.96	0.00	0.00	0.00	12207.83
	1.3E-01	0.00	-442.29	0.00	0.00	0.00	12277.66
	2.5E-01	0.00	-209.61	0.00	0.00	0.00	12318.41
	3.8E-01	0.00	23.07	0.00	0.00	0.00	12330.07
	5.0E-01	0.00	255.75	0.00	0.00	0.00	12312.64
24	RA2A						
	0.00	0.00	-674.96	0.00	0.00	0.00	12207.83
	1.3E-01	0.00	-442.29	0.00	0.00	0.00	12277.66
	2.5E-01	0.00	-209.61	0.00	0.00	0.00	12318.41
	3.8E-01	0.00	23.07	0.00	0.00	0.00	12330.07
	5.0E-01	0.00	255.75	0.00	0.00	0.00	12312.64
24	FR1A						
	0.00	0.00	-598.47	0.00	0.00	0.00	11309.16
	1.3E-01	0.00	-402.49	0.00	0.00	0.00	11371.72
	2.5E-01	0.00	-206.50	0.00	0.00	0.00	11409.79
	3.8E-01	0.00	-10.51	0.00	0.00	0.00	11423.35
	5.0E-01	0.00	185.48	0.00	0.00	0.00	11412.41
24	FR2A						
	0.00	0.00	-598.47	0.00	0.00	0.00	11309.16
	1.3E-01	0.00	-402.49	0.00	0.00	0.00	11371.72
	2.5E-01	0.00	-206.50	0.00	0.00	0.00	11409.79
	3.8E-01	0.00	-10.51	0.00	0.00	0.00	11423.35
	5.0E-01	0.00	185.48	0.00	0.00	0.00	11412.41
24	QPA						
	0.00	0.00	-521.66	0.00	0.00	0.00	8662.90
	1.3E-01	0.00	-366.83	0.00	0.00	0.00	8718.43
	2.5E-01	0.00	-212.00	0.00	0.00	0.00	8754.61
	3.8E-01	0.00	-57.18	0.00	0.00	0.00	8771.43
	5.0E-01	0.00	97.65	0.00	0.00	0.00	8768.90
24	SISMICAL						
	0.00	4.07	-594.89	0.00	0.00	0.00	10292.33
	1.3E-01	3.15	-417.03	0.00	0.00	0.00	10355.57
	2.5E-01	2.23	-239.17	0.00	0.00	0.00	10396.58
	3.8E-01	1.31	-61.31	0.00	0.00	0.00	10415.36
	5.0E-01	3.953E-01	116.54	0.00	0.00	0.00	10411.91
25	SLU1A						
	0.00	0.00	-727.87	0.00	0.00	0.00	17592.07

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		1.3E-01	0.00	-394.34	0.00	0.00	0.00	17662.21
		2.5E-01	0.00	-60.80	0.00	0.00	0.00	17690.65
		3.8E-01	0.00	272.73	0.00	0.00	0.00	17677.41
		5.0E-01	0.00	606.27	0.00	0.00	0.00	17622.47
25	SLU2A	0.00	0.00	-644.75	0.00	0.00	0.00	17233.05
		1.3E-01	0.00	-350.82	0.00	0.00	0.00	17295.27
		2.5E-01	0.00	-56.88	0.00	0.00	0.00	17320.75
		3.8E-01	0.00	237.05	0.00	0.00	0.00	17309.49
		5.0E-01	0.00	530.99	0.00	0.00	0.00	17261.49
25	SLU3A	0.00	0.00	-727.87	0.00	0.00	0.00	17592.07
		1.3E-01	0.00	-394.34	0.00	0.00	0.00	17662.21
		2.5E-01	0.00	-60.80	0.00	0.00	0.00	17690.65
		3.8E-01	0.00	272.73	0.00	0.00	0.00	17677.41
		5.0E-01	0.00	606.27	0.00	0.00	0.00	17622.47
25	SLU4A	0.00	0.00	-730.19	0.00	0.00	0.00	16600.75
		1.3E-01	0.00	-412.09	0.00	0.00	0.00	16672.14
		2.5E-01	0.00	-93.99	0.00	0.00	0.00	16703.77
		3.8E-01	0.00	224.11	0.00	0.00	0.00	16695.64
		5.0E-01	0.00	542.21	0.00	0.00	0.00	16647.75
25	SLU5A	0.00	0.00	-733.67	0.00	0.00	0.00	15113.77
		1.3E-01	0.00	-438.72	0.00	0.00	0.00	15187.05
		2.5E-01	0.00	-143.78	0.00	0.00	0.00	15223.45
		3.8E-01	0.00	151.17	0.00	0.00	0.00	15222.99
		5.0E-01	0.00	446.12	0.00	0.00	0.00	15185.66
25	RA1A	0.00	0.00	-516.50	0.00	0.00	0.00	12312.64
		1.3E-01	0.00	-283.82	0.00	0.00	0.00	12362.66
		2.5E-01	0.00	-51.15	0.00	0.00	0.00	12383.60
		3.8E-01	0.00	181.53	0.00	0.00	0.00	12375.45
		5.0E-01	0.00	414.21	0.00	0.00	0.00	12338.21
25	RA2A	0.00	0.00	-516.50	0.00	0.00	0.00	12312.64
		1.3E-01	0.00	-283.82	0.00	0.00	0.00	12362.66
		2.5E-01	0.00	-51.15	0.00	0.00	0.00	12383.60
		3.8E-01	0.00	181.53	0.00	0.00	0.00	12375.45
		5.0E-01	0.00	414.21	0.00	0.00	0.00	12338.21
25	FR1A	0.00	0.00	-462.63	0.00	0.00	0.00	11412.41
		1.3E-01	0.00	-266.65	0.00	0.00	0.00	11457.99
		2.5E-01	0.00	-70.66	0.00	0.00	0.00	11479.08
		3.8E-01	0.00	125.33	0.00	0.00	0.00	11475.66
		5.0E-01	0.00	321.32	0.00	0.00	0.00	11447.74
25	FR2A	0.00	0.00	-462.63	0.00	0.00	0.00	11412.41
		1.3E-01	0.00	-266.65	0.00	0.00	0.00	11457.99
		2.5E-01	0.00	-70.66	0.00	0.00	0.00	11479.08
		3.8E-01	0.00	125.33	0.00	0.00	0.00	11475.66
		5.0E-01	0.00	321.32	0.00	0.00	0.00	11447.74
25	QPA	0.00	0.00	-468.82	0.00	0.00	0.00	8768.90
		1.3E-01	0.00	-313.99	0.00	0.00	0.00	8817.82
		2.5E-01	0.00	-159.16	0.00	0.00	0.00	8847.40
		3.8E-01	0.00	-4.34	0.00	0.00	0.00	8857.62
		5.0E-01	0.00	150.49	0.00	0.00	0.00	8848.48
25	SISMICAL	0.00	3.93	-528.69	0.00	0.00	0.00	10411.91
		1.3E-01	3.01	-350.83	0.00	0.00	0.00	10466.88
		2.5E-01	2.10	-172.97	0.00	0.00	0.00	10499.62
		3.8E-01	1.18	4.89	0.00	0.00	0.00	10510.12
		5.0E-01	2.595E-01	182.74	0.00	0.00	0.00	10498.40
26	SLU1A	0.00	0.00	-494.02	0.00	0.00	0.00	17622.47
		1.3E-01	0.00	-160.49	0.00	0.00	0.00	17663.38
		2.5E-01	0.00	173.05	0.00	0.00	0.00	17662.59
		3.8E-01	0.00	506.58	0.00	0.00	0.00	17620.12
		5.0E-01	0.00	840.11	0.00	0.00	0.00	17535.95
26	SLU2A	0.00	0.00	-413.40	0.00	0.00	0.00	17261.49
		1.3E-01	0.00	-119.47	0.00	0.00	0.00	17294.80
		2.5E-01	0.00	174.46	0.00	0.00	0.00	17291.36
		3.8E-01	0.00	468.40	0.00	0.00	0.00	17251.18
		5.0E-01	0.00	762.33	0.00	0.00	0.00	17174.26
26	SLU3A	0.00	0.00	-494.02	0.00	0.00	0.00	17622.47
		1.3E-01	0.00	-160.49	0.00	0.00	0.00	17663.38
		2.5E-01	0.00	173.05	0.00	0.00	0.00	17662.59
		3.8E-01	0.00	506.58	0.00	0.00	0.00	17620.12
		5.0E-01	0.00	840.11	0.00	0.00	0.00	17535.95
26	SLU4A	0.00	0.00	-527.70	0.00	0.00	0.00	16647.75
		1.3E-01	0.00	-209.60	0.00	0.00	0.00	16693.83
		2.5E-01	0.00	108.49	0.00	0.00	0.00	16700.15
		3.8E-01	0.00	426.59	0.00	0.00	0.00	16666.71
		5.0E-01	0.00	744.69	0.00	0.00	0.00	16593.50
26	SLU5A							

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		0.00	0.00	-578.22	0.00	0.00	0.00	15185.66
		1.3E-01	0.00	-283.28	0.00	0.00	0.00	15239.51
		2.5E-01	0.00	11.67	0.00	0.00	0.00	15256.48
		3.8E-01	0.00	306.61	0.00	0.00	0.00	15236.59
		5.0E-01	0.00	601.56	0.00	0.00	0.00	15179.83
26	RA1A							
		0.00	0.00	-357.05	0.00	0.00	0.00	12338.21
		1.3E-01	0.00	-124.38	0.00	0.00	0.00	12368.30
		2.5E-01	0.00	108.30	0.00	0.00	0.00	12369.31
		3.8E-01	0.00	340.98	0.00	0.00	0.00	12341.23
		5.0E-01	0.00	573.66	0.00	0.00	0.00	12284.06
26	RA2A							
		0.00	0.00	-357.05	0.00	0.00	0.00	12338.21
		1.3E-01	0.00	-124.38	0.00	0.00	0.00	12368.30
		2.5E-01	0.00	108.30	0.00	0.00	0.00	12369.31
		3.8E-01	0.00	340.98	0.00	0.00	0.00	12341.23
		5.0E-01	0.00	573.66	0.00	0.00	0.00	12284.06
26	FR1A							
		0.00	0.00	-325.76	0.00	0.00	0.00	11447.74
		1.3E-01	0.00	-129.77	0.00	0.00	0.00	11476.21
		2.5E-01	0.00	66.21	0.00	0.00	0.00	11480.19
		3.8E-01	0.00	262.20	0.00	0.00	0.00	11459.66
		5.0E-01	0.00	458.19	0.00	0.00	0.00	11414.64
26	FR2A							
		0.00	0.00	-325.76	0.00	0.00	0.00	11447.74
		1.3E-01	0.00	-129.77	0.00	0.00	0.00	11476.21
		2.5E-01	0.00	66.21	0.00	0.00	0.00	11480.19
		3.8E-01	0.00	262.20	0.00	0.00	0.00	11459.66
		5.0E-01	0.00	458.19	0.00	0.00	0.00	11414.64
26	QPA							
		0.00	0.00	-415.58	0.00	0.00	0.00	8848.48
		1.3E-01	0.00	-260.75	0.00	0.00	0.00	8890.75
		2.5E-01	0.00	-105.92	0.00	0.00	0.00	8913.67
		3.8E-01	0.00	48.91	0.00	0.00	0.00	8917.23
		5.0E-01	0.00	203.73	0.00	0.00	0.00	8901.44
26	SISMICAL							
		0.00	3.80	-461.72	0.00	0.00	0.00	10498.40
		1.3E-01	2.88	-283.86	0.00	0.00	0.00	10545.00
		2.5E-01	1.96	-106.00	0.00	0.00	0.00	10569.36
		3.8E-01	1.04	71.85	0.00	0.00	0.00	10571.50
		5.0E-01	1.237E-01	249.71	0.00	0.00	0.00	10551.40
27	SLU1A							
		0.00	0.00	-256.91	0.00	0.00	0.00	17535.95
		1.3E-01	0.00	36.20	0.00	0.00	0.00	17549.74
		2.5E-01	0.00	329.31	0.00	0.00	0.00	17526.90
		3.8E-01	0.00	622.41	0.00	0.00	0.00	17467.42
		5.0E-01	0.00	915.52	0.00	0.00	0.00	17371.29
27	SLU2A							
		0.00	0.00	-178.52	0.00	0.00	0.00	17174.26
		1.3E-01	0.00	74.99	0.00	0.00	0.00	17180.73
		2.5E-01	0.00	328.49	0.00	0.00	0.00	17155.51
		3.8E-01	0.00	582.00	0.00	0.00	0.00	17098.61
		5.0E-01	0.00	835.51	0.00	0.00	0.00	17010.01
27	SLU3A							
		0.00	0.00	-256.91	0.00	0.00	0.00	17535.95
		1.3E-01	0.00	36.20	0.00	0.00	0.00	17549.74
		2.5E-01	0.00	329.31	0.00	0.00	0.00	17526.90
		3.8E-01	0.00	622.41	0.00	0.00	0.00	17467.42
		5.0E-01	0.00	915.52	0.00	0.00	0.00	17371.29
27	SLU4A							
		0.00	0.00	-322.30	0.00	0.00	0.00	16593.50
		1.3E-01	0.00	-36.54	0.00	0.00	0.00	16615.93
		2.5E-01	0.00	249.21	0.00	0.00	0.00	16602.64
		3.8E-01	0.00	534.97	0.00	0.00	0.00	16553.62
		5.0E-01	0.00	820.73	0.00	0.00	0.00	16468.89
27	SLU5A							
		0.00	0.00	-420.39	0.00	0.00	0.00	15179.83
		1.3E-01	0.00	-145.66	0.00	0.00	0.00	15215.21
		2.5E-01	0.00	129.08	0.00	0.00	0.00	15216.24
		3.8E-01	0.00	403.81	0.00	0.00	0.00	15182.94
		5.0E-01	0.00	678.54	0.00	0.00	0.00	15115.29
27	RA1A							
		0.00	0.00	-195.34	0.00	0.00	0.00	12284.06
		1.3E-01	0.00	10.38	0.00	0.00	0.00	12295.62
		2.5E-01	0.00	216.11	0.00	0.00	0.00	12281.47
		3.8E-01	0.00	421.84	0.00	0.00	0.00	12241.59
		5.0E-01	0.00	627.57	0.00	0.00	0.00	12176.01
27	RA2A							
		0.00	0.00	-195.34	0.00	0.00	0.00	12284.06
		1.3E-01	0.00	10.38	0.00	0.00	0.00	12295.62
		2.5E-01	0.00	216.11	0.00	0.00	0.00	12281.47
		3.8E-01	0.00	421.84	0.00	0.00	0.00	12241.59
		5.0E-01	0.00	627.57	0.00	0.00	0.00	12176.01
27	FR1A							
		0.00	0.00	-186.68	0.00	0.00	0.00	11414.64
		1.3E-01	0.00	-12.25	0.00	0.00	0.00	11427.07
		2.5E-01	0.00	162.17	0.00	0.00	0.00	11417.70
		3.8E-01	0.00	336.60	0.00	0.00	0.00	11386.53
		5.0E-01	0.00	511.03	0.00	0.00	0.00	11333.55

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27	FR2A	0.00	0.00	-186.68	0.00	0.00	0.00	11414.64
		1.3E-01	0.00	-12.25	0.00	0.00	0.00	11427.07
		2.5E-01	0.00	162.17	0.00	0.00	0.00	11417.70
		3.8E-01	0.00	336.60	0.00	0.00	0.00	11386.53
		5.0E-01	0.00	511.03	0.00	0.00	0.00	11333.55
27	QPA	0.00	0.00	-361.06	0.00	0.00	0.00	8901.44
		1.3E-01	0.00	-206.23	0.00	0.00	0.00	8936.90
		2.5E-01	0.00	-51.40	0.00	0.00	0.00	8953.00
		3.8E-01	0.00	103.42	0.00	0.00	0.00	8949.75
		5.0E-01	0.00	258.25	0.00	0.00	0.00	8927.14
27	SISMICAL	0.00	3.66	-392.95	0.00	0.00	0.00	10551.40
		1.3E-01	2.74	-215.09	0.00	0.00	0.00	10589.40
		2.5E-01	1.82	-37.23	0.00	0.00	0.00	10605.17
		3.8E-01	9.059E-01	140.62	0.00	0.00	0.00	10598.71
		5.0E-01	-1.204E-02	318.48	0.00	0.00	0.00	10570.02
28	SLU1A	0.00	0.00	-176.47	0.00	0.00	0.00	17371.29
		1.3E-01	0.00	116.64	0.00	0.00	0.00	17375.03
		2.5E-01	0.00	409.74	0.00	0.00	0.00	17342.14
		3.8E-01	0.00	702.85	0.00	0.00	0.00	17272.60
		5.0E-01	0.00	995.96	0.00	0.00	0.00	17166.42
28	SLU2A	0.00	0.00	-100.08	0.00	0.00	0.00	17010.01
		1.3E-01	0.00	153.43	0.00	0.00	0.00	17006.68
		2.5E-01	0.00	406.94	0.00	0.00	0.00	16971.65
		3.8E-01	0.00	660.45	0.00	0.00	0.00	16904.94
		5.0E-01	0.00	913.95	0.00	0.00	0.00	16806.54
28	SLU3A	0.00	0.00	-176.47	0.00	0.00	0.00	17371.29
		1.3E-01	0.00	116.64	0.00	0.00	0.00	17375.03
		2.5E-01	0.00	409.74	0.00	0.00	0.00	17342.14
		3.8E-01	0.00	702.85	0.00	0.00	0.00	17272.60
		5.0E-01	0.00	995.96	0.00	0.00	0.00	17166.42
28	SLU4A	0.00	0.00	-241.69	0.00	0.00	0.00	16468.89
		1.3E-01	0.00	44.07	0.00	0.00	0.00	16481.24
		2.5E-01	0.00	329.83	0.00	0.00	0.00	16457.87
		3.8E-01	0.00	615.59	0.00	0.00	0.00	16398.79
		5.0E-01	0.00	901.35	0.00	0.00	0.00	16303.98
28	SLU5A	0.00	0.00	-339.51	0.00	0.00	0.00	15115.29
		1.3E-01	0.00	-64.77	0.00	0.00	0.00	15140.56
		2.5E-01	0.00	209.96	0.00	0.00	0.00	15131.48
		3.8E-01	0.00	484.69	0.00	0.00	0.00	15088.07
		5.0E-01	0.00	759.43	0.00	0.00	0.00	15010.31
28	RA1A	0.00	0.00	-137.94	0.00	0.00	0.00	12176.01
		1.3E-01	0.00	67.79	0.00	0.00	0.00	12180.39
		2.5E-01	0.00	273.51	0.00	0.00	0.00	12159.06
		3.8E-01	0.00	479.24	0.00	0.00	0.00	12112.01
		5.0E-01	0.00	684.97	0.00	0.00	0.00	12039.25
28	RA2A	0.00	0.00	-137.94	0.00	0.00	0.00	12176.01
		1.3E-01	0.00	67.79	0.00	0.00	0.00	12180.39
		2.5E-01	0.00	273.51	0.00	0.00	0.00	12159.06
		3.8E-01	0.00	479.24	0.00	0.00	0.00	12112.01
		5.0E-01	0.00	684.97	0.00	0.00	0.00	12039.25
28	FR1A	0.00	0.00	-130.49	0.00	0.00	0.00	11333.55
		1.3E-01	0.00	43.94	0.00	0.00	0.00	11338.96
		2.5E-01	0.00	218.37	0.00	0.00	0.00	11322.56
		3.8E-01	0.00	392.79	0.00	0.00	0.00	11284.37
		5.0E-01	0.00	567.22	0.00	0.00	0.00	11224.37
28	FR2A	0.00	0.00	-130.49	0.00	0.00	0.00	11333.55
		1.3E-01	0.00	43.94	0.00	0.00	0.00	11338.96
		2.5E-01	0.00	218.37	0.00	0.00	0.00	11322.56
		3.8E-01	0.00	392.79	0.00	0.00	0.00	11284.37
		5.0E-01	0.00	567.22	0.00	0.00	0.00	11224.37
28	QPA	0.00	0.00	-304.39	0.00	0.00	0.00	8927.14
		1.3E-01	0.00	-149.56	0.00	0.00	0.00	8955.52
		2.5E-01	0.00	5.26	0.00	0.00	0.00	8964.54
		3.8E-01	0.00	160.09	0.00	0.00	0.00	8954.20
		5.0E-01	0.00	314.92	0.00	0.00	0.00	8924.51
28	SISMICAL	0.00	3.52	-321.33	0.00	0.00	0.00	10570.02
		1.3E-01	2.61	-143.47	0.00	0.00	0.00	10599.07
		2.5E-01	1.69	34.39	0.00	0.00	0.00	10605.88
		3.8E-01	7.702E-01	212.24	0.00	0.00	0.00	10590.47
		5.0E-01	-1.477E-01	390.10	0.00	0.00	0.00	10552.82
29	SLU1A	0.00	0.00	-89.31	0.00	0.00	0.00	17166.42
		1.3E-01	0.00	203.79	0.00	0.00	0.00	17159.27
		2.5E-01	0.00	496.90	0.00	0.00	0.00	17115.47

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		3.8E-01	0.00	790.01	0.00	0.00	0.00	17035.04
		5.0E-01	0.00	1083.12	0.00	0.00	0.00	16917.97
29	SLU2A							
		0.00	0.00	-14.72	0.00	0.00	0.00	16806.54
		1.3E-01	0.00	238.79	0.00	0.00	0.00	16792.54
		2.5E-01	0.00	492.30	0.00	0.00	0.00	16746.84
		3.8E-01	0.00	745.81	0.00	0.00	0.00	16669.46
		5.0E-01	0.00	999.32	0.00	0.00	0.00	16560.39
29	SLU3A							
		0.00	0.00	-89.31	0.00	0.00	0.00	17166.42
		1.3E-01	0.00	203.79	0.00	0.00	0.00	17159.27
		2.5E-01	0.00	496.90	0.00	0.00	0.00	17115.47
		3.8E-01	0.00	790.01	0.00	0.00	0.00	17035.04
		5.0E-01	0.00	1083.12	0.00	0.00	0.00	16917.97
29	SLU4A							
		0.00	0.00	-154.89	0.00	0.00	0.00	16303.98
		1.3E-01	0.00	130.87	0.00	0.00	0.00	16305.48
		2.5E-01	0.00	416.63	0.00	0.00	0.00	16271.26
		3.8E-01	0.00	702.39	0.00	0.00	0.00	16201.32
		5.0E-01	0.00	988.15	0.00	0.00	0.00	16095.66
29	SLU5A							
		0.00	0.00	-253.24	0.00	0.00	0.00	15010.31
		1.3E-01	0.00	21.49	0.00	0.00	0.00	15024.79
		2.5E-01	0.00	296.23	0.00	0.00	0.00	15004.94
		3.8E-01	0.00	570.96	0.00	0.00	0.00	14950.74
		5.0E-01	0.00	845.69	0.00	0.00	0.00	14862.20
29	RA1A							
		0.00	0.00	-75.86	0.00	0.00	0.00	12039.25
		1.3E-01	0.00	129.87	0.00	0.00	0.00	12035.87
		2.5E-01	0.00	335.60	0.00	0.00	0.00	12006.78
		3.8E-01	0.00	541.33	0.00	0.00	0.00	11951.97
		5.0E-01	0.00	747.05	0.00	0.00	0.00	11871.45
29	RA2A							
		0.00	0.00	-75.86	0.00	0.00	0.00	12039.25
		1.3E-01	0.00	129.87	0.00	0.00	0.00	12035.87
		2.5E-01	0.00	335.60	0.00	0.00	0.00	12006.78
		3.8E-01	0.00	541.33	0.00	0.00	0.00	11951.97
		5.0E-01	0.00	747.05	0.00	0.00	0.00	11871.45
29	FR1A							
		0.00	0.00	-69.84	0.00	0.00	0.00	11224.37
		1.3E-01	0.00	104.59	0.00	0.00	0.00	11222.19
		2.5E-01	0.00	279.02	0.00	0.00	0.00	11198.22
		3.8E-01	0.00	453.44	0.00	0.00	0.00	11152.44
		5.0E-01	0.00	627.87	0.00	0.00	0.00	11084.86
29	FR2A							
		0.00	0.00	-69.84	0.00	0.00	0.00	11224.37
		1.3E-01	0.00	104.59	0.00	0.00	0.00	11222.19
		2.5E-01	0.00	279.02	0.00	0.00	0.00	11198.22
		3.8E-01	0.00	453.44	0.00	0.00	0.00	11152.44
		5.0E-01	0.00	627.87	0.00	0.00	0.00	11084.86
29	QPA							
		0.00	0.00	-244.69	0.00	0.00	0.00	8924.51
		1.3E-01	0.00	-89.86	0.00	0.00	0.00	8945.42
		2.5E-01	0.00	64.96	0.00	0.00	0.00	8946.98
		3.8E-01	0.00	219.79	0.00	0.00	0.00	8929.18
		5.0E-01	0.00	374.62	0.00	0.00	0.00	8892.03
29	SISMICAL							
		0.00	3.39	-245.82	0.00	0.00	0.00	10552.82
		1.3E-01	2.47	-67.96	0.00	0.00	0.00	10572.43
		2.5E-01	1.55	109.90	0.00	0.00	0.00	10569.81
		3.8E-01	6.346E-01	287.75	0.00	0.00	0.00	10544.96
		5.0E-01	-2.834E-01	465.61	0.00	0.00	0.00	10497.87
30	SLU1A							
		0.00	0.00	6.24	0.00	0.00	0.00	16917.97
		1.3E-01	0.00	299.35	0.00	0.00	0.00	16898.87
		2.5E-01	0.00	592.46	0.00	0.00	0.00	16843.13
		3.8E-01	0.00	885.56	0.00	0.00	0.00	16750.76
		5.0E-01	0.00	1178.67	0.00	0.00	0.00	16621.74
30	SLU2A							
		0.00	0.00	79.20	0.00	0.00	0.00	16560.39
		1.3E-01	0.00	332.71	0.00	0.00	0.00	16534.65
		2.5E-01	0.00	586.22	0.00	0.00	0.00	16477.21
		3.8E-01	0.00	839.73	0.00	0.00	0.00	16388.09
		5.0E-01	0.00	1093.24	0.00	0.00	0.00	16267.28
30	SLU3A							
		0.00	0.00	6.24	0.00	0.00	0.00	16917.97
		1.3E-01	0.00	299.35	0.00	0.00	0.00	16898.87
		2.5E-01	0.00	592.46	0.00	0.00	0.00	16843.13
		3.8E-01	0.00	885.56	0.00	0.00	0.00	16750.76
		5.0E-01	0.00	1178.67	0.00	0.00	0.00	16621.74
30	SLU4A							
		0.00	0.00	-60.30	0.00	0.00	0.00	16095.66
		1.3E-01	0.00	225.45	0.00	0.00	0.00	16085.34
		2.5E-01	0.00	511.21	0.00	0.00	0.00	16039.30
		3.8E-01	0.00	796.97	0.00	0.00	0.00	15957.54
		5.0E-01	0.00	1082.73	0.00	0.00	0.00	15840.05
30	SLU5A							
		0.00	0.00	-160.12	0.00	0.00	0.00	14862.20
		1.3E-01	0.00	114.61	0.00	0.00	0.00	14865.04

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	2.5E-01	0.00	389.35	0.00	0.00	0.00	14833.54
	3.8E-01	0.00	664.08	0.00	0.00	0.00	14767.70
	5.0E-01	0.00	938.81	0.00	0.00	0.00	14667.52
30	RA1A						
	0.00	0.00	-7.91	0.00	0.00	0.00	11871.45
	1.3E-01	0.00	197.81	0.00	0.00	0.00	11859.58
	2.5E-01	0.00	403.54	0.00	0.00	0.00	11822.00
	3.8E-01	0.00	609.27	0.00	0.00	0.00	11758.70
	5.0E-01	0.00	815.00	0.00	0.00	0.00	11669.68
30	RA2A						
	0.00	0.00	-7.91	0.00	0.00	0.00	11871.45
	1.3E-01	0.00	197.81	0.00	0.00	0.00	11859.58
	2.5E-01	0.00	403.54	0.00	0.00	0.00	11822.00
	3.8E-01	0.00	609.27	0.00	0.00	0.00	11758.70
	5.0E-01	0.00	815.00	0.00	0.00	0.00	11669.68
30	FR1A						
	0.00	0.00	-3.63	0.00	0.00	0.00	11084.86
	1.3E-01	0.00	170.80	0.00	0.00	0.00	11074.41
	2.5E-01	0.00	345.22	0.00	0.00	0.00	11042.16
	3.8E-01	0.00	519.65	0.00	0.00	0.00	10988.10
	5.0E-01	0.00	694.08	0.00	0.00	0.00	10912.25
30	FR2A						
	0.00	0.00	-3.63	0.00	0.00	0.00	11084.86
	1.3E-01	0.00	170.80	0.00	0.00	0.00	11074.41
	2.5E-01	0.00	345.22	0.00	0.00	0.00	11042.16
	3.8E-01	0.00	519.65	0.00	0.00	0.00	10988.10
	5.0E-01	0.00	694.08	0.00	0.00	0.00	10912.25
30	QPA						
	0.00	0.00	-181.08	0.00	0.00	0.00	8892.03
	1.3E-01	0.00	-26.25	0.00	0.00	0.00	8904.99
	2.5E-01	0.00	128.58	0.00	0.00	0.00	8898.59
	3.8E-01	0.00	283.40	0.00	0.00	0.00	8872.85
	5.0E-01	0.00	438.23	0.00	0.00	0.00	8827.74
30	SISMICAL						
	0.00	3.25	-165.37	0.00	0.00	0.00	10497.87
	1.3E-01	2.33	12.49	0.00	0.00	0.00	10507.43
	2.5E-01	1.42	190.35	0.00	0.00	0.00	10494.75
	3.8E-01	4.989E-01	368.21	0.00	0.00	0.00	10459.84
	5.0E-01	-4.190E-01	546.06	0.00	0.00	0.00	10402.70
31	SLU1A						
	0.00	0.00	111.85	0.00	0.00	0.00	16621.74
	1.3E-01	0.00	404.96	0.00	0.00	0.00	16589.44
	2.5E-01	0.00	698.06	0.00	0.00	0.00	16520.50
	3.8E-01	0.00	991.17	0.00	0.00	0.00	16414.93
	5.0E-01	0.00	1284.28	0.00	0.00	0.00	16272.71
31	SLU2A						
	0.00	0.00	183.31	0.00	0.00	0.00	16267.28
	1.3E-01	0.00	436.82	0.00	0.00	0.00	16228.52
	2.5E-01	0.00	690.33	0.00	0.00	0.00	16158.08
	3.8E-01	0.00	943.84	0.00	0.00	0.00	16055.94
	5.0E-01	0.00	1197.34	0.00	0.00	0.00	15922.12
31	SLU3A						
	0.00	0.00	111.85	0.00	0.00	0.00	16621.74
	1.3E-01	0.00	404.96	0.00	0.00	0.00	16589.44
	2.5E-01	0.00	698.06	0.00	0.00	0.00	16520.50
	3.8E-01	0.00	991.17	0.00	0.00	0.00	16414.93
	5.0E-01	0.00	1284.28	0.00	0.00	0.00	16272.71
31	SLU4A						
	0.00	0.00	43.64	0.00	0.00	0.00	15840.05
	1.3E-01	0.00	329.40	0.00	0.00	0.00	15816.74
	2.5E-01	0.00	615.15	0.00	0.00	0.00	15757.71
	3.8E-01	0.00	900.91	0.00	0.00	0.00	15662.95
	5.0E-01	0.00	1186.67	0.00	0.00	0.00	15532.48
31	SLU5A						
	0.00	0.00	-58.68	0.00	0.00	0.00	14667.52
	1.3E-01	0.00	216.06	0.00	0.00	0.00	14657.69
	2.5E-01	0.00	490.79	0.00	0.00	0.00	14613.51
	3.8E-01	0.00	765.52	0.00	0.00	0.00	14534.99
	5.0E-01	0.00	1040.26	0.00	0.00	0.00	14422.13
31	RA1A						
	0.00	0.00	67.05	0.00	0.00	0.00	11669.68
	1.3E-01	0.00	272.78	0.00	0.00	0.00	11648.44
	2.5E-01	0.00	478.51	0.00	0.00	0.00	11601.48
	3.8E-01	0.00	684.24	0.00	0.00	0.00	11528.81
	5.0E-01	0.00	889.96	0.00	0.00	0.00	11430.42
31	RA2A						
	0.00	0.00	67.05	0.00	0.00	0.00	11669.68
	1.3E-01	0.00	272.78	0.00	0.00	0.00	11648.44
	2.5E-01	0.00	478.51	0.00	0.00	0.00	11601.48
	3.8E-01	0.00	684.24	0.00	0.00	0.00	11528.81
	5.0E-01	0.00	889.96	0.00	0.00	0.00	11430.42
31	FR1A						
	0.00	0.00	69.22	0.00	0.00	0.00	10912.25
	1.3E-01	0.00	243.65	0.00	0.00	0.00	10892.69
	2.5E-01	0.00	418.08	0.00	0.00	0.00	10851.33
	3.8E-01	0.00	592.51	0.00	0.00	0.00	10788.17
	5.0E-01	0.00	766.93	0.00	0.00	0.00	10703.21
31	FR2A						
	0.00	0.00	69.22	0.00	0.00	0.00	10912.25

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	1.3E-01	0.00	243.65	0.00	0.00	0.00	10892.69
	2.5E-01	0.00	418.08	0.00	0.00	0.00	10851.33
	3.8E-01	0.00	592.51	0.00	0.00	0.00	10788.17
	5.0E-01	0.00	766.93	0.00	0.00	0.00	10703.21
31	QPA						
	0.00	0.00	-112.67	0.00	0.00	0.00	8827.74
	1.3E-01	0.00	42.16	0.00	0.00	0.00	8832.15
	2.5E-01	0.00	196.99	0.00	0.00	0.00	8817.20
	3.8E-01	0.00	351.81	0.00	0.00	0.00	8782.90
	5.0E-01	0.00	506.64	0.00	0.00	0.00	8729.25
31	SISMICAL						
	0.00	3.12	-78.93	0.00	0.00	0.00	10402.70
	1.3E-01	2.20	98.93	0.00	0.00	0.00	10401.45
	2.5E-01	1.28	276.78	0.00	0.00	0.00	10377.97
	3.8E-01	3.633E-01	454.64	0.00	0.00	0.00	10332.25
	5.0E-01	-5.546E-01	632.50	0.00	0.00	0.00	10264.31
32	SLU1A						
	0.00	0.00	229.15	0.00	0.00	0.00	16272.71
	1.3E-01	0.00	522.26	0.00	0.00	0.00	16225.75
	2.5E-01	0.00	815.37	0.00	0.00	0.00	16142.15
	3.8E-01	0.00	1108.48	0.00	0.00	0.00	16021.91
	5.0E-01	0.00	1401.58	0.00	0.00	0.00	15865.03
32	SLU2A						
	0.00	0.00	299.21	0.00	0.00	0.00	15922.12
	1.3E-01	0.00	552.71	0.00	0.00	0.00	15868.87
	2.5E-01	0.00	806.22	0.00	0.00	0.00	15783.94
	3.8E-01	0.00	1059.73	0.00	0.00	0.00	15667.32
	5.0E-01	0.00	1313.24	0.00	0.00	0.00	15519.01
32	SLU3A						
	0.00	0.00	229.15	0.00	0.00	0.00	16272.71
	1.3E-01	0.00	522.26	0.00	0.00	0.00	16225.75
	2.5E-01	0.00	815.37	0.00	0.00	0.00	16142.15
	3.8E-01	0.00	1108.48	0.00	0.00	0.00	16021.91
	5.0E-01	0.00	1401.58	0.00	0.00	0.00	15865.03
32	SLU4A						
	0.00	0.00	158.51	0.00	0.00	0.00	15532.48
	1.3E-01	0.00	444.27	0.00	0.00	0.00	15494.80
	2.5E-01	0.00	730.02	0.00	0.00	0.00	15421.41
	3.8E-01	0.00	1015.78	0.00	0.00	0.00	15312.30
	5.0E-01	0.00	1301.54	0.00	0.00	0.00	15167.47
32	SLU5A						
	0.00	0.00	52.54	0.00	0.00	0.00	14422.13
	1.3E-01	0.00	327.28	0.00	0.00	0.00	14398.39
	2.5E-01	0.00	602.01	0.00	0.00	0.00	14340.31
	3.8E-01	0.00	876.74	0.00	0.00	0.00	14247.89
	5.0E-01	0.00	1151.48	0.00	0.00	0.00	14121.12
32	RA1A						
	0.00	0.00	150.20	0.00	0.00	0.00	11430.42
	1.3E-01	0.00	355.92	0.00	0.00	0.00	11398.79
	2.5E-01	0.00	561.65	0.00	0.00	0.00	11341.44
	3.8E-01	0.00	767.38	0.00	0.00	0.00	11258.38
	5.0E-01	0.00	973.11	0.00	0.00	0.00	11149.60
32	RA2A						
	0.00	0.00	150.20	0.00	0.00	0.00	11430.42
	1.3E-01	0.00	355.92	0.00	0.00	0.00	11398.79
	2.5E-01	0.00	561.65	0.00	0.00	0.00	11341.44
	3.8E-01	0.00	767.38	0.00	0.00	0.00	11258.38
	5.0E-01	0.00	973.11	0.00	0.00	0.00	11149.60
32	FR1A						
	0.00	0.00	149.80	0.00	0.00	0.00	10703.21
	1.3E-01	0.00	324.23	0.00	0.00	0.00	10673.58
	2.5E-01	0.00	498.66	0.00	0.00	0.00	10622.15
	3.8E-01	0.00	673.09	0.00	0.00	0.00	10548.92
	5.0E-01	0.00	847.51	0.00	0.00	0.00	10453.88
32	FR2A						
	0.00	0.00	149.80	0.00	0.00	0.00	10703.21
	1.3E-01	0.00	324.23	0.00	0.00	0.00	10673.58
	2.5E-01	0.00	498.66	0.00	0.00	0.00	10622.15
	3.8E-01	0.00	673.09	0.00	0.00	0.00	10548.92
	5.0E-01	0.00	847.51	0.00	0.00	0.00	10453.88
32	QPA						
	0.00	0.00	-38.58	0.00	0.00	0.00	8729.25
	1.3E-01	0.00	116.25	0.00	0.00	0.00	8724.40
	2.5E-01	0.00	271.07	0.00	0.00	0.00	8700.19
	3.8E-01	0.00	425.90	0.00	0.00	0.00	8656.63
	5.0E-01	0.00	580.73	0.00	0.00	0.00	8593.71
32	SISMICAL						
	0.00	2.98	14.53	0.00	0.00	0.00	10264.31
	1.3E-01	2.06	192.39	0.00	0.00	0.00	10251.38
	2.5E-01	1.15	370.25	0.00	0.00	0.00	10216.21
	3.8E-01	2.278E-01	548.11	0.00	0.00	0.00	10158.81
	5.0E-01	-6.902E-01	725.96	0.00	0.00	0.00	10079.18
33	SLU1A						
	0.00	0.00	359.77	0.00	0.00	0.00	15865.03
	1.3E-01	0.00	652.87	0.00	0.00	0.00	15801.74
	2.5E-01	0.00	945.98	0.00	0.00	0.00	15701.81
	3.8E-01	0.00	1239.09	0.00	0.00	0.00	15565.24
	5.0E-01	0.00	1532.20	0.00	0.00	0.00	15392.04

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33	SLU2A	0.00	0.00	428.47	0.00	0.00	0.00	15519.01
		1.3E-01	0.00	681.98	0.00	0.00	0.00	15449.60
		2.5E-01	0.00	935.49	0.00	0.00	0.00	15348.51
		3.8E-01	0.00	1189.00	0.00	0.00	0.00	15215.73
		5.0E-01	0.00	1442.51	0.00	0.00	0.00	15051.26
33	SLU3A	0.00	0.00	359.77	0.00	0.00	0.00	15865.03
		1.3E-01	0.00	652.87	0.00	0.00	0.00	15801.74
		2.5E-01	0.00	945.98	0.00	0.00	0.00	15701.81
		3.8E-01	0.00	1239.09	0.00	0.00	0.00	15565.24
		5.0E-01	0.00	1532.20	0.00	0.00	0.00	15392.04
33	SLU4A	0.00	0.00	285.85	0.00	0.00	0.00	15167.47
		1.3E-01	0.00	571.61	0.00	0.00	0.00	15113.87
		2.5E-01	0.00	857.37	0.00	0.00	0.00	15024.56
		3.8E-01	0.00	1143.12	0.00	0.00	0.00	14899.53
		5.0E-01	0.00	1428.88	0.00	0.00	0.00	14738.78
33	SLU5A	0.00	0.00	174.97	0.00	0.00	0.00	14121.12
		1.3E-01	0.00	449.71	0.00	0.00	0.00	14082.08
		2.5E-01	0.00	724.44	0.00	0.00	0.00	14008.70
		3.8E-01	0.00	999.17	0.00	0.00	0.00	13900.97
		5.0E-01	0.00	1273.91	0.00	0.00	0.00	13758.90
33	RA1A	0.00	0.00	242.65	0.00	0.00	0.00	11149.60
		1.3E-01	0.00	448.38	0.00	0.00	0.00	11106.41
		2.5E-01	0.00	654.10	0.00	0.00	0.00	11037.51
		3.8E-01	0.00	859.83	0.00	0.00	0.00	10942.88
		5.0E-01	0.00	1065.56	0.00	0.00	0.00	10822.55
33	RA2A	0.00	0.00	242.65	0.00	0.00	0.00	11149.60
		1.3E-01	0.00	448.38	0.00	0.00	0.00	11106.41
		2.5E-01	0.00	654.10	0.00	0.00	0.00	11037.51
		3.8E-01	0.00	859.83	0.00	0.00	0.00	10942.88
		5.0E-01	0.00	1065.56	0.00	0.00	0.00	10822.55
33	FR1A	0.00	0.00	239.17	0.00	0.00	0.00	10453.88
		1.3E-01	0.00	413.60	0.00	0.00	0.00	10413.08
		2.5E-01	0.00	588.03	0.00	0.00	0.00	10350.48
		3.8E-01	0.00	762.46	0.00	0.00	0.00	10266.07
		5.0E-01	0.00	936.88	0.00	0.00	0.00	10159.86
33	FR2A	0.00	0.00	239.17	0.00	0.00	0.00	10453.88
		1.3E-01	0.00	413.60	0.00	0.00	0.00	10413.08
		2.5E-01	0.00	588.03	0.00	0.00	0.00	10350.48
		3.8E-01	0.00	762.46	0.00	0.00	0.00	10266.07
		5.0E-01	0.00	936.88	0.00	0.00	0.00	10159.86
33	QPA	0.00	0.00	42.06	0.00	0.00	0.00	8593.71
		1.3E-01	0.00	196.89	0.00	0.00	0.00	8578.78
		2.5E-01	0.00	351.71	0.00	0.00	0.00	8544.49
		3.8E-01	0.00	506.54	0.00	0.00	0.00	8490.85
		5.0E-01	0.00	661.37	0.00	0.00	0.00	8417.86
33	SISMICAL	0.00	2.85	116.06	0.00	0.00	0.00	10079.18
		1.3E-01	1.93	293.92	0.00	0.00	0.00	10053.56
		2.5E-01	1.01	471.77	0.00	0.00	0.00	10005.71
		3.8E-01	9.220E-02	649.63	0.00	0.00	0.00	9935.62
		5.0E-01	-8.258E-01	827.49	0.00	0.00	0.00	9843.30
34	SLU1A	0.00	0.00	505.28	0.00	0.00	0.00	15392.04
		1.3E-01	0.00	798.39	0.00	0.00	0.00	15310.56
		2.5E-01	0.00	1091.50	0.00	0.00	0.00	15192.44
		3.8E-01	0.00	1384.61	0.00	0.00	0.00	15037.68
		5.0E-01	0.00	1677.71	0.00	0.00	0.00	14846.29
34	SLU2A	0.00	0.00	572.66	0.00	0.00	0.00	15051.26
		1.3E-01	0.00	826.17	0.00	0.00	0.00	14963.84
		2.5E-01	0.00	1079.68	0.00	0.00	0.00	14844.72
		3.8E-01	0.00	1333.19	0.00	0.00	0.00	14693.92
		5.0E-01	0.00	1586.70	0.00	0.00	0.00	14511.42
34	SLU3A	0.00	0.00	505.28	0.00	0.00	0.00	15392.04
		1.3E-01	0.00	798.39	0.00	0.00	0.00	15310.56
		2.5E-01	0.00	1091.50	0.00	0.00	0.00	15192.44
		3.8E-01	0.00	1384.61	0.00	0.00	0.00	15037.68
		5.0E-01	0.00	1677.71	0.00	0.00	0.00	14846.29
34	SLU4A	0.00	0.00	427.18	0.00	0.00	0.00	14738.78
		1.3E-01	0.00	712.94	0.00	0.00	0.00	14667.53
		2.5E-01	0.00	998.70	0.00	0.00	0.00	14560.55
		3.8E-01	0.00	1284.46	0.00	0.00	0.00	14417.85
		5.0E-01	0.00	1570.21	0.00	0.00	0.00	14239.43
34	SLU5A	0.00	0.00	310.03	0.00	0.00	0.00	13758.90
		1.3E-01	0.00	584.77	0.00	0.00	0.00	13702.98
		2.5E-01	0.00	859.50	0.00	0.00	0.00	13612.71
		3.8E-01	0.00	1134.23	0.00	0.00	0.00	13488.10

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	5.0E-01	0.00	1408.97	0.00	0.00	0.00	13329.15
34	RA1A						
	0.00	0.00	345.53	0.00	0.00	0.00	10822.55
	1.3E-01	0.00	551.26	0.00	0.00	0.00	10766.50
	2.5E-01	0.00	756.98	0.00	0.00	0.00	10684.73
	3.8E-01	0.00	962.71	0.00	0.00	0.00	10577.25
	5.0E-01	0.00	1168.44	0.00	0.00	0.00	10444.06
34	RA2A						
	0.00	0.00	345.53	0.00	0.00	0.00	10822.55
	1.3E-01	0.00	551.26	0.00	0.00	0.00	10766.50
	2.5E-01	0.00	756.98	0.00	0.00	0.00	10684.73
	3.8E-01	0.00	962.71	0.00	0.00	0.00	10577.25
	5.0E-01	0.00	1168.44	0.00	0.00	0.00	10444.06
34	FR1A						
	0.00	0.00	338.38	0.00	0.00	0.00	10159.86
	1.3E-01	0.00	512.81	0.00	0.00	0.00	10106.66
	2.5E-01	0.00	687.24	0.00	0.00	0.00	10031.66
	3.8E-01	0.00	861.67	0.00	0.00	0.00	9934.85
	5.0E-01	0.00	1036.09	0.00	0.00	0.00	9816.24
34	FR2A						
	0.00	0.00	338.38	0.00	0.00	0.00	10159.86
	1.3E-01	0.00	512.81	0.00	0.00	0.00	10106.66
	2.5E-01	0.00	687.24	0.00	0.00	0.00	10031.66
	3.8E-01	0.00	861.67	0.00	0.00	0.00	9934.85
	5.0E-01	0.00	1036.09	0.00	0.00	0.00	9816.24
34	QPA						
	0.00	0.00	130.12	0.00	0.00	0.00	8417.86
	1.3E-01	0.00	284.95	0.00	0.00	0.00	8391.91
	2.5E-01	0.00	439.77	0.00	0.00	0.00	8346.62
	3.8E-01	0.00	594.60	0.00	0.00	0.00	8281.97
	5.0E-01	0.00	749.43	0.00	0.00	0.00	8197.97
34	SISMICAL						
	0.00	2.71	226.67	0.00	0.00	0.00	9843.30
	1.3E-01	1.79	404.52	0.00	0.00	0.00	9803.85
	2.5E-01	8.746E-01	582.38	0.00	0.00	0.00	9742.17
	3.8E-01	-4.333E-02	760.24	0.00	0.00	0.00	9658.25
	5.0E-01	-9.613E-01	938.10	0.00	0.00	0.00	9552.11
35	SLU1A						
	0.00	0.00	667.25	0.00	0.00	0.00	14846.29
	1.3E-01	0.00	960.36	0.00	0.00	0.00	14744.56
	2.5E-01	0.00	1253.46	0.00	0.00	0.00	14606.20
	3.8E-01	0.00	1546.57	0.00	0.00	0.00	14431.20
	5.0E-01	0.00	1839.68	0.00	0.00	0.00	14219.56
35	SLU2A						
	0.00	0.00	733.30	0.00	0.00	0.00	14511.42
	1.3E-01	0.00	986.80	0.00	0.00	0.00	14403.92
	2.5E-01	0.00	1240.31	0.00	0.00	0.00	14264.72
	3.8E-01	0.00	1493.82	0.00	0.00	0.00	14093.84
	5.0E-01	0.00	1747.33	0.00	0.00	0.00	13891.27
35	SLU3A						
	0.00	0.00	667.25	0.00	0.00	0.00	14846.29
	1.3E-01	0.00	960.36	0.00	0.00	0.00	14744.56
	2.5E-01	0.00	1253.46	0.00	0.00	0.00	14606.20
	3.8E-01	0.00	1546.57	0.00	0.00	0.00	14431.20
	5.0E-01	0.00	1839.68	0.00	0.00	0.00	14219.56
35	SLU4A						
	0.00	0.00	584.00	0.00	0.00	0.00	14239.43
	1.3E-01	0.00	869.75	0.00	0.00	0.00	14148.58
	2.5E-01	0.00	1155.51	0.00	0.00	0.00	14022.00
	3.8E-01	0.00	1441.27	0.00	0.00	0.00	13859.70
	5.0E-01	0.00	1727.03	0.00	0.00	0.00	13661.68
35	SLU5A						
	0.00	0.00	459.12	0.00	0.00	0.00	13329.15
	1.3E-01	0.00	733.85	0.00	0.00	0.00	13254.59
	2.5E-01	0.00	1008.58	0.00	0.00	0.00	13145.69
	3.8E-01	0.00	1283.32	0.00	0.00	0.00	13002.45
	5.0E-01	0.00	1558.05	0.00	0.00	0.00	12824.86
35	RA1A						
	0.00	0.00	459.93	0.00	0.00	0.00	10444.06
	1.3E-01	0.00	665.66	0.00	0.00	0.00	10373.71
	2.5E-01	0.00	871.38	0.00	0.00	0.00	10277.64
	3.8E-01	0.00	1077.11	0.00	0.00	0.00	10155.86
	5.0E-01	0.00	1282.84	0.00	0.00	0.00	10008.36
35	RA2A						
	0.00	0.00	459.93	0.00	0.00	0.00	10444.06
	1.3E-01	0.00	665.66	0.00	0.00	0.00	10373.71
	2.5E-01	0.00	871.38	0.00	0.00	0.00	10277.64
	3.8E-01	0.00	1077.11	0.00	0.00	0.00	10155.86
	5.0E-01	0.00	1282.84	0.00	0.00	0.00	10008.36
35	FR1A						
	0.00	0.00	448.46	0.00	0.00	0.00	9816.24
	1.3E-01	0.00	622.89	0.00	0.00	0.00	9749.29
	2.5E-01	0.00	797.31	0.00	0.00	0.00	9660.52
	3.8E-01	0.00	971.74	0.00	0.00	0.00	9549.96
	5.0E-01	0.00	1146.17	0.00	0.00	0.00	9417.59
35	FR2A						
	0.00	0.00	448.46	0.00	0.00	0.00	9816.24
	1.3E-01	0.00	622.89	0.00	0.00	0.00	9749.29
	2.5E-01	0.00	797.31	0.00	0.00	0.00	9660.52

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	3.8E-01	0.00	971.74	0.00	0.00	0.00	9549.96
	5.0E-01	0.00	1146.17	0.00	0.00	0.00	9417.59
35	QPA						
	0.00	0.00	226.45	0.00	0.00	0.00	8197.97
	1.3E-01	0.00	381.28	0.00	0.00	0.00	8159.99
	2.5E-01	0.00	536.11	0.00	0.00	0.00	8102.65
	3.8E-01	0.00	690.93	0.00	0.00	0.00	8025.96
	5.0E-01	0.00	845.76	0.00	0.00	0.00	7929.92
35	SISMICAL						
	0.00	2.58	347.36	0.00	0.00	0.00	9552.11
	1.3E-01	1.66	525.22	0.00	0.00	0.00	9497.57
	2.5E-01	7.391E-01	703.08	0.00	0.00	0.00	9420.80
	3.8E-01	-1.788E-01	880.94	0.00	0.00	0.00	9321.80
	5.0E-01	-1.10	1058.79	0.00	0.00	0.00	9200.57
36	SLU1A						
	0.00	0.00	847.18	0.00	0.00	0.00	14219.56
	1.3E-01	0.00	1140.29	0.00	0.00	0.00	14095.34
	2.5E-01	0.00	1433.40	0.00	0.00	0.00	13934.48
	3.8E-01	0.00	1726.51	0.00	0.00	0.00	13736.99
	5.0E-01	0.00	2019.62	0.00	0.00	0.00	13502.85
36	SLU2A						
	0.00	0.00	911.86	0.00	0.00	0.00	13891.27
	1.3E-01	0.00	1165.37	0.00	0.00	0.00	13761.44
	2.5E-01	0.00	1418.88	0.00	0.00	0.00	13599.92
	3.8E-01	0.00	1672.38	0.00	0.00	0.00	13406.72
	5.0E-01	0.00	1925.89	0.00	0.00	0.00	13181.83
36	SLU3A						
	0.00	0.00	847.18	0.00	0.00	0.00	14219.56
	1.3E-01	0.00	1140.29	0.00	0.00	0.00	14095.34
	2.5E-01	0.00	1433.40	0.00	0.00	0.00	13934.48
	3.8E-01	0.00	1726.51	0.00	0.00	0.00	13736.99
	5.0E-01	0.00	2019.62	0.00	0.00	0.00	13502.85
36	SLU4A						
	0.00	0.00	757.75	0.00	0.00	0.00	13661.68
	1.3E-01	0.00	1043.50	0.00	0.00	0.00	13549.10
	2.5E-01	0.00	1329.26	0.00	0.00	0.00	13400.80
	3.8E-01	0.00	1615.02	0.00	0.00	0.00	13216.78
	5.0E-01	0.00	1900.78	0.00	0.00	0.00	12997.05
36	SLU5A						
	0.00	0.00	623.59	0.00	0.00	0.00	12824.86
	1.3E-01	0.00	898.32	0.00	0.00	0.00	12729.74
	2.5E-01	0.00	1173.05	0.00	0.00	0.00	12600.28
	3.8E-01	0.00	1447.79	0.00	0.00	0.00	12436.48
	5.0E-01	0.00	1722.52	0.00	0.00	0.00	12238.33
36	RA1A						
	0.00	0.00	586.92	0.00	0.00	0.00	10008.36
	1.3E-01	0.00	792.64	0.00	0.00	0.00	9922.14
	2.5E-01	0.00	998.37	0.00	0.00	0.00	9810.20
	3.8E-01	0.00	1204.10	0.00	0.00	0.00	9672.55
	5.0E-01	0.00	1409.83	0.00	0.00	0.00	9509.18
36	RA2A						
	0.00	0.00	586.92	0.00	0.00	0.00	10008.36
	1.3E-01	0.00	792.64	0.00	0.00	0.00	9922.14
	2.5E-01	0.00	998.37	0.00	0.00	0.00	9810.20
	3.8E-01	0.00	1204.10	0.00	0.00	0.00	9672.55
	5.0E-01	0.00	1409.83	0.00	0.00	0.00	9509.18
36	FR1A						
	0.00	0.00	570.41	0.00	0.00	0.00	9417.59
	1.3E-01	0.00	744.83	0.00	0.00	0.00	9335.38
	2.5E-01	0.00	919.26	0.00	0.00	0.00	9231.38
	3.8E-01	0.00	1093.69	0.00	0.00	0.00	9105.57
	5.0E-01	0.00	1268.12	0.00	0.00	0.00	8957.96
36	FR2A						
	0.00	0.00	570.41	0.00	0.00	0.00	9417.59
	1.3E-01	0.00	744.83	0.00	0.00	0.00	9335.38
	2.5E-01	0.00	919.26	0.00	0.00	0.00	9231.38
	3.8E-01	0.00	1093.69	0.00	0.00	0.00	9105.57
	5.0E-01	0.00	1268.12	0.00	0.00	0.00	8957.96
36	QPA						
	0.00	0.00	331.90	0.00	0.00	0.00	7929.92
	1.3E-01	0.00	486.73	0.00	0.00	0.00	7878.75
	2.5E-01	0.00	641.56	0.00	0.00	0.00	7808.23
	3.8E-01	0.00	796.39	0.00	0.00	0.00	7718.36
	5.0E-01	0.00	951.21	0.00	0.00	0.00	7609.14
36	SISMICAL						
	0.00	2.44	479.14	0.00	0.00	0.00	9200.57
	1.3E-01	1.52	657.00	0.00	0.00	0.00	9129.56
	2.5E-01	6.036E-01	834.85	0.00	0.00	0.00	9036.32
	3.8E-01	-3.143E-01	1012.71	0.00	0.00	0.00	8920.85
	5.0E-01	-1.23	1190.57	0.00	0.00	0.00	8783.14
37	SLU1A						
	0.00	0.00	1046.56	0.00	0.00	0.00	13502.85
	1.3E-01	0.00	1339.67	0.00	0.00	0.00	13353.72
	2.5E-01	0.00	1632.78	0.00	0.00	0.00	13167.94
	3.8E-01	0.00	1925.89	0.00	0.00	0.00	12945.52
	5.0E-01	0.00	2218.99	0.00	0.00	0.00	12686.47
37	SLU2A						
	0.00	0.00	1109.79	0.00	0.00	0.00	13181.83

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	1.3E-01	0.00	1363.30	0.00	0.00	0.00	13027.26
	2.5E-01	0.00	1616.80	0.00	0.00	0.00	12841.00
	3.8E-01	0.00	1870.31	0.00	0.00	0.00	12623.06
	5.0E-01	0.00	2123.82	0.00	0.00	0.00	12373.43
37	SLU3A						
	0.00	0.00	1046.56	0.00	0.00	0.00	13502.85
	1.3E-01	0.00	1339.67	0.00	0.00	0.00	13353.72
	2.5E-01	0.00	1632.78	0.00	0.00	0.00	13167.94
	3.8E-01	0.00	1925.89	0.00	0.00	0.00	12945.52
	5.0E-01	0.00	2218.99	0.00	0.00	0.00	12686.47
37	SLU4A						
	0.00	0.00	949.85	0.00	0.00	0.00	12997.05
	1.3E-01	0.00	1235.60	0.00	0.00	0.00	12860.46
	2.5E-01	0.00	1521.36	0.00	0.00	0.00	12688.15
	3.8E-01	0.00	1807.12	0.00	0.00	0.00	12480.12
	5.0E-01	0.00	2092.88	0.00	0.00	0.00	12236.37
37	SLU5A						
	0.00	0.00	804.78	0.00	0.00	0.00	12238.33
	1.3E-01	0.00	1079.51	0.00	0.00	0.00	12120.57
	2.5E-01	0.00	1354.24	0.00	0.00	0.00	11968.46
	3.8E-01	0.00	1628.98	0.00	0.00	0.00	11782.01
	5.0E-01	0.00	1903.71	0.00	0.00	0.00	11561.21
37	RA1A						
	0.00	0.00	727.53	0.00	0.00	0.00	9509.18
	1.3E-01	0.00	933.25	0.00	0.00	0.00	9405.38
	2.5E-01	0.00	1138.98	0.00	0.00	0.00	9275.87
	3.8E-01	0.00	1344.71	0.00	0.00	0.00	9120.63
	5.0E-01	0.00	1550.44	0.00	0.00	0.00	8939.69
37	RA2A						
	0.00	0.00	727.53	0.00	0.00	0.00	9509.18
	1.3E-01	0.00	933.25	0.00	0.00	0.00	9405.38
	2.5E-01	0.00	1138.98	0.00	0.00	0.00	9275.87
	3.8E-01	0.00	1344.71	0.00	0.00	0.00	9120.63
	5.0E-01	0.00	1550.44	0.00	0.00	0.00	8939.69
37	FR1A						
	0.00	0.00	705.20	0.00	0.00	0.00	8957.96
	1.3E-01	0.00	879.63	0.00	0.00	0.00	8858.90
	2.5E-01	0.00	1054.06	0.00	0.00	0.00	8738.05
	3.8E-01	0.00	1228.48	0.00	0.00	0.00	8595.39
	5.0E-01	0.00	1402.91	0.00	0.00	0.00	8430.93
37	FR2A						
	0.00	0.00	705.20	0.00	0.00	0.00	8957.96
	1.3E-01	0.00	879.63	0.00	0.00	0.00	8858.90
	2.5E-01	0.00	1054.06	0.00	0.00	0.00	8738.05
	3.8E-01	0.00	1228.48	0.00	0.00	0.00	8595.39
	5.0E-01	0.00	1402.91	0.00	0.00	0.00	8430.93
37	QPA						
	0.00	0.00	447.30	0.00	0.00	0.00	7609.14
	1.3E-01	0.00	602.13	0.00	0.00	0.00	7543.55
	2.5E-01	0.00	756.95	0.00	0.00	0.00	7458.60
	3.8E-01	0.00	911.78	0.00	0.00	0.00	7354.31
	5.0E-01	0.00	1066.61	0.00	0.00	0.00	7230.66
37	SISMICAL						
	0.00	2.30	622.95	0.00	0.00	0.00	8783.14
	1.3E-01	1.39	800.81	0.00	0.00	0.00	8694.16
	2.5E-01	4.681E-01	978.67	0.00	0.00	0.00	8582.94
	3.8E-01	-4.498E-01	1156.53	0.00	0.00	0.00	8449.49
	5.0E-01	-1.37	1334.38	0.00	0.00	0.00	8293.81
38	SLU1A						
	0.00	0.00	1266.79	0.00	0.00	0.00	12686.47
	1.3E-01	0.00	1558.35	0.00	0.00	0.00	12509.86
	2.5E-01	0.00	1846.84	0.00	0.00	0.00	12297.01
	3.8E-01	0.00	2132.26	0.00	0.00	0.00	12048.28
	5.0E-01	0.00	2414.62	0.00	0.00	0.00	11764.07
38	SLU2A						
	0.00	0.00	1328.47	0.00	0.00	0.00	12373.43
	1.3E-01	0.00	1580.42	0.00	0.00	0.00	12191.59
	2.5E-01	0.00	1829.31	0.00	0.00	0.00	11978.45
	3.8E-01	0.00	2075.14	0.00	0.00	0.00	11734.39
	5.0E-01	0.00	2317.90	0.00	0.00	0.00	11459.79
38	SLU3A						
	0.00	0.00	1266.79	0.00	0.00	0.00	12686.47
	1.3E-01	0.00	1558.35	0.00	0.00	0.00	12509.86
	2.5E-01	0.00	1846.84	0.00	0.00	0.00	12297.01
	3.8E-01	0.00	2132.26	0.00	0.00	0.00	12048.28
	5.0E-01	0.00	2414.62	0.00	0.00	0.00	11764.07
38	SLU4A						
	0.00	0.00	1161.66	0.00	0.00	0.00	12236.37
	1.3E-01	0.00	1445.87	0.00	0.00	0.00	12073.36
	2.5E-01	0.00	1727.01	0.00	0.00	0.00	11875.03
	3.8E-01	0.00	2005.08	0.00	0.00	0.00	11641.74
	5.0E-01	0.00	2280.09	0.00	0.00	0.00	11373.88
38	SLU5A						
	0.00	0.00	1003.96	0.00	0.00	0.00	11561.21
	1.3E-01	0.00	1277.14	0.00	0.00	0.00	11418.61
	2.5E-01	0.00	1547.26	0.00	0.00	0.00	11242.06
	3.8E-01	0.00	1814.31	0.00	0.00	0.00	11031.93
	5.0E-01	0.00	2078.29	0.00	0.00	0.00	10788.61
38	RA1A						

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	0.00	0.00	882.76	0.00	0.00	0.00	8939.69
	1.3E-01	0.00	1087.38	0.00	0.00	0.00	8816.53
	2.5E-01	0.00	1289.80	0.00	0.00	0.00	8667.94
	3.8E-01	0.00	1490.04	0.00	0.00	0.00	8494.17
	5.0E-01	0.00	1688.09	0.00	0.00	0.00	8295.52
38	RA2A						
	0.00	0.00	882.76	0.00	0.00	0.00	8939.69
	1.3E-01	0.00	1087.38	0.00	0.00	0.00	8816.53
	2.5E-01	0.00	1289.80	0.00	0.00	0.00	8667.94
	3.8E-01	0.00	1490.04	0.00	0.00	0.00	8494.17
	5.0E-01	0.00	1688.09	0.00	0.00	0.00	8295.52
38	FR1A						
	0.00	0.00	853.79	0.00	0.00	0.00	8430.93
	1.3E-01	0.00	1027.10	0.00	0.00	0.00	8313.35
	2.5E-01	0.00	1198.23	0.00	0.00	0.00	8174.24
	3.8E-01	0.00	1367.17	0.00	0.00	0.00	8013.88
	5.0E-01	0.00	1533.92	0.00	0.00	0.00	7832.54
38	FR2A						
	0.00	0.00	853.79	0.00	0.00	0.00	8430.93
	1.3E-01	0.00	1027.10	0.00	0.00	0.00	8313.35
	2.5E-01	0.00	1198.23	0.00	0.00	0.00	8174.24
	3.8E-01	0.00	1367.17	0.00	0.00	0.00	8013.88
	5.0E-01	0.00	1533.92	0.00	0.00	0.00	7832.54
38	QPA						
	0.00	0.00	573.43	0.00	0.00	0.00	7230.66
	1.3E-01	0.00	727.15	0.00	0.00	0.00	7149.35
	2.5E-01	0.00	878.68	0.00	0.00	0.00	7048.96
	3.8E-01	0.00	1028.02	0.00	0.00	0.00	6929.77
	5.0E-01	0.00	1175.17	0.00	0.00	0.00	6792.05
38	SISMICAL						
	0.00	2.17	779.74	0.00	0.00	0.00	8293.81
	1.3E-01	1.25	956.49	0.00	0.00	0.00	8185.27
	2.5E-01	3.327E-01	1131.05	0.00	0.00	0.00	8054.78
	3.8E-01	-5.853E-01	1303.42	0.00	0.00	0.00	7902.60
	5.0E-01	-1.50	1473.60	0.00	0.00	0.00	7729.01
39	SLU1A						
	0.00	0.00	1484.63	0.00	0.00	0.00	11764.07
	1.3E-01	0.00	1763.92	0.00	0.00	0.00	11561.00
	2.5E-01	0.00	2040.15	0.00	0.00	0.00	11323.21
	3.8E-01	0.00	2313.32	0.00	0.00	0.00	11051.09
	5.0E-01	0.00	2583.41	0.00	0.00	0.00	10745.01
39	SLU2A						
	0.00	0.00	1544.61	0.00	0.00	0.00	11459.79
	1.3E-01	0.00	1784.31	0.00	0.00	0.00	11251.70
	2.5E-01	0.00	2020.94	0.00	0.00	0.00	11013.84
	3.8E-01	0.00	2254.50	0.00	0.00	0.00	10746.60
	5.0E-01	0.00	2485.00	0.00	0.00	0.00	10450.35
39	SLU3A						
	0.00	0.00	1484.63	0.00	0.00	0.00	11764.07
	1.3E-01	0.00	1763.92	0.00	0.00	0.00	11561.00
	2.5E-01	0.00	2040.15	0.00	0.00	0.00	11323.21
	3.8E-01	0.00	2313.32	0.00	0.00	0.00	11051.09
	5.0E-01	0.00	2583.41	0.00	0.00	0.00	10745.01
39	SLU4A						
	0.00	0.00	1369.89	0.00	0.00	0.00	11373.88
	1.3E-01	0.00	1641.83	0.00	0.00	0.00	11185.62
	2.5E-01	0.00	1910.71	0.00	0.00	0.00	10963.55
	3.8E-01	0.00	2176.53	0.00	0.00	0.00	10708.07
	5.0E-01	0.00	2439.27	0.00	0.00	0.00	10419.55
39	SLU5A						
	0.00	0.00	1197.78	0.00	0.00	0.00	10788.61
	1.3E-01	0.00	1458.70	0.00	0.00	0.00	10622.54
	2.5E-01	0.00	1716.55	0.00	0.00	0.00	10424.06
	3.8E-01	0.00	1971.34	0.00	0.00	0.00	10193.53
	5.0E-01	0.00	2223.06	0.00	0.00	0.00	9931.35
39	RA1A						
	0.00	0.00	1035.99	0.00	0.00	0.00	8295.52
	1.3E-01	0.00	1231.85	0.00	0.00	0.00	8153.75
	2.5E-01	0.00	1425.52	0.00	0.00	0.00	7987.64
	3.8E-01	0.00	1617.00	0.00	0.00	0.00	7797.47
	5.0E-01	0.00	1806.29	0.00	0.00	0.00	7583.49
39	RA2A						
	0.00	0.00	1035.99	0.00	0.00	0.00	8295.52
	1.3E-01	0.00	1231.85	0.00	0.00	0.00	8153.75
	2.5E-01	0.00	1425.52	0.00	0.00	0.00	7987.64
	3.8E-01	0.00	1617.00	0.00	0.00	0.00	7797.47
	5.0E-01	0.00	1806.29	0.00	0.00	0.00	7583.49
39	FR1A						
	0.00	0.00	999.48	0.00	0.00	0.00	7832.54
	1.3E-01	0.00	1164.04	0.00	0.00	0.00	7697.30
	2.5E-01	0.00	1326.41	0.00	0.00	0.00	7541.62
	3.8E-01	0.00	1486.59	0.00	0.00	0.00	7365.79
	5.0E-01	0.00	1644.59	0.00	0.00	0.00	7170.06
39	FR2A						
	0.00	0.00	999.48	0.00	0.00	0.00	7832.54
	1.3E-01	0.00	1164.04	0.00	0.00	0.00	7697.30
	2.5E-01	0.00	1326.41	0.00	0.00	0.00	7541.62
	3.8E-01	0.00	1486.59	0.00	0.00	0.00	7365.79
	5.0E-01	0.00	1644.59	0.00	0.00	0.00	7170.06

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39	QPA						
		0.00	0.00	693.51	0.00	0.00	6792.05
		1.3E-01	0.00	838.47	0.00	0.00	6696.28
		2.5E-01	0.00	981.24	0.00	0.00	6582.52
		3.8E-01	0.00	1121.82	0.00	0.00	6451.06
		5.0E-01	0.00	1260.21	0.00	0.00	6302.16
39	SISMICAL						
		0.00	2.03	932.82	0.00	0.00	7729.01
		1.3E-01	1.12	1100.81	0.00	0.00	7601.89
		2.5E-01	1.972E-01	1266.61	0.00	0.00	7453.90
		3.8E-01	-7.208E-01	1430.22	0.00	0.00	7285.33
		5.0E-01	-1.64	1591.65	0.00	0.00	7096.44
40	SLU1A						
		0.00	0.00	1676.88	0.00	0.00	10745.01
		1.3E-01	0.00	1907.17	0.00	0.00	10520.98
		2.5E-01	0.00	2134.38	0.00	0.00	10268.35
		3.8E-01	0.00	2358.54	0.00	0.00	9987.51
		5.0E-01	0.00	2579.62	0.00	0.00	9678.84
40	SLU2A						
		0.00	0.00	1735.01	0.00	0.00	10450.35
		1.3E-01	0.00	1925.69	0.00	0.00	10221.52
		2.5E-01	0.00	2113.31	0.00	0.00	9969.05
		3.8E-01	0.00	2297.86	0.00	0.00	9693.32
		5.0E-01	0.00	2479.35	0.00	0.00	9394.71
40	SLU3A						
		0.00	0.00	1676.88	0.00	0.00	10745.01
		1.3E-01	0.00	1907.17	0.00	0.00	10520.98
		2.5E-01	0.00	2134.38	0.00	0.00	10268.35
		3.8E-01	0.00	2358.54	0.00	0.00	9987.51
		5.0E-01	0.00	2579.62	0.00	0.00	9678.84
40	SLU4A						
		0.00	0.00	1551.30	0.00	0.00	10419.55
		1.3E-01	0.00	1781.58	0.00	0.00	10211.21
		2.5E-01	0.00	2008.80	0.00	0.00	9974.28
		3.8E-01	0.00	2232.95	0.00	0.00	9709.14
		5.0E-01	0.00	2454.04	0.00	0.00	9416.17
40	SLU5A						
		0.00	0.00	1362.92	0.00	0.00	9931.35
		1.3E-01	0.00	1593.20	0.00	0.00	9746.56
		2.5E-01	0.00	1820.42	0.00	0.00	9533.18
		3.8E-01	0.00	2044.57	0.00	0.00	9291.58
		5.0E-01	0.00	2265.66	0.00	0.00	9022.16
40	RA1A						
		0.00	0.00	1170.64	0.00	0.00	7583.49
		1.3E-01	0.00	1333.24	0.00	0.00	7426.97
		2.5E-01	0.00	1493.65	0.00	0.00	7250.27
		3.8E-01	0.00	1651.88	0.00	0.00	7053.65
		5.0E-01	0.00	1807.91	0.00	0.00	6837.39
40	RA2A						
		0.00	0.00	1170.64	0.00	0.00	7583.49
		1.3E-01	0.00	1333.24	0.00	0.00	7426.97
		2.5E-01	0.00	1493.65	0.00	0.00	7250.27
		3.8E-01	0.00	1651.88	0.00	0.00	7053.65
		5.0E-01	0.00	1807.91	0.00	0.00	6837.39
40	FR1A						
		0.00	0.00	1125.67	0.00	0.00	7170.06
		1.3E-01	0.00	1261.87	0.00	0.00	7020.82
		2.5E-01	0.00	1395.88	0.00	0.00	6854.69
		3.8E-01	0.00	1527.71	0.00	0.00	6671.94
		5.0E-01	0.00	1657.34	0.00	0.00	6472.85
40	FR2A						
		0.00	0.00	1125.67	0.00	0.00	7170.06
		1.3E-01	0.00	1261.87	0.00	0.00	7020.82
		2.5E-01	0.00	1395.88	0.00	0.00	6854.69
		3.8E-01	0.00	1527.71	0.00	0.00	6671.94
		5.0E-01	0.00	1657.34	0.00	0.00	6472.85
40	QPA						
		0.00	0.00	790.78	0.00	0.00	6302.16
		1.3E-01	0.00	926.98	0.00	0.00	6194.78
		2.5E-01	0.00	1060.99	0.00	0.00	6070.51
		3.8E-01	0.00	1192.81	0.00	0.00	5929.62
		5.0E-01	0.00	1322.45	0.00	0.00	5772.39
40	SISMICAL						
		0.00	1.90	1065.56	0.00	0.00	7096.44
		1.3E-01	9.797E-01	1206.14	0.00	0.00	6954.43
		2.5E-01	6.173E-02	1344.54	0.00	0.00	6794.99
		3.8E-01	-8.562E-01	1480.74	0.00	0.00	6618.39
		5.0E-01	-1.77	1614.75	0.00	0.00	6424.90
41	SLU1A						
		0.00	0.00	1697.63	0.00	0.00	9678.84
		1.3E-01	0.00	1915.65	0.00	0.00	9452.98
		2.5E-01	0.00	2130.61	0.00	0.00	9200.06
		3.8E-01	0.00	2342.50	0.00	0.00	8920.46
		5.0E-01	0.00	2551.33	0.00	0.00	8614.56
41	SLU2A						
		0.00	0.00	1753.70	0.00	0.00	9394.71
		1.3E-01	0.00	1932.13	0.00	0.00	9164.32
		2.5E-01	0.00	2107.48	0.00	0.00	8911.81

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		3.8E-01	0.00	2279.77	0.00	0.00	0.00	8637.57
		5.0E-01	0.00	2449.00	0.00	0.00	0.00	8341.99
41	SLU3A							
		0.00	0.00	1697.63	0.00	0.00	0.00	9678.84
		1.3E-01	0.00	1915.65	0.00	0.00	0.00	9452.98
		2.5E-01	0.00	2130.61	0.00	0.00	0.00	9200.06
		3.8E-01	0.00	2342.50	0.00	0.00	0.00	8920.46
		5.0E-01	0.00	2551.33	0.00	0.00	0.00	8614.56
41	SLU4A							
		0.00	0.00	1589.34	0.00	0.00	0.00	9416.17
		1.3E-01	0.00	1807.36	0.00	0.00	0.00	9203.85
		2.5E-01	0.00	2022.32	0.00	0.00	0.00	8964.46
		3.8E-01	0.00	2234.21	0.00	0.00	0.00	8698.39
		5.0E-01	0.00	2443.04	0.00	0.00	0.00	8406.03
41	SLU5A							
		0.00	0.00	1426.90	0.00	0.00	0.00	9022.16
		1.3E-01	0.00	1644.92	0.00	0.00	0.00	8830.14
		2.5E-01	0.00	1859.88	0.00	0.00	0.00	8611.06
		3.8E-01	0.00	2071.77	0.00	0.00	0.00	8365.30
		5.0E-01	0.00	2280.60	0.00	0.00	0.00	8093.24
41	RA1A							
		0.00	0.00	1189.48	0.00	0.00	0.00	6837.39
		1.3E-01	0.00	1343.32	0.00	0.00	0.00	6679.07
		2.5E-01	0.00	1494.98	0.00	0.00	0.00	6501.65
		3.8E-01	0.00	1644.44	0.00	0.00	0.00	6305.41
		5.0E-01	0.00	1791.72	0.00	0.00	0.00	6090.63
41	RA2A							
		0.00	0.00	1189.48	0.00	0.00	0.00	6837.39
		1.3E-01	0.00	1343.32	0.00	0.00	0.00	6679.07
		2.5E-01	0.00	1494.98	0.00	0.00	0.00	6501.65
		3.8E-01	0.00	1644.44	0.00	0.00	0.00	6305.41
		5.0E-01	0.00	1791.72	0.00	0.00	0.00	6090.63
41	FR1A							
		0.00	0.00	1154.67	0.00	0.00	0.00	6472.85
		1.3E-01	0.00	1282.11	0.00	0.00	0.00	6320.53
		2.5E-01	0.00	1407.37	0.00	0.00	0.00	6152.42
		3.8E-01	0.00	1530.43	0.00	0.00	0.00	5968.78
		5.0E-01	0.00	1651.31	0.00	0.00	0.00	5769.90
41	FR2A							
		0.00	0.00	1154.67	0.00	0.00	0.00	6472.85
		1.3E-01	0.00	1282.11	0.00	0.00	0.00	6320.53
		2.5E-01	0.00	1407.37	0.00	0.00	0.00	6152.42
		3.8E-01	0.00	1530.43	0.00	0.00	0.00	5968.78
		5.0E-01	0.00	1651.31	0.00	0.00	0.00	5769.90
41	QPA							
		0.00	0.00	865.89	0.00	0.00	0.00	5772.39
		1.3E-01	0.00	993.34	0.00	0.00	0.00	5656.17
		2.5E-01	0.00	1118.59	0.00	0.00	0.00	5524.15
		3.8E-01	0.00	1241.66	0.00	0.00	0.00	5376.61
		5.0E-01	0.00	1362.53	0.00	0.00	0.00	5213.83
41	SISMICAL							
		0.00	1.76	1104.09	0.00	0.00	0.00	6424.90
		1.3E-01	8.442E-01	1235.91	0.00	0.00	0.00	6278.62
		2.5E-01	-7.374E-02	1365.55	0.00	0.00	0.00	6116.01
		3.8E-01	-9.917E-01	1492.99	0.00	0.00	0.00	5937.33
		5.0E-01	-1.91	1618.25	0.00	0.00	0.00	5742.85
42	SLU1A							
		0.00	0.00	1694.78	0.00	0.00	0.00	8614.56
		1.3E-01	0.00	1900.54	0.00	0.00	0.00	8389.82
		2.5E-01	0.00	2103.24	0.00	0.00	0.00	8139.55
		3.8E-01	0.00	2302.87	0.00	0.00	0.00	7864.14
		5.0E-01	0.00	2499.43	0.00	0.00	0.00	7563.97
42	SLU2A							
		0.00	0.00	1748.58	0.00	0.00	0.00	8341.99
		1.3E-01	0.00	1914.74	0.00	0.00	0.00	8113.00
		2.5E-01	0.00	2077.83	0.00	0.00	0.00	7863.44
		3.8E-01	0.00	2237.86	0.00	0.00	0.00	7593.67
		5.0E-01	0.00	2394.83	0.00	0.00	0.00	7304.10
42	SLU3A							
		0.00	0.00	1694.78	0.00	0.00	0.00	8614.56
		1.3E-01	0.00	1900.54	0.00	0.00	0.00	8389.82
		2.5E-01	0.00	2103.24	0.00	0.00	0.00	8139.55
		3.8E-01	0.00	2302.87	0.00	0.00	0.00	7864.14
		5.0E-01	0.00	2499.43	0.00	0.00	0.00	7563.97
42	SLU4A							
		0.00	0.00	1602.51	0.00	0.00	0.00	8406.03
		1.3E-01	0.00	1808.27	0.00	0.00	0.00	8192.83
		2.5E-01	0.00	2010.96	0.00	0.00	0.00	7954.10
		3.8E-01	0.00	2210.60	0.00	0.00	0.00	7690.22
		5.0E-01	0.00	2407.16	0.00	0.00	0.00	7401.57
42	SLU5A							
		0.00	0.00	1464.10	0.00	0.00	0.00	8093.24
		1.3E-01	0.00	1669.86	0.00	0.00	0.00	7897.34
		2.5E-01	0.00	1872.56	0.00	0.00	0.00	7675.91
		3.8E-01	0.00	2072.19	0.00	0.00	0.00	7429.33
		5.0E-01	0.00	2268.75	0.00	0.00	0.00	7157.99
42	RA1A							
		0.00	0.00	1191.15	0.00	0.00	0.00	6090.63
		1.3E-01	0.00	1336.24	0.00	0.00	0.00	5932.65

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	2.5E-01	0.00	1479.13	0.00	0.00	0.00	5756.66
	3.8E-01	0.00	1619.84	0.00	0.00	0.00	5562.95
	5.0E-01	0.00	1758.36	0.00	0.00	0.00	5351.79
42	RA2A						
	0.00	0.00	1191.15	0.00	0.00	0.00	6090.63
	1.3E-01	0.00	1336.24	0.00	0.00	0.00	5932.65
	2.5E-01	0.00	1479.13	0.00	0.00	0.00	5756.66
	3.8E-01	0.00	1619.84	0.00	0.00	0.00	5562.95
	5.0E-01	0.00	1758.36	0.00	0.00	0.00	5351.79
42	FR1A						
	0.00	0.00	1165.50	0.00	0.00	0.00	5769.90
	1.3E-01	0.00	1284.19	0.00	0.00	0.00	5616.77
	2.5E-01	0.00	1400.68	0.00	0.00	0.00	5448.94
	3.8E-01	0.00	1514.99	0.00	0.00	0.00	5266.69
	5.0E-01	0.00	1627.11	0.00	0.00	0.00	5070.29
42	FR2A						
	0.00	0.00	1165.50	0.00	0.00	0.00	5769.90
	1.3E-01	0.00	1284.19	0.00	0.00	0.00	5616.77
	2.5E-01	0.00	1400.68	0.00	0.00	0.00	5448.94
	3.8E-01	0.00	1514.99	0.00	0.00	0.00	5266.69
	5.0E-01	0.00	1627.11	0.00	0.00	0.00	5070.29
42	QPA						
	0.00	0.00	919.44	0.00	0.00	0.00	5213.83
	1.3E-01	0.00	1038.13	0.00	0.00	0.00	5091.46
	2.5E-01	0.00	1154.63	0.00	0.00	0.00	4954.39
	3.8E-01	0.00	1268.93	0.00	0.00	0.00	4802.89
	5.0E-01	0.00	1381.05	0.00	0.00	0.00	4637.24
42	SISMICAL						
	0.00	1.63	1123.62	0.00	0.00	0.00	5742.85
	1.3E-01	7.088E-01	1246.69	0.00	0.00	0.00	5594.69
	2.5E-01	-2.092E-01	1367.56	0.00	0.00	0.00	5431.27
	3.8E-01	-1.13	1486.25	0.00	0.00	0.00	5252.89
	5.0E-01	-2.05	1602.75	0.00	0.00	0.00	5059.80
43	SLU1A						
	0.00	0.00	1669.12	0.00	0.00	0.00	7563.97
	1.3E-01	0.00	1862.62	0.00	0.00	0.00	7343.20
	2.5E-01	0.00	2053.06	0.00	0.00	0.00	7098.44
	3.8E-01	0.00	2240.43	0.00	0.00	0.00	6830.06
	5.0E-01	0.00	2424.73	0.00	0.00	0.00	6538.46
43	SLU2A						
	0.00	0.00	1720.39	0.00	0.00	0.00	7304.10
	1.3E-01	0.00	1874.29	0.00	0.00	0.00	7079.40
	2.5E-01	0.00	2025.12	0.00	0.00	0.00	6835.65
	3.8E-01	0.00	2172.89	0.00	0.00	0.00	6573.25
	5.0E-01	0.00	2317.59	0.00	0.00	0.00	6292.56
43	SLU3A						
	0.00	0.00	1669.12	0.00	0.00	0.00	7563.97
	1.3E-01	0.00	1862.62	0.00	0.00	0.00	7343.20
	2.5E-01	0.00	2053.06	0.00	0.00	0.00	7098.44
	3.8E-01	0.00	2240.43	0.00	0.00	0.00	6830.06
	5.0E-01	0.00	2424.73	0.00	0.00	0.00	6538.46
43	SLU4A						
	0.00	0.00	1591.59	0.00	0.00	0.00	7401.57
	1.3E-01	0.00	1785.09	0.00	0.00	0.00	7190.50
	2.5E-01	0.00	1975.52	0.00	0.00	0.00	6955.43
	3.8E-01	0.00	2162.89	0.00	0.00	0.00	6696.75
	5.0E-01	0.00	2347.20	0.00	0.00	0.00	6414.84
43	SLU5A						
	0.00	0.00	1475.29	0.00	0.00	0.00	7157.99
	1.3E-01	0.00	1668.79	0.00	0.00	0.00	6961.45
	2.5E-01	0.00	1859.22	0.00	0.00	0.00	6740.92
	3.8E-01	0.00	2046.59	0.00	0.00	0.00	6496.77
	5.0E-01	0.00	2230.90	0.00	0.00	0.00	6229.40
43	RA1A						
	0.00	0.00	1176.21	0.00	0.00	0.00	5351.79
	1.3E-01	0.00	1312.54	0.00	0.00	0.00	5196.22
	2.5E-01	0.00	1446.68	0.00	0.00	0.00	5023.75
	3.8E-01	0.00	1578.63	0.00	0.00	0.00	4834.65
	5.0E-01	0.00	1708.39	0.00	0.00	0.00	4629.18
43	RA2A						
	0.00	0.00	1176.21	0.00	0.00	0.00	5351.79
	1.3E-01	0.00	1312.54	0.00	0.00	0.00	5196.22
	2.5E-01	0.00	1446.68	0.00	0.00	0.00	5023.75
	3.8E-01	0.00	1578.63	0.00	0.00	0.00	4834.65
	5.0E-01	0.00	1708.39	0.00	0.00	0.00	4629.18
43	FR1A						
	0.00	0.00	1158.70	0.00	0.00	0.00	5070.29
	1.3E-01	0.00	1268.63	0.00	0.00	0.00	4918.56
	2.5E-01	0.00	1376.37	0.00	0.00	0.00	4753.22
	3.8E-01	0.00	1481.92	0.00	0.00	0.00	4574.56
	5.0E-01	0.00	1585.28	0.00	0.00	0.00	4382.83
43	FR2A						
	0.00	0.00	1158.70	0.00	0.00	0.00	5070.29
	1.3E-01	0.00	1268.63	0.00	0.00	0.00	4918.56
	2.5E-01	0.00	1376.37	0.00	0.00	0.00	4753.22
	3.8E-01	0.00	1481.92	0.00	0.00	0.00	4574.56
	5.0E-01	0.00	1585.28	0.00	0.00	0.00	4382.83
43	QPA						
	0.00	0.00	951.94	0.00	0.00	0.00	4637.24

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	1.3E-01	0.00	1061.87	0.00	0.00	0.00	4511.36
	2.5E-01	0.00	1169.61	0.00	0.00	0.00	4371.87
	3.8E-01	0.00	1275.16	0.00	0.00	0.00	4219.05
	5.0E-01	0.00	1378.52	0.00	0.00	0.00	4053.17
43	SISMICAL						
	0.00	1.49	1124.70	0.00	0.00	0.00	5059.80
	1.3E-01	5.733E-01	1239.01	0.00	0.00	0.00	4912.05
	2.5E-01	-3.447E-01	1351.13	0.00	0.00	0.00	4750.14
	3.8E-01	-1.26	1461.05	0.00	0.00	0.00	4574.36
	5.0E-01	-2.18	1568.79	0.00	0.00	0.00	4384.97
44	SLU1A						
	0.00	0.00	1621.33	0.00	0.00	0.00	6538.46
	1.3E-01	0.00	1802.57	0.00	0.00	0.00	6324.43
	2.5E-01	0.00	1980.74	0.00	0.00	0.00	6087.95
	3.8E-01	0.00	2155.85	0.00	0.00	0.00	5829.38
	5.0E-01	0.00	2327.89	0.00	0.00	0.00	5549.11
44	SLU2A						
	0.00	0.00	1669.78	0.00	0.00	0.00	6292.56
	1.3E-01	0.00	1811.42	0.00	0.00	0.00	6074.95
	2.5E-01	0.00	1949.99	0.00	0.00	0.00	5839.83
	3.8E-01	0.00	2085.50	0.00	0.00	0.00	5587.58
	5.0E-01	0.00	2217.95	0.00	0.00	0.00	5318.58
44	SLU3A						
	0.00	0.00	1621.33	0.00	0.00	0.00	6538.46
	1.3E-01	0.00	1802.57	0.00	0.00	0.00	6324.43
	2.5E-01	0.00	1980.74	0.00	0.00	0.00	6087.95
	3.8E-01	0.00	2155.85	0.00	0.00	0.00	5829.38
	5.0E-01	0.00	2327.89	0.00	0.00	0.00	5549.11
44	SLU4A						
	0.00	0.00	1557.25	0.00	0.00	0.00	6414.84
	1.3E-01	0.00	1738.48	0.00	0.00	0.00	6208.82
	2.5E-01	0.00	1916.66	0.00	0.00	0.00	5980.34
	3.8E-01	0.00	2091.77	0.00	0.00	0.00	5729.78
	5.0E-01	0.00	2263.81	0.00	0.00	0.00	5457.53
44	SLU5A						
	0.00	0.00	1461.12	0.00	0.00	0.00	6229.40
	1.3E-01	0.00	1642.36	0.00	0.00	0.00	6035.40
	2.5E-01	0.00	1820.54	0.00	0.00	0.00	5818.94
	3.8E-01	0.00	1995.64	0.00	0.00	0.00	5580.39
	5.0E-01	0.00	2167.69	0.00	0.00	0.00	5320.15
44	RA1A						
	0.00	0.00	1145.14	0.00	0.00	0.00	4629.18
	1.3E-01	0.00	1272.71	0.00	0.00	0.00	4478.05
	2.5E-01	0.00	1398.09	0.00	0.00	0.00	4311.10
	3.8E-01	0.00	1521.28	0.00	0.00	0.00	4128.61
	5.0E-01	0.00	1642.29	0.00	0.00	0.00	3930.87
44	RA2A						
	0.00	0.00	1145.14	0.00	0.00	0.00	4629.18
	1.3E-01	0.00	1272.71	0.00	0.00	0.00	4478.05
	2.5E-01	0.00	1398.09	0.00	0.00	0.00	4311.10
	3.8E-01	0.00	1521.28	0.00	0.00	0.00	4128.61
	5.0E-01	0.00	1642.29	0.00	0.00	0.00	3930.87
44	FR1A						
	0.00	0.00	1134.72	0.00	0.00	0.00	4382.83
	1.3E-01	0.00	1235.89	0.00	0.00	0.00	4234.65
	2.5E-01	0.00	1334.87	0.00	0.00	0.00	4073.95
	3.8E-01	0.00	1431.67	0.00	0.00	0.00	3901.02
	5.0E-01	0.00	1526.27	0.00	0.00	0.00	3716.13
44	FR2A						
	0.00	0.00	1134.72	0.00	0.00	0.00	4382.83
	1.3E-01	0.00	1235.89	0.00	0.00	0.00	4234.65
	2.5E-01	0.00	1334.87	0.00	0.00	0.00	4073.95
	3.8E-01	0.00	1431.67	0.00	0.00	0.00	3901.02
	5.0E-01	0.00	1526.27	0.00	0.00	0.00	3716.13
44	QPA						
	0.00	0.00	963.84	0.00	0.00	0.00	4053.17
	1.3E-01	0.00	1065.01	0.00	0.00	0.00	3926.34
	2.5E-01	0.00	1163.99	0.00	0.00	0.00	3787.01
	3.8E-01	0.00	1260.78	0.00	0.00	0.00	3635.44
	5.0E-01	0.00	1355.38	0.00	0.00	0.00	3471.90
44	SISMICAL						
	0.00	1.36	1107.79	0.00	0.00	0.00	4384.97
	1.3E-01	4.378E-01	1213.34	0.00	0.00	0.00	4239.88
	2.5E-01	-4.802E-01	1316.70	0.00	0.00	0.00	4081.73
	3.8E-01	-1.40	1417.87	0.00	0.00	0.00	3910.79
	5.0E-01	-2.32	1516.85	0.00	0.00	0.00	3727.35
45	SLU1A						
	0.00	0.00	1551.96	0.00	0.00	0.00	5549.11
	1.3E-01	0.00	1720.94	0.00	0.00	0.00	5344.52
	2.5E-01	0.00	1886.85	0.00	0.00	0.00	5119.00
	3.8E-01	0.00	2049.70	0.00	0.00	0.00	4872.94
	5.0E-01	0.00	2209.48	0.00	0.00	0.00	4606.71
45	SLU2A						
	0.00	0.00	1597.30	0.00	0.00	0.00	5318.58
	1.3E-01	0.00	1726.67	0.00	0.00	0.00	5110.80
	2.5E-01	0.00	1852.99	0.00	0.00	0.00	4887.04
	3.8E-01	0.00	1976.24	0.00	0.00	0.00	4647.68
	5.0E-01	0.00	2096.42	0.00	0.00	0.00	4393.11

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 RELAZIONE DI CALCOLO OPERE PROVVISORIALI

45	SLU3A	0.00	0.00	1551.96	0.00	0.00	0.00	5549.11
		1.3E-01	0.00	1720.94	0.00	0.00	0.00	5344.52
		2.5E-01	0.00	1886.85	0.00	0.00	0.00	5119.00
		3.8E-01	0.00	2049.70	0.00	0.00	0.00	4872.94
		5.0E-01	0.00	2209.48	0.00	0.00	0.00	4606.71
45	SLU4A	0.00	0.00	1500.04	0.00	0.00	0.00	5457.53
		1.3E-01	0.00	1669.02	0.00	0.00	0.00	5259.43
		2.5E-01	0.00	1834.93	0.00	0.00	0.00	5040.40
		3.8E-01	0.00	1997.78	0.00	0.00	0.00	4800.82
		5.0E-01	0.00	2157.56	0.00	0.00	0.00	4541.08
45	SLU5A	0.00	0.00	1422.17	0.00	0.00	0.00	5320.15
		1.3E-01	0.00	1591.15	0.00	0.00	0.00	5131.79
		2.5E-01	0.00	1757.06	0.00	0.00	0.00	4922.49
		3.8E-01	0.00	1919.91	0.00	0.00	0.00	4692.65
		5.0E-01	0.00	2079.69	0.00	0.00	0.00	4442.64
45	RA1A	0.00	0.00	1098.34	0.00	0.00	0.00	3930.87
		1.3E-01	0.00	1217.15	0.00	0.00	0.00	3786.13
		2.5E-01	0.00	1333.78	0.00	0.00	0.00	3626.67
		3.8E-01	0.00	1448.21	0.00	0.00	0.00	3452.77
		5.0E-01	0.00	1560.46	0.00	0.00	0.00	3264.71
45	RA2A	0.00	0.00	1098.34	0.00	0.00	0.00	3930.87
		1.3E-01	0.00	1217.15	0.00	0.00	0.00	3786.13
		2.5E-01	0.00	1333.78	0.00	0.00	0.00	3626.67
		3.8E-01	0.00	1448.21	0.00	0.00	0.00	3452.77
		5.0E-01	0.00	1560.46	0.00	0.00	0.00	3264.71
45	FR1A	0.00	0.00	1093.95	0.00	0.00	0.00	3716.13
		1.3E-01	0.00	1186.37	0.00	0.00	0.00	3573.58
		2.5E-01	0.00	1276.59	0.00	0.00	0.00	3419.63
		3.8E-01	0.00	1364.62	0.00	0.00	0.00	3254.53
		5.0E-01	0.00	1450.47	0.00	0.00	0.00	3078.56
45	FR2A	0.00	0.00	1093.95	0.00	0.00	0.00	3716.13
		1.3E-01	0.00	1186.37	0.00	0.00	0.00	3573.58
		2.5E-01	0.00	1276.59	0.00	0.00	0.00	3419.63
		3.8E-01	0.00	1364.62	0.00	0.00	0.00	3254.53
		5.0E-01	0.00	1450.47	0.00	0.00	0.00	3078.56
45	QPA	0.00	0.00	955.51	0.00	0.00	0.00	3471.90
		1.3E-01	0.00	1047.92	0.00	0.00	0.00	3346.67
		2.5E-01	0.00	1138.15	0.00	0.00	0.00	3210.02
		3.8E-01	0.00	1226.18	0.00	0.00	0.00	3062.22
		5.0E-01	0.00	1312.02	0.00	0.00	0.00	2903.56
45	SISMICAL	0.00	1.22	1073.27	0.00	0.00	0.00	3727.35
		1.3E-01	3.023E-01	1170.07	0.00	0.00	0.00	3587.12
		2.5E-01	-6.156E-01	1264.67	0.00	0.00	0.00	3434.93
		3.8E-01	-1.53	1357.08	0.00	0.00	0.00	3271.04
		5.0E-01	-2.45	1447.31	0.00	0.00	0.00	3095.75
46	SLU1A	0.00	0.00	1461.47	0.00	0.00	0.00	4606.71
		1.3E-01	0.00	1618.19	0.00	0.00	0.00	4414.20
		2.5E-01	0.00	1771.84	0.00	0.00	0.00	4202.29
		3.8E-01	0.00	1922.43	0.00	0.00	0.00	3971.37
		5.0E-01	0.00	2069.95	0.00	0.00	0.00	3721.81
46	SLU2A	0.00	0.00	1503.36	0.00	0.00	0.00	4393.11
		1.3E-01	0.00	1620.48	0.00	0.00	0.00	4197.84
		2.5E-01	0.00	1734.53	0.00	0.00	0.00	3988.12
		3.8E-01	0.00	1845.52	0.00	0.00	0.00	3764.34
		5.0E-01	0.00	1953.44	0.00	0.00	0.00	3526.87
46	SLU3A	0.00	0.00	1461.47	0.00	0.00	0.00	4606.71
		1.3E-01	0.00	1618.19	0.00	0.00	0.00	4414.20
		2.5E-01	0.00	1771.84	0.00	0.00	0.00	4202.29
		3.8E-01	0.00	1922.43	0.00	0.00	0.00	3971.37
		5.0E-01	0.00	2069.95	0.00	0.00	0.00	3721.81
46	SLU4A	0.00	0.00	1420.43	0.00	0.00	0.00	4541.08
		1.3E-01	0.00	1577.15	0.00	0.00	0.00	4353.70
		2.5E-01	0.00	1730.80	0.00	0.00	0.00	4146.92
		3.8E-01	0.00	1881.39	0.00	0.00	0.00	3921.13
		5.0E-01	0.00	2028.91	0.00	0.00	0.00	3676.70
46	SLU5A	0.00	0.00	1358.87	0.00	0.00	0.00	4442.64
		1.3E-01	0.00	1515.59	0.00	0.00	0.00	4262.96
		2.5E-01	0.00	1669.24	0.00	0.00	0.00	4063.87
		3.8E-01	0.00	1819.83	0.00	0.00	0.00	3845.78
		5.0E-01	0.00	1967.35	0.00	0.00	0.00	3609.05
46	RA1A	0.00	0.00	1036.13	0.00	0.00	0.00	3264.71
		1.3E-01	0.00	1146.19	0.00	0.00	0.00	3128.29
		2.5E-01	0.00	1254.05	0.00	0.00	0.00	2978.25
		3.8E-01	0.00	1359.73	0.00	0.00	0.00	2814.87

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46	RA2A	5.0E-01	0.00	1463.21	0.00	0.00	0.00	2638.41
		0.00	0.00	1036.13	0.00	0.00	0.00	3264.71
		1.3E-01	0.00	1146.19	0.00	0.00	0.00	3128.29
		2.5E-01	0.00	1254.05	0.00	0.00	0.00	2978.25
		3.8E-01	0.00	1359.73	0.00	0.00	0.00	2814.87
		5.0E-01	0.00	1463.21	0.00	0.00	0.00	2638.41
46	FR1A	0.00	0.00	1036.70	0.00	0.00	0.00	3078.56
		1.3E-01	0.00	1120.35	0.00	0.00	0.00	2943.72
		2.5E-01	0.00	1201.82	0.00	0.00	0.00	2798.56
		3.8E-01	0.00	1281.10	0.00	0.00	0.00	2643.36
		5.0E-01	0.00	1358.18	0.00	0.00	0.00	2478.38
46	FR2A	0.00	0.00	1036.70	0.00	0.00	0.00	3078.56
		1.3E-01	0.00	1120.35	0.00	0.00	0.00	2943.72
		2.5E-01	0.00	1201.82	0.00	0.00	0.00	2798.56
		3.8E-01	0.00	1281.10	0.00	0.00	0.00	2643.36
		5.0E-01	0.00	1358.18	0.00	0.00	0.00	2478.38
46	QPA	0.00	0.00	927.26	0.00	0.00	0.00	2903.56
		1.3E-01	0.00	1010.92	0.00	0.00	0.00	2782.40
		2.5E-01	0.00	1092.38	0.00	0.00	0.00	2650.92
		3.8E-01	0.00	1171.66	0.00	0.00	0.00	2509.40
		5.0E-01	0.00	1248.74	0.00	0.00	0.00	2358.10
46	SISMICAL	0.00	1.08	1021.47	0.00	0.00	0.00	3095.75
		1.3E-01	1.668E-01	1109.50	0.00	0.00	0.00	2962.54
		2.5E-01	-7.511E-01	1195.35	0.00	0.00	0.00	2818.46
		3.8E-01	-1.67	1279.00	0.00	0.00	0.00	2663.79
		5.0E-01	-2.59	1360.47	0.00	0.00	0.00	2498.80
47	SLU1A	0.00	0.00	1350.21	0.00	0.00	0.00	3721.81
		1.3E-01	0.00	1494.66	0.00	0.00	0.00	3543.97
		2.5E-01	0.00	1636.05	0.00	0.00	0.00	3348.27
		3.8E-01	0.00	1774.38	0.00	0.00	0.00	3135.09
		5.0E-01	0.00	1909.64	0.00	0.00	0.00	2904.81
47	SLU2A	0.00	0.00	1388.30	0.00	0.00	0.00	3526.87
		1.3E-01	0.00	1493.15	0.00	0.00	0.00	3346.75
		2.5E-01	0.00	1594.94	0.00	0.00	0.00	3153.71
		3.8E-01	0.00	1693.67	0.00	0.00	0.00	2948.14
		5.0E-01	0.00	1789.33	0.00	0.00	0.00	2730.42
47	SLU3A	0.00	0.00	1350.21	0.00	0.00	0.00	3721.81
		1.3E-01	0.00	1494.66	0.00	0.00	0.00	3543.97
		2.5E-01	0.00	1636.05	0.00	0.00	0.00	3348.27
		3.8E-01	0.00	1774.38	0.00	0.00	0.00	3135.09
		5.0E-01	0.00	1909.64	0.00	0.00	0.00	2904.81
47	SLU4A	0.00	0.00	1318.76	0.00	0.00	0.00	3676.70
		1.3E-01	0.00	1463.22	0.00	0.00	0.00	3502.80
		2.5E-01	0.00	1604.61	0.00	0.00	0.00	3311.03
		3.8E-01	0.00	1742.93	0.00	0.00	0.00	3101.77
		5.0E-01	0.00	1878.19	0.00	0.00	0.00	2875.42
47	SLU5A	0.00	0.00	1271.59	0.00	0.00	0.00	3609.05
		1.3E-01	0.00	1416.05	0.00	0.00	0.00	3441.04
		2.5E-01	0.00	1557.44	0.00	0.00	0.00	3255.16
		3.8E-01	0.00	1695.76	0.00	0.00	0.00	3051.80
		5.0E-01	0.00	1831.02	0.00	0.00	0.00	2831.35
47	RA1A	0.00	0.00	958.76	0.00	0.00	0.00	2638.41
		1.3E-01	0.00	1060.06	0.00	0.00	0.00	2512.21
		2.5E-01	0.00	1159.16	0.00	0.00	0.00	2373.49
		3.8E-01	0.00	1256.08	0.00	0.00	0.00	2222.51
		5.0E-01	0.00	1350.81	0.00	0.00	0.00	2059.56
47	RA2A	0.00	0.00	958.76	0.00	0.00	0.00	2638.41
		1.3E-01	0.00	1060.06	0.00	0.00	0.00	2512.21
		2.5E-01	0.00	1159.16	0.00	0.00	0.00	2373.49
		3.8E-01	0.00	1256.08	0.00	0.00	0.00	2222.51
		5.0E-01	0.00	1350.81	0.00	0.00	0.00	2059.56
47	FR1A	0.00	0.00	963.19	0.00	0.00	0.00	2478.38
		1.3E-01	0.00	1038.09	0.00	0.00	0.00	2353.28
		2.5E-01	0.00	1110.79	0.00	0.00	0.00	2218.95
		3.8E-01	0.00	1181.31	0.00	0.00	0.00	2075.67
		5.0E-01	0.00	1249.64	0.00	0.00	0.00	1923.72
47	FR2A	0.00	0.00	963.19	0.00	0.00	0.00	2478.38
		1.3E-01	0.00	1038.09	0.00	0.00	0.00	2353.28
		2.5E-01	0.00	1110.79	0.00	0.00	0.00	2218.95
		3.8E-01	0.00	1181.31	0.00	0.00	0.00	2075.67
		5.0E-01	0.00	1249.64	0.00	0.00	0.00	1923.72
47	QPA	0.00	0.00	879.33	0.00	0.00	0.00	2358.10
		1.3E-01	0.00	954.23	0.00	0.00	0.00	2243.48
		2.5E-01	0.00	1026.94	0.00	0.00	0.00	2119.63

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	3.8E-01	0.00	1097.46	0.00	0.00	0.00	1986.84
	5.0E-01	0.00	1165.79	0.00	0.00	0.00	1845.36
47	SISMICAL						
	0.00	9.493E-01	952.61	0.00	0.00	0.00	2498.80
	1.3E-01	3.131E-02	1031.89	0.00	0.00	0.00	2374.75
	2.5E-01	-8.867E-01	1108.97	0.00	0.00	0.00	2240.92
	3.8E-01	-1.80	1183.87	0.00	0.00	0.00	2097.60
	5.0E-01	-2.72	1256.58	0.00	0.00	0.00	1945.04
48	SLU1A						
	0.00	0.00	1218.42	0.00	0.00	0.00	2904.81
	1.3E-01	0.00	1350.61	0.00	0.00	0.00	2744.21
	2.5E-01	0.00	1479.74	0.00	0.00	0.00	2567.28
	3.8E-01	0.00	1605.81	0.00	0.00	0.00	2374.40
	5.0E-01	0.00	1728.81	0.00	0.00	0.00	2165.96
48	SLU2A						
	0.00	0.00	1252.33	0.00	0.00	0.00	2730.42
	1.3E-01	0.00	1344.93	0.00	0.00	0.00	2568.06
	2.5E-01	0.00	1434.46	0.00	0.00	0.00	2394.32
	3.8E-01	0.00	1520.92	0.00	0.00	0.00	2209.57
	5.0E-01	0.00	1604.32	0.00	0.00	0.00	2014.21
48	SLU3A						
	0.00	0.00	1218.42	0.00	0.00	0.00	2904.81
	1.3E-01	0.00	1350.61	0.00	0.00	0.00	2744.21
	2.5E-01	0.00	1479.74	0.00	0.00	0.00	2567.28
	3.8E-01	0.00	1605.81	0.00	0.00	0.00	2374.40
	5.0E-01	0.00	1728.81	0.00	0.00	0.00	2165.96
48	SLU4A						
	0.00	0.00	1195.28	0.00	0.00	0.00	2875.42
	1.3E-01	0.00	1327.48	0.00	0.00	0.00	2717.72
	2.5E-01	0.00	1456.61	0.00	0.00	0.00	2543.68
	3.8E-01	0.00	1582.67	0.00	0.00	0.00	2353.69
	5.0E-01	0.00	1705.67	0.00	0.00	0.00	2148.14
48	SLU5A						
	0.00	0.00	1160.58	0.00	0.00	0.00	2831.35
	1.3E-01	0.00	1292.77	0.00	0.00	0.00	2677.98
	2.5E-01	0.00	1421.90	0.00	0.00	0.00	2508.28
	3.8E-01	0.00	1547.97	0.00	0.00	0.00	2322.63
	5.0E-01	0.00	1670.97	0.00	0.00	0.00	2121.42
48	RA1A						
	0.00	0.00	866.40	0.00	0.00	0.00	2059.56
	1.3E-01	0.00	958.94	0.00	0.00	0.00	1945.45
	2.5E-01	0.00	1049.29	0.00	0.00	0.00	1819.92
	3.8E-01	0.00	1137.45	0.00	0.00	0.00	1683.22
	5.0E-01	0.00	1223.43	0.00	0.00	0.00	1535.64
48	RA2A						
	0.00	0.00	866.40	0.00	0.00	0.00	2059.56
	1.3E-01	0.00	958.94	0.00	0.00	0.00	1945.45
	2.5E-01	0.00	1049.29	0.00	0.00	0.00	1819.92
	3.8E-01	0.00	1137.45	0.00	0.00	0.00	1683.22
	5.0E-01	0.00	1223.43	0.00	0.00	0.00	1535.64
48	FR1A						
	0.00	0.00	873.59	0.00	0.00	0.00	1923.72
	1.3E-01	0.00	939.73	0.00	0.00	0.00	1810.36
	2.5E-01	0.00	1003.68	0.00	0.00	0.00	1688.87
	3.8E-01	0.00	1065.44	0.00	0.00	0.00	1559.53
	5.0E-01	0.00	1125.01	0.00	0.00	0.00	1422.61
48	FR2A						
	0.00	0.00	873.59	0.00	0.00	0.00	1923.72
	1.3E-01	0.00	939.73	0.00	0.00	0.00	1810.36
	2.5E-01	0.00	1003.68	0.00	0.00	0.00	1688.87
	3.8E-01	0.00	1065.44	0.00	0.00	0.00	1559.53
	5.0E-01	0.00	1125.01	0.00	0.00	0.00	1422.61
48	QPA						
	0.00	0.00	811.90	0.00	0.00	0.00	1845.36
	1.3E-01	0.00	878.04	0.00	0.00	0.00	1739.72
	2.5E-01	0.00	941.99	0.00	0.00	0.00	1625.94
	3.8E-01	0.00	1003.75	0.00	0.00	0.00	1504.31
	5.0E-01	0.00	1063.32	0.00	0.00	0.00	1375.10
48	SISMICAL						
	0.00	8.137E-01	866.87	0.00	0.00	0.00	1945.04
	1.3E-01	-1.042E-01	937.39	0.00	0.00	0.00	1832.26
	2.5E-01	-1.02	1005.72	0.00	0.00	0.00	1710.79
	3.8E-01	-1.94	1071.86	0.00	0.00	0.00	1580.92
	5.0E-01	-2.86	1135.81	0.00	0.00	0.00	1442.92
49	SLU1A						
	0.00	0.00	1066.26	0.00	0.00	0.00	2165.96
	1.3E-01	0.00	1186.19	0.00	0.00	0.00	2025.15
	2.5E-01	0.00	1303.06	0.00	0.00	0.00	1869.54
	3.8E-01	0.00	1416.87	0.00	0.00	0.00	1699.51
	5.0E-01	0.00	1527.60	0.00	0.00	0.00	1515.45
49	SLU2A						
	0.00	0.00	1095.60	0.00	0.00	0.00	2014.21
	1.3E-01	0.00	1175.94	0.00	0.00	0.00	1872.21
	2.5E-01	0.00	1253.20	0.00	0.00	0.00	1720.36
	3.8E-01	0.00	1327.41	0.00	0.00	0.00	1559.04
	5.0E-01	0.00	1398.55	0.00	0.00	0.00	1388.63
49	SLU3A						
	0.00	0.00	1066.26	0.00	0.00	0.00	2165.96

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		1.3E-01	0.00	1186.19	0.00	0.00	0.00	2025.15
		2.5E-01	0.00	1303.06	0.00	0.00	0.00	1869.54
		3.8E-01	0.00	1416.87	0.00	0.00	0.00	1699.51
		5.0E-01	0.00	1527.60	0.00	0.00	0.00	1515.45
49	SLU4A	0.00	0.00	1050.16	0.00	0.00	0.00	2148.14
		1.3E-01	0.00	1170.09	0.00	0.00	0.00	2009.34
		2.5E-01	0.00	1286.96	0.00	0.00	0.00	1855.75
		3.8E-01	0.00	1400.76	0.00	0.00	0.00	1687.73
		5.0E-01	0.00	1511.50	0.00	0.00	0.00	1505.68
49	SLU5A	0.00	0.00	1026.00	0.00	0.00	0.00	2121.42
		1.3E-01	0.00	1145.94	0.00	0.00	0.00	1985.64
		2.5E-01	0.00	1262.81	0.00	0.00	0.00	1835.06
		3.8E-01	0.00	1376.61	0.00	0.00	0.00	1670.07
		5.0E-01	0.00	1487.35	0.00	0.00	0.00	1491.04
49	RA1A	0.00	0.00	759.18	0.00	0.00	0.00	1535.64
		1.3E-01	0.00	842.96	0.00	0.00	0.00	1435.49
		2.5E-01	0.00	924.55	0.00	0.00	0.00	1325.00
		3.8E-01	0.00	1003.95	0.00	0.00	0.00	1204.44
		5.0E-01	0.00	1081.17	0.00	0.00	0.00	1074.10
49	RA2A	0.00	0.00	759.18	0.00	0.00	0.00	1535.64
		1.3E-01	0.00	842.96	0.00	0.00	0.00	1435.49
		2.5E-01	0.00	924.55	0.00	0.00	0.00	1325.00
		3.8E-01	0.00	1003.95	0.00	0.00	0.00	1204.44
		5.0E-01	0.00	1081.17	0.00	0.00	0.00	1074.10
49	FR1A	0.00	0.00	768.00	0.00	0.00	0.00	1422.61
		1.3E-01	0.00	825.39	0.00	0.00	0.00	1323.00
		2.5E-01	0.00	880.58	0.00	0.00	0.00	1216.35
		3.8E-01	0.00	933.58	0.00	0.00	0.00	1102.94
		5.0E-01	0.00	984.39	0.00	0.00	0.00	983.05
49	FR2A	0.00	0.00	768.00	0.00	0.00	0.00	1422.61
		1.3E-01	0.00	825.39	0.00	0.00	0.00	1323.00
		2.5E-01	0.00	880.58	0.00	0.00	0.00	1216.35
		3.8E-01	0.00	933.58	0.00	0.00	0.00	1102.94
		5.0E-01	0.00	984.39	0.00	0.00	0.00	983.05
49	QPA	0.00	0.00	725.06	0.00	0.00	0.00	1375.10
		1.3E-01	0.00	782.45	0.00	0.00	0.00	1280.86
		2.5E-01	0.00	837.64	0.00	0.00	0.00	1179.58
		3.8E-01	0.00	890.64	0.00	0.00	0.00	1071.54
		5.0E-01	0.00	941.46	0.00	0.00	0.00	957.01
49	SISMICAL	0.00	6.782E-01	764.35	0.00	0.00	0.00	1442.92
		1.3E-01	-2.398E-01	826.12	0.00	0.00	0.00	1343.49
		2.5E-01	-1.16	885.69	0.00	0.00	0.00	1236.48
		3.8E-01	-2.08	943.07	0.00	0.00	0.00	1122.16
		5.0E-01	-2.99	998.26	0.00	0.00	0.00	1000.80
50	SLU1A	0.00	0.00	893.80	0.00	0.00	0.00	1515.45
		1.3E-01	0.00	1001.48	0.00	0.00	0.00	1396.96
		2.5E-01	0.00	1106.08	0.00	0.00	0.00	1265.21
		3.8E-01	0.00	1207.63	0.00	0.00	0.00	1120.57
		5.0E-01	0.00	1306.11	0.00	0.00	0.00	963.43
50	SLU2A	0.00	0.00	918.16	0.00	0.00	0.00	1388.63
		1.3E-01	0.00	986.24	0.00	0.00	0.00	1269.58
		2.5E-01	0.00	1051.24	0.00	0.00	0.00	1142.20
		3.8E-01	0.00	1113.19	0.00	0.00	0.00	1006.89
		5.0E-01	0.00	1172.07	0.00	0.00	0.00	864.03
50	SLU3A	0.00	0.00	893.80	0.00	0.00	0.00	1515.45
		1.3E-01	0.00	1001.48	0.00	0.00	0.00	1396.96
		2.5E-01	0.00	1106.08	0.00	0.00	0.00	1265.21
		3.8E-01	0.00	1207.63	0.00	0.00	0.00	1120.57
		5.0E-01	0.00	1306.11	0.00	0.00	0.00	963.43
50	SLU4A	0.00	0.00	883.46	0.00	0.00	0.00	1505.68
		1.3E-01	0.00	991.13	0.00	0.00	0.00	1388.49
		2.5E-01	0.00	1095.74	0.00	0.00	0.00	1258.03
		3.8E-01	0.00	1197.28	0.00	0.00	0.00	1114.68
		5.0E-01	0.00	1295.76	0.00	0.00	0.00	958.83
50	SLU5A	0.00	0.00	867.94	0.00	0.00	0.00	1491.04
		1.3E-01	0.00	975.62	0.00	0.00	0.00	1375.78
		2.5E-01	0.00	1080.22	0.00	0.00	0.00	1247.26
		3.8E-01	0.00	1181.77	0.00	0.00	0.00	1105.85
		5.0E-01	0.00	1280.25	0.00	0.00	0.00	951.95
50	RA1A	0.00	0.00	637.13	0.00	0.00	0.00	1074.10
		1.3E-01	0.00	712.15	0.00	0.00	0.00	989.75
		2.5E-01	0.00	784.99	0.00	0.00	0.00	896.15
		3.8E-01	0.00	855.63	0.00	0.00	0.00	793.59
		5.0E-01	0.00	924.09	0.00	0.00	0.00	682.34
50	RA2A	0.00	0.00	637.13	0.00	0.00	0.00	1074.10
		1.3E-01	0.00	712.15	0.00	0.00	0.00	989.75
		2.5E-01	0.00	784.99	0.00	0.00	0.00	896.15
		3.8E-01	0.00	855.63	0.00	0.00	0.00	793.59
		5.0E-01	0.00	924.09	0.00	0.00	0.00	682.34

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		0.00	0.00	637.13	0.00	0.00	0.00	1074.10
		1.3E-01	0.00	712.15	0.00	0.00	0.00	989.75
		2.5E-01	0.00	784.99	0.00	0.00	0.00	896.15
		3.8E-01	0.00	855.63	0.00	0.00	0.00	793.59
		5.0E-01	0.00	924.09	0.00	0.00	0.00	682.34
50	FR1A							
		0.00	0.00	646.47	0.00	0.00	0.00	983.05
		1.3E-01	0.00	695.10	0.00	0.00	0.00	899.18
		2.5E-01	0.00	741.53	0.00	0.00	0.00	809.36
		3.8E-01	0.00	785.78	0.00	0.00	0.00	713.88
		5.0E-01	0.00	827.83	0.00	0.00	0.00	613.01
50	FR2A							
		0.00	0.00	646.47	0.00	0.00	0.00	983.05
		1.3E-01	0.00	695.10	0.00	0.00	0.00	899.18
		2.5E-01	0.00	741.53	0.00	0.00	0.00	809.36
		3.8E-01	0.00	785.78	0.00	0.00	0.00	713.88
		5.0E-01	0.00	827.83	0.00	0.00	0.00	613.01
50	QPA							
		0.00	0.00	618.89	0.00	0.00	0.00	957.01
		1.3E-01	0.00	667.51	0.00	0.00	0.00	876.59
		2.5E-01	0.00	713.95	0.00	0.00	0.00	790.22
		3.8E-01	0.00	758.19	0.00	0.00	0.00	698.19
		5.0E-01	0.00	800.25	0.00	0.00	0.00	600.77
50	SISMICAL							
		0.00	5.426E-01	645.11	0.00	0.00	0.00	1000.80
		1.3E-01	-3.754E-01	698.11	0.00	0.00	0.00	916.83
		2.5E-01	-1.29	748.93	0.00	0.00	0.00	826.37
		3.8E-01	-2.21	797.55	0.00	0.00	0.00	729.69
		5.0E-01	-3.13	843.99	0.00	0.00	0.00	627.07
51	SLU1A							
		0.00	0.00	701.05	0.00	0.00	0.00	963.43
		1.3E-01	0.00	796.46	0.00	0.00	0.00	869.80
		2.5E-01	0.00	888.81	0.00	0.00	0.00	764.44
		3.8E-01	0.00	978.09	0.00	0.00	0.00	647.73
		5.0E-01	0.00	1064.31	0.00	0.00	0.00	520.04
51	SLU2A							
		0.00	0.00	719.99	0.00	0.00	0.00	864.03
		1.3E-01	0.00	775.81	0.00	0.00	0.00	770.51
		2.5E-01	0.00	828.55	0.00	0.00	0.00	670.21
		3.8E-01	0.00	878.24	0.00	0.00	0.00	563.50
		5.0E-01	0.00	924.85	0.00	0.00	0.00	450.78
51	SLU3A							
		0.00	0.00	701.05	0.00	0.00	0.00	963.43
		1.3E-01	0.00	796.46	0.00	0.00	0.00	869.80
		2.5E-01	0.00	888.81	0.00	0.00	0.00	764.44
		3.8E-01	0.00	978.09	0.00	0.00	0.00	647.73
		5.0E-01	0.00	1064.31	0.00	0.00	0.00	520.04
51	SLU4A							
		0.00	0.00	695.19	0.00	0.00	0.00	958.83
		1.3E-01	0.00	790.60	0.00	0.00	0.00	865.94
		2.5E-01	0.00	882.95	0.00	0.00	0.00	761.31
		3.8E-01	0.00	972.23	0.00	0.00	0.00	645.33
		5.0E-01	0.00	1058.45	0.00	0.00	0.00	518.38
51	SLU5A							
		0.00	0.00	686.40	0.00	0.00	0.00	951.95
		1.3E-01	0.00	781.82	0.00	0.00	0.00	860.15
		2.5E-01	0.00	874.16	0.00	0.00	0.00	756.62
		3.8E-01	0.00	963.45	0.00	0.00	0.00	641.74
		5.0E-01	0.00	1049.66	0.00	0.00	0.00	515.89
51	RA1A							
		0.00	0.00	500.26	0.00	0.00	0.00	682.34
		1.3E-01	0.00	566.52	0.00	0.00	0.00	615.64
		2.5E-01	0.00	630.60	0.00	0.00	0.00	540.80
		3.8E-01	0.00	692.49	0.00	0.00	0.00	458.08
		5.0E-01	0.00	752.18	0.00	0.00	0.00	367.77
51	RA2A							
		0.00	0.00	500.26	0.00	0.00	0.00	682.34
		1.3E-01	0.00	566.52	0.00	0.00	0.00	615.64
		2.5E-01	0.00	630.60	0.00	0.00	0.00	540.80
		3.8E-01	0.00	692.49	0.00	0.00	0.00	458.08
		5.0E-01	0.00	752.18	0.00	0.00	0.00	367.77
51	FR1A							
		0.00	0.00	508.98	0.00	0.00	0.00	613.01
		1.3E-01	0.00	548.85	0.00	0.00	0.00	546.87
		2.5E-01	0.00	586.52	0.00	0.00	0.00	475.89
		3.8E-01	0.00	622.01	0.00	0.00	0.00	400.33
		5.0E-01	0.00	655.31	0.00	0.00	0.00	320.48
51	FR2A							
		0.00	0.00	508.98	0.00	0.00	0.00	613.01
		1.3E-01	0.00	548.85	0.00	0.00	0.00	546.87
		2.5E-01	0.00	586.52	0.00	0.00	0.00	475.89
		3.8E-01	0.00	622.01	0.00	0.00	0.00	400.33
		5.0E-01	0.00	655.31	0.00	0.00	0.00	320.48
51	QPA							
		0.00	0.00	493.36	0.00	0.00	0.00	600.77
		1.3E-01	0.00	533.23	0.00	0.00	0.00	536.58
		2.5E-01	0.00	570.91	0.00	0.00	0.00	467.55
		3.8E-01	0.00	606.39	0.00	0.00	0.00	393.95
		5.0E-01	0.00	639.69	0.00	0.00	0.00	316.04

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51	SISMICAL						
	0.00	4.070E-01	509.13	0.00	0.00	0.00	627.07
	1.3E-01	-5.110E-01	553.37	0.00	0.00	0.00	560.64
	2.5E-01	-1.43	595.43	0.00	0.00	0.00	488.82
	3.8E-01	-2.35	635.29	0.00	0.00	0.00	411.87
	5.0E-01	-3.26	672.97	0.00	0.00	0.00	330.08
52	SLU1A						
	0.00	0.00	487.92	0.00	0.00	0.00	520.04
	1.3E-01	0.00	571.07	0.00	0.00	0.00	453.82
	2.5E-01	0.00	651.16	0.00	0.00	0.00	377.40
	3.8E-01	0.00	728.18	0.00	0.00	0.00	291.16
	5.0E-01	0.00	802.14	0.00	0.00	0.00	195.49
52	SLU2A						
	0.00	0.00	501.01	0.00	0.00	0.00	450.78
	1.3E-01	0.00	544.56	0.00	0.00	0.00	385.40
	2.5E-01	0.00	585.05	0.00	0.00	0.00	314.76
	3.8E-01	0.00	622.47	0.00	0.00	0.00	239.26
	5.0E-01	0.00	656.83	0.00	0.00	0.00	159.27
52	SLU3A						
	0.00	0.00	487.92	0.00	0.00	0.00	520.04
	1.3E-01	0.00	571.07	0.00	0.00	0.00	453.82
	2.5E-01	0.00	651.16	0.00	0.00	0.00	377.40
	3.8E-01	0.00	728.18	0.00	0.00	0.00	291.16
	5.0E-01	0.00	802.14	0.00	0.00	0.00	195.49
52	SLU4A						
	0.00	0.00	485.28	0.00	0.00	0.00	518.38
	1.3E-01	0.00	568.44	0.00	0.00	0.00	452.49
	2.5E-01	0.00	648.52	0.00	0.00	0.00	376.40
	3.8E-01	0.00	725.54	0.00	0.00	0.00	290.49
	5.0E-01	0.00	799.50	0.00	0.00	0.00	195.14
52	SLU5A						
	0.00	0.00	481.32	0.00	0.00	0.00	515.89
	1.3E-01	0.00	564.48	0.00	0.00	0.00	450.49
	2.5E-01	0.00	644.56	0.00	0.00	0.00	374.89
	3.8E-01	0.00	721.58	0.00	0.00	0.00	289.48
	5.0E-01	0.00	795.54	0.00	0.00	0.00	194.63
52	RA1A						
	0.00	0.00	348.51	0.00	0.00	0.00	367.77
	1.3E-01	0.00	406.02	0.00	0.00	0.00	320.58
	2.5E-01	0.00	461.34	0.00	0.00	0.00	266.35
	3.8E-01	0.00	514.47	0.00	0.00	0.00	205.34
	5.0E-01	0.00	565.41	0.00	0.00	0.00	137.83
52	RA2A						
	0.00	0.00	348.51	0.00	0.00	0.00	367.77
	1.3E-01	0.00	406.02	0.00	0.00	0.00	320.58
	2.5E-01	0.00	461.34	0.00	0.00	0.00	266.35
	3.8E-01	0.00	514.47	0.00	0.00	0.00	205.34
	5.0E-01	0.00	565.41	0.00	0.00	0.00	137.83
52	FR1A						
	0.00	0.00	355.48	0.00	0.00	0.00	320.48
	1.3E-01	0.00	386.59	0.00	0.00	0.00	274.08
	2.5E-01	0.00	415.50	0.00	0.00	0.00	223.92
	3.8E-01	0.00	442.23	0.00	0.00	0.00	170.29
	5.0E-01	0.00	466.77	0.00	0.00	0.00	113.46
52	FR2A						
	0.00	0.00	355.48	0.00	0.00	0.00	320.48
	1.3E-01	0.00	386.59	0.00	0.00	0.00	274.08
	2.5E-01	0.00	415.50	0.00	0.00	0.00	223.92
	3.8E-01	0.00	442.23	0.00	0.00	0.00	170.29
	5.0E-01	0.00	466.77	0.00	0.00	0.00	113.46
52	QPA						
	0.00	0.00	348.44	0.00	0.00	0.00	316.04
	1.3E-01	0.00	379.55	0.00	0.00	0.00	270.52
	2.5E-01	0.00	408.47	0.00	0.00	0.00	221.25
	3.8E-01	0.00	435.20	0.00	0.00	0.00	168.50
	5.0E-01	0.00	459.74	0.00	0.00	0.00	112.54
52	SISMICAL						
	0.00	2.714E-01	356.35	0.00	0.00	0.00	330.08
	1.3E-01	-6.466E-01	391.84	0.00	0.00	0.00	283.30
	2.5E-01	-1.56	425.14	0.00	0.00	0.00	232.22
	3.8E-01	-2.48	456.24	0.00	0.00	0.00	177.11
	5.0E-01	-3.40	485.16	0.00	0.00	0.00	118.25
53	SLU1A						
	0.00	0.00	254.30	0.00	0.00	0.00	195.49
	1.3E-01	0.00	325.19	0.00	0.00	0.00	159.24
	2.5E-01	0.00	393.01	0.00	0.00	0.00	114.32
	3.8E-01	0.00	457.77	0.00	0.00	0.00	61.11
	5.0E-01	0.00	519.47	0.00	0.00	0.00	0.00
53	SLU2A						
	0.00	0.00	261.07	0.00	0.00	0.00	159.27
	1.3E-01	0.00	292.36	0.00	0.00	0.00	124.65
	2.5E-01	0.00	320.59	0.00	0.00	0.00	86.31
	3.8E-01	0.00	345.75	0.00	0.00	0.00	44.63
	5.0E-01	0.00	367.85	0.00	0.00	0.00	0.00
53	SLU3A						
	0.00	0.00	254.30	0.00	0.00	0.00	195.49
	1.3E-01	0.00	325.19	0.00	0.00	0.00	159.24
	2.5E-01	0.00	393.01	0.00	0.00	0.00	114.32

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	3.8E-01	0.00	457.77	0.00	0.00	0.00	61.11
	5.0E-01	0.00	519.47	0.00	0.00	0.00	0.00
53	SLU4A						
	0.00	0.00	253.61	0.00	0.00	0.00	195.14
	1.3E-01	0.00	324.50	0.00	0.00	0.00	158.98
	2.5E-01	0.00	392.33	0.00	0.00	0.00	114.14
	3.8E-01	0.00	457.09	0.00	0.00	0.00	61.02
	5.0E-01	0.00	518.78	0.00	0.00	0.00	0.00
53	SLU5A						
	0.00	0.00	252.58	0.00	0.00	0.00	194.63
	1.3E-01	0.00	323.47	0.00	0.00	0.00	158.59
	2.5E-01	0.00	391.30	0.00	0.00	0.00	113.89
	3.8E-01	0.00	456.06	0.00	0.00	0.00	60.89
	5.0E-01	0.00	517.75	0.00	0.00	0.00	0.00
53	RA1A						
	0.00	0.00	181.80	0.00	0.00	0.00	137.83
	1.3E-01	0.00	230.55	0.00	0.00	0.00	112.03
	2.5E-01	0.00	277.11	0.00	0.00	0.00	80.28
	3.8E-01	0.00	321.48	0.00	0.00	0.00	42.84
	5.0E-01	0.00	363.67	0.00	0.00	0.00	0.00
53	RA2A						
	0.00	0.00	181.80	0.00	0.00	0.00	137.83
	1.3E-01	0.00	230.55	0.00	0.00	0.00	112.03
	2.5E-01	0.00	277.11	0.00	0.00	0.00	80.28
	3.8E-01	0.00	321.48	0.00	0.00	0.00	42.84
	5.0E-01	0.00	363.67	0.00	0.00	0.00	0.00
53	FR1A						
	0.00	0.00	185.86	0.00	0.00	0.00	113.46
	1.3E-01	0.00	208.21	0.00	0.00	0.00	88.80
	2.5E-01	0.00	228.37	0.00	0.00	0.00	61.49
	3.8E-01	0.00	246.34	0.00	0.00	0.00	31.80
	5.0E-01	0.00	262.13	0.00	0.00	0.00	0.00
53	FR2A						
	0.00	0.00	185.86	0.00	0.00	0.00	113.46
	1.3E-01	0.00	208.21	0.00	0.00	0.00	88.80
	2.5E-01	0.00	228.37	0.00	0.00	0.00	61.49
	3.8E-01	0.00	246.34	0.00	0.00	0.00	31.80
	5.0E-01	0.00	262.13	0.00	0.00	0.00	0.00
53	QPA						
	0.00	0.00	184.03	0.00	0.00	0.00	112.54
	1.3E-01	0.00	206.38	0.00	0.00	0.00	88.12
	2.5E-01	0.00	226.54	0.00	0.00	0.00	61.04
	3.8E-01	0.00	244.51	0.00	0.00	0.00	31.57
	5.0E-01	0.00	260.29	0.00	0.00	0.00	0.00
53	SISMICAL						
	0.00	1.357E-01	186.68	0.00	0.00	0.00	118.25
	1.3E-01	-7.823E-01	213.41	0.00	0.00	0.00	93.22
	2.5E-01	-1.70	237.95	0.00	0.00	0.00	64.99
	3.8E-01	-2.62	260.30	0.00	0.00	0.00	33.82
	5.0E-01	-3.54	280.47	0.00	0.00	0.00	0.00

1.3. MURO D'ALA SEZIONE "A"

1.3.1. InPut

; File D:\UTENTE\Arch-2000\A167_Dam_Milano-Genova\MURO_U_H_870.s2k saved 9.19.12 10:22:01 in KN-m

SYSTEM

DOF=UX,UZ,RY LENGTH=m FORCE=KN PAGE=SECTIONS

JOINT

1 X=0 Y=0 Z=0
2 X=.5 Y=0 Z=0
3 X=1.3 Y=0 Z=0
4 X=2.1 Y=0 Z=0
5 X=2.9 Y=0 Z=0
6 X=3.7 Y=0 Z=0
7 X=4.5 Y=0 Z=0
8 X=5.3 Y=0 Z=0
9 X=6.1 Y=0 Z=0
10 X=6.9 Y=0 Z=0
11 X=7.7 Y=0 Z=0
12 X=8.5 Y=0 Z=0
13 X=9 Y=0 Z=0
14 X=0 Y=0 Z=3.5
16 X=0 Y=0 Z=9.2
17 X=9 Y=0 Z=9.2
19 X=0 Y=0 Z=.5
22 X=9 Y=0 Z=.5
23 X=9 Y=0 Z=3.5
24 X=0 Y=0 Z=6
25 X=9 Y=0 Z=6

PATTERN

NAME=DEFAULT

SPRING

ADD=1 U1=10833 U2=10833 U3=10833
ADD=2 U1=10833 U2=10833 U3=10833
ADD=3 U1=10833 U2=10833 U3=10833
ADD=4 U1=10833 U2=10833 U3=10833
ADD=5 U1=10833 U2=10833 U3=10833
ADD=6 U1=10833 U2=10833 U3=10833
ADD=7 U1=10833 U2=10833 U3=10833
ADD=8 U1=10833 U2=10833 U3=10833
ADD=9 U1=10833 U2=10833 U3=10833
ADD=10 U1=10833 U2=10833 U3=10833
ADD=11 U1=10833 U2=10833 U3=10833
ADD=12 U1=10833 U2=10833 U3=10833
ADD=13 U1=10833 U2=10833 U3=10833

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RELAZIONE DI CALCOLO OPERE PROVVISORIALI

MATERIAL

NAME=STEEL IDES=S M=7.8271 W=76.81955
T=0 E=1.99948E+08 U=.3 A=.0000117 FY=248211.3
NAME=CONC IDES=C M=2.5 W=25
T=0 E=3.3675E+07 U=.2 A=.00001
NAME=OTHER IDES=N M=2.40068 W=23.56161
T=0 E=2.482113E+07 U=.2 A=.0000099
NAME=RCK35 IDES=C M=2.5 W=25
T=0 E=3.375E+07 U=.2 A=.00001

FRAME SECTION

NAME=FSECI1 MAT=CONC SH=R T=.5,.3 A=.15 J=2.817371E-03 I=.003125,.001125 AS=.125,.125
NAME=SEZ70 MAT=RCK35 SH=R T=.7,1 A=.7 J=6.492118E-02 I=2.858333E-02,5.833333E-02 AS=.5833333,.5833333
NAME=FONDAZ MAT=RCK35 SH=R T=1,1 A=1 J=.1408333 I=8.333334E-02,8.333334E-02 AS=.8333333,.8333333
NAME=SEZ40 MAT=RCK35 SH=R T=.4,1 A=.4 J=.0159688 I=5.333334E-03,3.333334E-02 AS=.3333333,.3333333
NAME=SEZ100 MAT=RCK35 SH=R T=1,1 A=1 J=.1408333 I=8.333334E-02,8.333334E-02 AS=.8333333,.8333333
NAME=PIEDRIT TYPE=NONPR
SEC=SEZ70,SEZ40 EIVAR=2,1 VL=1

FRAME

1 J=14,24 SEC=SEZ70 NSEG=8 ANG=0
2 J=2,3 SEC=FONDAZ NSEG=2 ANG=0
4 J=4,5 SEC=FONDAZ NSEG=2 ANG=0
5 J=24,16 SEC=SEZ40 NSEG=2 ANG=0
6 J=6,7 SEC=FONDAZ NSEG=2 ANG=0
7 J=23,25 SEC=SEZ70 NSEG=2 ANG=180
8 J=8,9 SEC=FONDAZ NSEG=2 ANG=0
10 J=10,11 SEC=FONDAZ NSEG=2 ANG=0
11 J=25,17 SEC=SEZ40 NSEG=2 ANG=180
12 J=12,13 SEC=FONDAZ NSEG=2 ANG=0 JOFF=.49746 RIGID=0
14 J=19,14 SEC=SEZ100 NSEG=2 ANG=0
15 J=1,19 SEC=SEZ100 NSEG=2 ANG=0 IOFF=.49746 RIGID=0
17 J=13,22 SEC=SEZ100 NSEG=2 ANG=180 IOFF=.49746 RIGID=0
20 J=22,23 SEC=SEZ100 NSEG=2 ANG=180
23 J=1,2 SEC=FONDAZ NSEG=4 ANG=0 IOFF=.495 RIGID=0
27 J=3,4 SEC=FONDAZ NSEG=4 ANG=0
33 J=5,6 SEC=FONDAZ NSEG=4 ANG=0
41 J=7,8 SEC=FONDAZ NSEG=4 ANG=0
51 J=9,10 SEC=FONDAZ NSEG=4 ANG=0
63 J=11,12 SEC=FONDAZ NSEG=4 ANG=0

LOAD

NAME=LOAD1 SW=1
NAME=SPINTE
TYPE=DISTRIBUTED SPAN
ADD=5 RD=.53125,1 U2=8.1,0
ADD=11 RD=.53125,1 U2=8.1,0
ADD=15 RD=0,1 U2=49.68,46.98
ADD=17 RD=0,1 U2=49.68,46.98
ADD=1 RD=.68,1 U2=21.6,17.28
ADD=5 RD=0,.53125 U2=17.28,8.1
ADD=7 RD=.68,1 U2=21.6,17.28
ADD=11 RD=0,.53125 U2=17.28,8.1
ADD=14 RD=0,1 U2=46.98,30.78
ADD=1 RD=0,.68 U2=30.78,21.6
ADD=20 RD=0,1 U2=46.98,30.78
ADD=7 RD=0,.68 U2=30.78,21.6
NAME=SPSOV
TYPE=DISTRIBUTED SPAN
ADD=5 RD=.53125,1 U2=2.7,2.7

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ADD=11 RD=.53125,1 U2=2.7,2.7
ADD=15 RD=0,1 U2=2.7,2.7
ADD=17 RD=0,1 U2=2.7,2.7
ADD=1 RD=.68,1 U2=2.7,2.7
ADD=5 RD=0,.53125 U2=2.7,2.7
ADD=7 RD=.68,1 U2=2.7,2.7
ADD=11 RD=0,.53125 U2=2.7,2.7
ADD=14 RD=0,1 U2=2.7,2.7
ADD=1 RD=0,.68 U2=2.7,2.7
ADD=20 RD=0,1 U2=2.7,2.7
ADD=7 RD=0,.68 U2=2.7,2.7

NAME=SISM

TYPE=DISTRIBUTED SPAN

ADD=5 RD=.53125,1 U2=4.62,5.52
ADD=11 RD=.53125,1 U2=4.62,5.52
ADD=15 RD=0,1 U2=0,.3
ADD=17 RD=0,1 U2=0,.3
ADD=1 RD=.68,1 U2=3.12,3.6
ADD=5 RD=0,.53125 U2=3.6,4.62
ADD=7 RD=.68,1 U2=3.12,3.6
ADD=11 RD=0,.53125 U2=3.6,4.62
ADD=14 RD=0,1 U2=.3,2.1
ADD=1 RD=0,.68 U2=2.1,3.12
ADD=20 RD=0,1 U2=.3,2.1
ADD=7 RD=0,.68 U2=2.1,3.12

NAME=INERZIA

TYPE=GRAVITY ELEM=FRAME

ADD=2 UX=.0625
ADD=4 UX=.0625
ADD=6 UX=.0625
ADD=8 UX=.0625
ADD=10 UX=.0625
ADD=12 UX=.0625
ADD=23 UX=.0625
ADD=27 UX=.0625
ADD=33 UX=.0625
ADD=41 UX=.0625
ADD=51 UX=.0625
ADD=63 UX=.0625
ADD=5 UX=.0625
ADD=11 UX=.0625
ADD=15 UX=.0625
ADD=17 UX=.0625
ADD=1 UX=.0625
ADD=7 UX=.0625
ADD=14 UX=.0625
ADD=20 UX=.0625

COMBO

NAME=SLU1

LOAD=LOAD1 SF=1.4
LOAD=SPINTE SF=1.4

NAME=SLU2

LOAD=LOAD1 SF=1.4
LOAD=SPINTE SF=1.4
LOAD=SPSOV SF=1.5

NAME=TA1

LOAD=LOAD1 SF=1
LOAD=SPINTE SF=1

NAME=TA2

LINEA AV/AC MILANO – GENOVA
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RELAZIONE DI CALCOLO OPERE PROVVISORIALI

```
LOAD=LOAD1 SF=1
LOAD=SPINTE SF=1
LOAD=SPSOV SF=1
NAME=S1
LOAD=LOAD1 SF=1
LOAD=SPINTE SF=1
LOAD=SPSOV SF=.5
LOAD=SISM SF=1
LOAD=INERZIA SF=1
NAME=INVSLU TYPE=ENVE
COMB=SLU1 SF=1
COMB=SLU2 SF=1
COMB=S1 SF=1
NAME=INVSLE TYPE=ENVE
COMB=TA1 SF=1
COMB=TA2 SF=1

OUTPUT
; No Output Requested

END

; The following data is used for graphics, design and pushover analysis.
; If changes are made to the analysis data above, then the following data
; should be checked for consistency.
SAP2000 V7.00 SUPPLEMENTAL DATA
MATERIAL STEEL FY 248211.3
MATERIAL CONC FYREBAR 413685 FYSHEAR 275790 FC 27579 FCSHEAR 27579
MATERIAL RCK35 FYREBAR 60 FYSHEAR 40 FC 4 FCSHEAR 4
CONCRETESECTION FSEC1 COLUMN COVER .05 REBAR RR-3-3
CONCRETESECTION SEZ70 COLUMN COVER .04 REBAR RR-3-3
CONCRETESECTION FONDAZ COLUMN COVER .04572 REBAR RR-3-3
CONCRETESECTION SEZ40 COLUMN COVER .04572 REBAR RR-3-3
CONCRETESECTION SEZ100 COLUMN COVER .04572 REBAR RR-3-3
STATICLOAD LOAD1 TYPE DEAD
STATICLOAD SPINTE TYPE DEAD
STATICLOAD SPSOV TYPE DEAD
STATICLOAD SISM TYPE DEAD
STATICLOAD INERZIA TYPE DEAD
END SUPPLEMENTAL DATA
```

LINEA AV/AC MILANO – GENOVA
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 RELAZIONE DI CALCOLO OPERE PROVVISORIALI

1.3.2. OutPut

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L O A D C O M B I N A T I O N M U L T I P L I E R S

COMBO	TYPE	CASE	FACTOR	TYPE	TITLE
SLU1	ADD	LOAD1	1.4000	STATIC(DEAD)	SLU1C1
		SPINTE	1.4000	STATIC(DEAD)	
SLU2	ADD	LOAD1	1.4000	STATIC(DEAD)	COMB1
		SPINTE	1.4000	STATIC(DEAD)	
		SPSOV	1.5000	STATIC(DEAD)	
TA1	ADD	LOAD1	1.0000	STATIC(DEAD)	COMB1
		SPINTE	1.0000	STATIC(DEAD)	
TA2	ADD	LOAD1	1.0000	STATIC(DEAD)	COMB1
		SPINTE	1.0000	STATIC(DEAD)	
		SPSOV	1.0000	STATIC(DEAD)	
S1	ADD	LOAD1	1.0000	STATIC(DEAD)	COMB1
		SPINTE	1.0000	STATIC(DEAD)	
		SPSOV	0.5000	STATIC(DEAD)	
		SISM	1.0000	STATIC(DEAD)	
		INERZIA	1.0000	STATIC(DEAD)	

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F R A M E E L E M E N T F O R C E S

FRAME	LOAD	LOC	P	V2	V3	T	M2	M3
1	SLU1	0.00	-106.05	122.81	0.00	0.00	0.00	233.34
		3.1E-01	-98.39	109.72	0.00	0.00	0.00	197.03
		6.3E-01	-90.74	97.36	0.00	0.00	0.00	164.69
		9.4E-01	-83.08	85.74	0.00	0.00	0.00	136.11
		1.25	-75.42	74.85	0.00	0.00	0.00	111.03
		1.56	-67.77	64.71	0.00	0.00	0.00	89.25
		1.88	-60.11	55.30	0.00	0.00	0.00	70.51
		2.19	-52.46	46.64	0.00	0.00	0.00	54.60
		2.50	-44.80	38.71	0.00	0.00	0.00	41.29
		1	SLU2	0.00	-106.05	145.90	0.00	0.00
3.1E-01	-98.39			131.53	0.00	0.00	0.00	255.81
6.3E-01	-90.74			117.91	0.00	0.00	0.00	216.85

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	9.4E-01	-83.08	105.02	0.00	0.00	0.00	182.04
	1.25	-75.42	92.88	0.00	0.00	0.00	151.13
	1.56	-67.77	81.47	0.00	0.00	0.00	123.91
	1.88	-60.11	70.80	0.00	0.00	0.00	100.14
	2.19	-52.46	60.86	0.00	0.00	0.00	79.59
	2.50	-44.80	51.67	0.00	0.00	0.00	62.02
1	TA1						
	0.00	-75.75	87.72	0.00	0.00	0.00	166.67
	3.1E-01	-70.28	78.37	0.00	0.00	0.00	140.74
	6.3E-01	-64.81	69.54	0.00	0.00	0.00	117.64
	9.4E-01	-59.34	61.24	0.00	0.00	0.00	97.22
	1.25	-53.87	53.47	0.00	0.00	0.00	79.31
	1.56	-48.41	46.22	0.00	0.00	0.00	63.75
	1.88	-42.94	39.50	0.00	0.00	0.00	50.37
	2.19	-37.47	33.31	0.00	0.00	0.00	39.00
	2.50	-32.00	27.65	0.00	0.00	0.00	29.49
1	TA2						
	0.00	-75.75	103.11	0.00	0.00	0.00	210.54
	3.1E-01	-70.28	92.91	0.00	0.00	0.00	179.92
	6.3E-01	-64.81	83.24	0.00	0.00	0.00	152.41
	9.4E-01	-59.34	74.10	0.00	0.00	0.00	127.84
	1.25	-53.87	65.48	0.00	0.00	0.00	106.04
	1.56	-48.41	57.39	0.00	0.00	0.00	86.86
	1.88	-42.94	49.83	0.00	0.00	0.00	70.12
	2.19	-37.47	42.80	0.00	0.00	0.00	55.66
	2.50	-32.00	36.29	0.00	0.00	0.00	43.32
1	S1						
	0.00	-75.75	121.87	0.00	0.00	0.00	271.38
	3.1E-01	-70.28	111.07	0.00	0.00	0.00	234.99
	6.3E-01	-64.81	100.73	0.00	0.00	0.00	201.91
	9.4E-01	-59.34	90.86	0.00	0.00	0.00	171.99
	1.25	-53.87	81.46	0.00	0.00	0.00	145.07
	1.56	-48.41	72.54	0.00	0.00	0.00	121.02
	1.88	-42.94	64.07	0.00	0.00	0.00	99.69
	2.19	-37.47	56.08	0.00	0.00	0.00	80.93
	2.50	-32.00	48.56	0.00	0.00	0.00	64.59
2	SLU1						
	0.00	-319.07	148.98	0.00	0.00	0.00	885.44
	4.0E-01	-319.07	162.98	0.00	0.00	0.00	823.05
	8.0E-01	-319.07	176.98	0.00	0.00	0.00	755.06
2	SLU2						
	0.00	-356.23	154.76	0.00	0.00	0.00	1055.07
	4.0E-01	-356.23	168.76	0.00	0.00	0.00	990.36
	8.0E-01	-356.23	182.76	0.00	0.00	0.00	920.06
2	TA1						
	0.00	-227.91	106.42	0.00	0.00	0.00	632.46
	4.0E-01	-227.91	116.42	0.00	0.00	0.00	587.89
	8.0E-01	-227.91	126.42	0.00	0.00	0.00	539.33
2	TA2						
	0.00	-252.68	110.27	0.00	0.00	0.00	745.54
	4.0E-01	-252.68	120.27	0.00	0.00	0.00	699.44
	8.0E-01	-252.68	130.27	0.00	0.00	0.00	649.33
2	S1						
	0.00	-271.29	119.58	0.00	0.00	0.00	879.27
	4.0E-01	-271.92	129.58	0.00	0.00	0.00	829.44
	8.0E-01	-272.54	139.58	0.00	0.00	0.00	775.61
4	SLU1						
	0.00	-318.50	84.30	0.00	0.00	0.00	648.59

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	4.0E-01	-318.50	98.30	0.00	0.00	0.00	612.07
	8.0E-01	-318.50	112.30	0.00	0.00	0.00	569.95
4	SLU2						
	0.00	-355.59	89.72	0.00	0.00	0.00	808.58
	4.0E-01	-355.59	103.72	0.00	0.00	0.00	769.89
	8.0E-01	-355.59	117.72	0.00	0.00	0.00	725.60
4	TA1						
	0.00	-227.50	60.22	0.00	0.00	0.00	463.28
	4.0E-01	-227.50	70.22	0.00	0.00	0.00	437.19
	8.0E-01	-227.50	80.22	0.00	0.00	0.00	407.11
4	TA2						
	0.00	-252.23	63.83	0.00	0.00	0.00	569.94
	4.0E-01	-252.23	73.83	0.00	0.00	0.00	542.41
	8.0E-01	-252.23	83.83	0.00	0.00	0.00	510.87
4	S1						
	0.00	-268.01	76.52	0.00	0.00	0.00	686.87
	4.0E-01	-268.64	86.52	0.00	0.00	0.00	654.26
	8.0E-01	-269.26	96.52	0.00	0.00	0.00	617.65
5	SLU1						
	0.00	-44.80	38.71	0.00	0.00	0.00	41.29
	1.60	-22.40	9.68	0.00	0.00	0.00	5.16
	3.20	0.00	0.00	0.00	0.00	0.00	0.00
5	SLU2						
	0.00	-44.80	51.67	0.00	0.00	0.00	62.02
	1.60	-22.40	16.16	0.00	0.00	0.00	10.34
	3.20	0.00	0.00	0.00	0.00	0.00	0.00
5	TA1						
	0.00	-32.00	27.65	0.00	0.00	0.00	29.49
	1.60	-16.00	6.91	0.00	0.00	0.00	3.69
	3.20	0.00	0.00	0.00	0.00	0.00	0.00
5	TA2						
	0.00	-32.00	36.29	0.00	0.00	0.00	43.32
	1.60	-16.00	11.23	0.00	0.00	0.00	7.14
	3.20	0.00	0.00	0.00	0.00	0.00	0.00
5	S1						
	0.00	-32.00	48.56	0.00	0.00	0.00	64.59
	1.60	-16.00	18.14	0.00	0.00	0.00	12.87
	3.20	0.00	0.00	0.00	0.00	0.00	0.00
6	SLU1						
	0.00	-318.25	6.29	0.00	0.00	0.00	521.76
	4.0E-01	-318.25	20.29	0.00	0.00	0.00	516.44
	8.0E-01	-318.25	34.29	0.00	0.00	0.00	505.53
6	SLU2						
	0.00	-355.32	7.56	0.00	0.00	0.00	674.51
	4.0E-01	-355.32	21.56	0.00	0.00	0.00	668.69
	8.0E-01	-355.32	35.56	0.00	0.00	0.00	657.26
6	TA1						
	0.00	-227.32	4.49	0.00	0.00	0.00	372.68
	4.0E-01	-227.32	14.49	0.00	0.00	0.00	368.89
	8.0E-01	-227.32	24.49	0.00	0.00	0.00	361.09
6	TA2						
	0.00	-252.03	5.34	0.00	0.00	0.00	474.52
	4.0E-01	-252.03	15.34	0.00	0.00	0.00	470.38
	8.0E-01	-252.03	25.34	0.00	0.00	0.00	462.25
6	S1						
	0.00	-265.01	17.07	0.00	0.00	0.00	571.20
	4.0E-01	-265.64	27.07	0.00	0.00	0.00	562.37
	8.0E-01	-266.26	37.07	0.00	0.00	0.00	549.54

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7	SLU1	0.00	-106.05	122.81	0.00	0.00	0.00	233.34
		1.25	-75.43	74.85	0.00	0.00	0.00	111.03
		2.50	-44.80	38.71	0.00	0.00	0.00	41.29
7	SLU2	0.00	-106.05	145.90	0.00	0.00	0.00	299.14
		1.25	-75.43	92.88	0.00	0.00	0.00	151.13
		2.50	-44.80	51.67	0.00	0.00	0.00	62.02
7	TA1	0.00	-75.75	87.72	0.00	0.00	0.00	166.67
		1.25	-53.88	53.47	0.00	0.00	0.00	79.31
		2.50	-32.00	27.65	0.00	0.00	0.00	29.49
7	TA2	0.00	-75.75	103.11	0.00	0.00	0.00	210.54
		1.25	-53.88	65.48	0.00	0.00	0.00	106.04
		2.50	-32.00	36.29	0.00	0.00	0.00	43.32
7	S1	0.00	-75.75	112.40	0.00	0.00	0.00	248.14
		1.25	-53.88	74.73	0.00	0.00	0.00	131.96
		2.50	-32.00	44.56	0.00	0.00	0.00	58.19
8	SLU1	0.00	-318.33	-74.24	0.00	0.00	0.00	521.76
		4.0E-01	-318.33	-60.24	0.00	0.00	0.00	548.65
		8.0E-01	-318.33	-46.24	0.00	0.00	0.00	569.95
8	SLU2	0.00	-355.41	-77.87	0.00	0.00	0.00	674.51
		4.0E-01	-355.41	-63.87	0.00	0.00	0.00	702.85
		8.0E-01	-355.41	-49.87	0.00	0.00	0.00	725.60
8	TA1	0.00	-227.38	-53.03	0.00	0.00	0.00	372.68
		4.0E-01	-227.38	-43.03	0.00	0.00	0.00	391.89
		8.0E-01	-227.38	-33.03	0.00	0.00	0.00	407.11
8	TA2	0.00	-252.10	-55.45	0.00	0.00	0.00	474.52
		4.0E-01	-252.10	-45.45	0.00	0.00	0.00	494.70
		8.0E-01	-252.10	-35.45	0.00	0.00	0.00	510.87
8	S1	0.00	-262.28	-47.00	0.00	0.00	0.00	553.60
		4.0E-01	-262.91	-37.00	0.00	0.00	0.00	570.40
		8.0E-01	-263.53	-27.00	0.00	0.00	0.00	583.20
10	SLU1	0.00	-318.74	-147.08	0.00	0.00	0.00	648.59
		4.0E-01	-318.74	-133.08	0.00	0.00	0.00	704.62
		8.0E-01	-318.74	-119.08	0.00	0.00	0.00	755.06
10	SLU2	0.00	-355.86	-153.35	0.00	0.00	0.00	808.58
		4.0E-01	-355.86	-139.35	0.00	0.00	0.00	867.12
		8.0E-01	-355.86	-125.35	0.00	0.00	0.00	920.06
10	TA1	0.00	-227.67	-105.06	0.00	0.00	0.00	463.28
		4.0E-01	-227.67	-95.06	0.00	0.00	0.00	503.30
		8.0E-01	-227.67	-85.06	0.00	0.00	0.00	539.33
10	TA2	0.00	-252.42	-109.24	0.00	0.00	0.00	569.94
		4.0E-01	-252.42	-99.24	0.00	0.00	0.00	611.63
		8.0E-01	-252.42	-89.24	0.00	0.00	0.00	649.33
10	S1							

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	0.00	-259.82	-104.76	0.00	0.00	0.00	637.09
	4.0E-01	-260.44	-94.76	0.00	0.00	0.00	677.00
	8.0E-01	-261.07	-84.76	0.00	0.00	0.00	712.90
11	SLU1						
	0.00	-44.80	38.71	0.00	0.00	0.00	41.29
	1.60	-22.40	9.68	0.00	0.00	0.00	5.16
	3.20	0.00	0.00	0.00	0.00	0.00	0.00
11	SLU2						
	0.00	-44.80	51.67	0.00	0.00	0.00	62.02
	1.60	-22.40	16.16	0.00	0.00	0.00	10.34
	3.20	0.00	0.00	0.00	0.00	0.00	0.00
11	TA1						
	0.00	-32.00	27.65	0.00	0.00	0.00	29.49
	1.60	-16.00	6.91	0.00	0.00	0.00	3.69
	3.20	0.00	0.00	0.00	0.00	0.00	0.00
11	TA2						
	0.00	-32.00	36.29	0.00	0.00	0.00	43.32
	1.60	-16.00	11.23	0.00	0.00	0.00	7.14
	3.20	0.00	0.00	0.00	0.00	0.00	0.00
11	S1						
	0.00	-32.00	44.56	0.00	0.00	0.00	58.19
	1.60	-16.00	16.14	0.00	0.00	0.00	11.27
	3.20	0.00	0.00	0.00	0.00	0.00	0.00
12	SLU1						
	0.00	-319.48	-200.16	0.00	0.00	0.00	885.44
	1.3E-03	-319.48	-200.07	0.00	0.00	0.00	885.94
	2.5E-03	-319.48	-199.98	0.00	0.00	0.00	886.44
12	SLU2						
	0.00	-356.69	-203.70	0.00	0.00	0.00	1055.07
	1.3E-03	-356.69	-203.61	0.00	0.00	0.00	1055.58
	2.5E-03	-356.69	-203.52	0.00	0.00	0.00	1056.09
12	TA1						
	0.00	-228.20	-142.97	0.00	0.00	0.00	632.46
	1.3E-03	-228.20	-142.91	0.00	0.00	0.00	632.82
	2.5E-03	-228.20	-142.85	0.00	0.00	0.00	633.17
12	TA2						
	0.00	-253.00	-145.33	0.00	0.00	0.00	745.54
	1.3E-03	-253.00	-145.27	0.00	0.00	0.00	745.91
	2.5E-03	-253.00	-145.21	0.00	0.00	0.00	746.27
12	S1						
	0.00	-257.63	-144.14	0.00	0.00	0.00	806.99
	1.3E-03	-257.63	-144.08	0.00	0.00	0.00	807.35
	2.5E-03	-257.64	-144.01	0.00	0.00	0.00	807.71
14	SLU1						
	0.00	-211.05	286.11	0.00	0.00	0.00	829.71
	1.50	-158.55	195.96	0.00	0.00	0.00	470.29
	3.00	-106.05	122.81	0.00	0.00	0.00	233.34
14	SLU2						
	0.00	-211.05	321.34	0.00	0.00	0.00	982.99
	1.50	-158.55	225.12	0.00	0.00	0.00	575.27
	3.00	-106.05	145.90	0.00	0.00	0.00	299.14
14	TA1						
	0.00	-150.75	204.36	0.00	0.00	0.00	592.65
	1.50	-113.25	139.97	0.00	0.00	0.00	335.92
	3.00	-75.75	87.72	0.00	0.00	0.00	166.67
14	TA2						
	0.00	-150.75	227.85	0.00	0.00	0.00	694.83

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		1.50	-113.25	159.41	0.00	0.00	0.00	405.91
		3.00	-75.75	103.11	0.00	0.00	0.00	210.54
14	S1							
		0.00	-150.75	250.85	0.00	0.00	0.00	819.65
		1.50	-113.25	180.96	0.00	0.00	0.00	497.15
		3.00	-75.75	121.87	0.00	0.00	0.00	271.38
15	SLU1							
		5.0E-01	-211.22	286.44	0.00	0.00	0.00	831.15
		5.0E-01	-211.14	286.27	0.00	0.00	0.00	830.43
		5.0E-01	-211.05	286.11	0.00	0.00	0.00	829.71
15	SLU2							
		5.0E-01	-211.22	321.69	0.00	0.00	0.00	984.59
		5.0E-01	-211.14	321.52	0.00	0.00	0.00	983.79
		5.0E-01	-211.05	321.34	0.00	0.00	0.00	982.99
15	TA1							
		5.0E-01	-150.87	204.60	0.00	0.00	0.00	593.68
		5.0E-01	-150.81	204.48	0.00	0.00	0.00	593.16
		5.0E-01	-150.75	204.36	0.00	0.00	0.00	592.65
15	TA2							
		5.0E-01	-150.87	228.10	0.00	0.00	0.00	695.97
		5.0E-01	-150.81	227.98	0.00	0.00	0.00	695.40
		5.0E-01	-150.75	227.85	0.00	0.00	0.00	694.83
15	S1							
		5.0E-01	-150.87	251.10	0.00	0.00	0.00	820.90
		5.0E-01	-150.81	250.97	0.00	0.00	0.00	820.28
		5.0E-01	-150.75	250.85	0.00	0.00	0.00	819.65
17	SLU1							
		5.0E-01	-211.22	286.44	0.00	0.00	0.00	831.15
		5.0E-01	-211.14	286.27	0.00	0.00	0.00	830.43
		5.0E-01	-211.05	286.11	0.00	0.00	0.00	829.71
17	SLU2							
		5.0E-01	-211.23	321.69	0.00	0.00	0.00	984.59
		5.0E-01	-211.14	321.52	0.00	0.00	0.00	983.79
		5.0E-01	-211.05	321.34	0.00	0.00	0.00	982.99
17	TA1							
		5.0E-01	-150.87	204.60	0.00	0.00	0.00	593.68
		5.0E-01	-150.81	204.48	0.00	0.00	0.00	593.16
		5.0E-01	-150.75	204.36	0.00	0.00	0.00	592.65
17	TA2							
		5.0E-01	-150.88	228.10	0.00	0.00	0.00	695.97
		5.0E-01	-150.81	227.98	0.00	0.00	0.00	695.40
		5.0E-01	-150.75	227.85	0.00	0.00	0.00	694.83
17	S1							
		5.0E-01	-150.87	232.24	0.00	0.00	0.00	755.11
		5.0E-01	-150.81	232.12	0.00	0.00	0.00	754.53
		5.0E-01	-150.75	232.00	0.00	0.00	0.00	753.95
20	SLU1							
		0.00	-211.05	286.11	0.00	0.00	0.00	829.71
		1.50	-158.55	195.96	0.00	0.00	0.00	470.29
		3.00	-106.05	122.81	0.00	0.00	0.00	233.34
20	SLU2							
		0.00	-211.05	321.34	0.00	0.00	0.00	982.99
		1.50	-158.55	225.12	0.00	0.00	0.00	575.27
		3.00	-106.05	145.90	0.00	0.00	0.00	299.14
20	TA1							
		0.00	-150.75	204.36	0.00	0.00	0.00	592.65
		1.50	-113.25	139.97	0.00	0.00	0.00	335.92

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	3.00	-75.75	87.72	0.00	0.00	0.00	166.67
20	TA2						
	0.00	-150.75	227.85	0.00	0.00	0.00	694.83
	1.50	-113.25	159.41	0.00	0.00	0.00	405.91
	3.00	-75.75	103.11	0.00	0.00	0.00	210.54
20	S1						
	0.00	-150.75	232.00	0.00	0.00	0.00	753.95
	1.50	-113.25	166.80	0.00	0.00	0.00	456.19
	3.00	-75.75	112.40	0.00	0.00	0.00	248.14
23	SLU1						
	5.0E-01	-319.48	199.98	0.00	0.00	0.00	886.44
	5.0E-01	-319.48	200.03	0.00	0.00	0.00	886.19
	5.0E-01	-319.48	200.07	0.00	0.00	0.00	885.94
	5.0E-01	-319.48	200.12	0.00	0.00	0.00	885.69
	5.0E-01	-319.48	200.16	0.00	0.00	0.00	885.44
23	SLU2						
	5.0E-01	-356.69	203.52	0.00	0.00	0.00	1056.09
	5.0E-01	-356.69	203.57	0.00	0.00	0.00	1055.83
	5.0E-01	-356.69	203.61	0.00	0.00	0.00	1055.58
	5.0E-01	-356.69	203.66	0.00	0.00	0.00	1055.32
	5.0E-01	-356.69	203.70	0.00	0.00	0.00	1055.07
23	TA1						
	5.0E-01	-228.20	142.85	0.00	0.00	0.00	633.17
	5.0E-01	-228.20	142.88	0.00	0.00	0.00	632.99
	5.0E-01	-228.20	142.91	0.00	0.00	0.00	632.82
	5.0E-01	-228.20	142.94	0.00	0.00	0.00	632.64
	5.0E-01	-228.20	142.97	0.00	0.00	0.00	632.46
23	TA2						
	5.0E-01	-253.00	145.21	0.00	0.00	0.00	746.27
	5.0E-01	-253.00	145.24	0.00	0.00	0.00	746.09
	5.0E-01	-253.00	145.27	0.00	0.00	0.00	745.91
	5.0E-01	-253.00	145.30	0.00	0.00	0.00	745.72
	5.0E-01	-253.00	145.33	0.00	0.00	0.00	745.54
23	S1						
	5.0E-01	-274.28	150.47	0.00	0.00	0.00	880.03
	5.0E-01	-274.28	150.50	0.00	0.00	0.00	879.84
	5.0E-01	-274.28	150.53	0.00	0.00	0.00	879.65
	5.0E-01	-274.28	150.57	0.00	0.00	0.00	879.46
	5.0E-01	-274.29	150.60	0.00	0.00	0.00	879.27
27	SLU1						
	0.00	-318.74	119.08	0.00	0.00	0.00	755.06
	2.0E-01	-318.74	126.08	0.00	0.00	0.00	730.54
	4.0E-01	-318.74	133.08	0.00	0.00	0.00	704.62
	6.0E-01	-318.74	140.08	0.00	0.00	0.00	677.31
	8.0E-01	-318.74	147.08	0.00	0.00	0.00	648.59
27	SLU2						
	0.00	-355.86	125.35	0.00	0.00	0.00	920.06
	2.0E-01	-355.86	132.35	0.00	0.00	0.00	894.29
	4.0E-01	-355.86	139.35	0.00	0.00	0.00	867.12
	6.0E-01	-355.86	146.35	0.00	0.00	0.00	838.55
	8.0E-01	-355.86	153.35	0.00	0.00	0.00	808.58
27	TA1						
	0.00	-227.67	85.06	0.00	0.00	0.00	539.33
	2.0E-01	-227.67	90.06	0.00	0.00	0.00	521.81
	4.0E-01	-227.67	95.06	0.00	0.00	0.00	503.30
	6.0E-01	-227.67	100.06	0.00	0.00	0.00	483.79
	8.0E-01	-227.67	105.06	0.00	0.00	0.00	463.28
27	TA2						

LINEA AV/AC MILANO – GENOVA
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	0.00	-252.42	89.24	0.00	0.00	0.00	649.33
	2.0E-01	-252.42	94.24	0.00	0.00	0.00	630.98
	4.0E-01	-252.42	99.24	0.00	0.00	0.00	611.63
	6.0E-01	-252.42	104.24	0.00	0.00	0.00	591.29
	8.0E-01	-252.42	109.24	0.00	0.00	0.00	569.94
27	S1						
	0.00	-269.62	100.92	0.00	0.00	0.00	775.61
	2.0E-01	-269.93	105.92	0.00	0.00	0.00	754.92
	4.0E-01	-270.24	110.92	0.00	0.00	0.00	733.24
	6.0E-01	-270.56	115.92	0.00	0.00	0.00	710.55
	8.0E-01	-270.87	120.92	0.00	0.00	0.00	686.87
33	SLU1						
	0.00	-318.33	46.24	0.00	0.00	0.00	569.95
	2.0E-01	-318.33	53.24	0.00	0.00	0.00	560.00
	4.0E-01	-318.33	60.24	0.00	0.00	0.00	548.65
	6.0E-01	-318.33	67.24	0.00	0.00	0.00	535.90
	8.0E-01	-318.33	74.24	0.00	0.00	0.00	521.76
33	SLU2						
	0.00	-355.41	49.87	0.00	0.00	0.00	725.60
	2.0E-01	-355.41	56.87	0.00	0.00	0.00	714.93
	4.0E-01	-355.41	63.87	0.00	0.00	0.00	702.85
	6.0E-01	-355.41	70.87	0.00	0.00	0.00	689.38
	8.0E-01	-355.41	77.87	0.00	0.00	0.00	674.51
33	TA1						
	0.00	-227.38	33.03	0.00	0.00	0.00	407.11
	2.0E-01	-227.38	38.03	0.00	0.00	0.00	400.00
	4.0E-01	-227.38	43.03	0.00	0.00	0.00	391.89
	6.0E-01	-227.38	48.03	0.00	0.00	0.00	382.79
	8.0E-01	-227.38	53.03	0.00	0.00	0.00	372.68
33	TA2						
	0.00	-252.10	35.45	0.00	0.00	0.00	510.87
	2.0E-01	-252.10	40.45	0.00	0.00	0.00	503.29
	4.0E-01	-252.10	45.45	0.00	0.00	0.00	494.70
	6.0E-01	-252.10	50.45	0.00	0.00	0.00	485.11
	8.0E-01	-252.10	55.45	0.00	0.00	0.00	474.52
33	S1						
	0.00	-266.48	48.07	0.00	0.00	0.00	617.65
	2.0E-01	-266.79	53.07	0.00	0.00	0.00	607.54
	4.0E-01	-267.10	58.07	0.00	0.00	0.00	596.42
	6.0E-01	-267.41	63.07	0.00	0.00	0.00	584.31
	8.0E-01	-267.73	68.07	0.00	0.00	0.00	571.20
41	SLU1						
	0.00	-318.25	-34.29	0.00	0.00	0.00	505.53
	2.0E-01	-318.25	-27.29	0.00	0.00	0.00	511.68
	4.0E-01	-318.25	-20.29	0.00	0.00	0.00	516.44
	6.0E-01	-318.25	-13.29	0.00	0.00	0.00	519.80
	8.0E-01	-318.25	-6.29	0.00	0.00	0.00	521.76
41	SLU2						
	0.00	-355.32	-35.56	0.00	0.00	0.00	657.26
	2.0E-01	-355.32	-28.56	0.00	0.00	0.00	663.67
	4.0E-01	-355.32	-21.56	0.00	0.00	0.00	668.69
	6.0E-01	-355.32	-14.56	0.00	0.00	0.00	672.30
	8.0E-01	-355.32	-7.56	0.00	0.00	0.00	674.51
41	TA1						
	0.00	-227.32	-24.49	0.00	0.00	0.00	361.09
	2.0E-01	-227.32	-19.49	0.00	0.00	0.00	365.49
	4.0E-01	-227.32	-14.49	0.00	0.00	0.00	368.89
	6.0E-01	-227.32	-9.49	0.00	0.00	0.00	371.28

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	8.0E-01	-227.32	-4.49	0.00	0.00	0.00	372.68
41	TA2						
	0.00	-252.03	-25.34	0.00	0.00	0.00	462.25
	2.0E-01	-252.03	-20.34	0.00	0.00	0.00	466.82
	4.0E-01	-252.03	-15.34	0.00	0.00	0.00	470.38
	6.0E-01	-252.03	-10.34	0.00	0.00	0.00	472.95
	8.0E-01	-252.03	-5.34	0.00	0.00	0.00	474.52
41	S1						
	0.00	-263.61	-15.07	0.00	0.00	0.00	549.54
	2.0E-01	-263.92	-10.07	0.00	0.00	0.00	552.06
	4.0E-01	-264.24	-5.07	0.00	0.00	0.00	553.57
	6.0E-01	-264.55	-6.649E-02	0.00	0.00	0.00	554.08
	8.0E-01	-264.86	4.93	0.00	0.00	0.00	553.60
51	SLU1						
	0.00	-318.50	-112.30	0.00	0.00	0.00	569.95
	2.0E-01	-318.50	-105.30	0.00	0.00	0.00	591.71
	4.0E-01	-318.50	-98.30	0.00	0.00	0.00	612.07
	6.0E-01	-318.50	-91.30	0.00	0.00	0.00	631.03
	8.0E-01	-318.50	-84.30	0.00	0.00	0.00	648.59
51	SLU2						
	0.00	-355.59	-117.72	0.00	0.00	0.00	725.60
	2.0E-01	-355.59	-110.72	0.00	0.00	0.00	748.45
	4.0E-01	-355.59	-103.72	0.00	0.00	0.00	769.89
	6.0E-01	-355.59	-96.72	0.00	0.00	0.00	789.94
	8.0E-01	-355.59	-89.72	0.00	0.00	0.00	808.58
51	TA1						
	0.00	-227.50	-80.22	0.00	0.00	0.00	407.11
	2.0E-01	-227.50	-75.22	0.00	0.00	0.00	422.65
	4.0E-01	-227.50	-70.22	0.00	0.00	0.00	437.19
	6.0E-01	-227.50	-65.22	0.00	0.00	0.00	450.74
	8.0E-01	-227.50	-60.22	0.00	0.00	0.00	463.28
51	TA2						
	0.00	-252.23	-83.83	0.00	0.00	0.00	510.87
	2.0E-01	-252.23	-78.83	0.00	0.00	0.00	527.14
	4.0E-01	-252.23	-73.83	0.00	0.00	0.00	542.41
	6.0E-01	-252.23	-68.83	0.00	0.00	0.00	556.67
	8.0E-01	-252.23	-63.83	0.00	0.00	0.00	569.94
51	S1						
	0.00	-261.02	-77.37	0.00	0.00	0.00	583.20
	2.0E-01	-261.33	-72.37	0.00	0.00	0.00	598.17
	4.0E-01	-261.64	-67.37	0.00	0.00	0.00	612.15
	6.0E-01	-261.95	-62.37	0.00	0.00	0.00	625.12
	8.0E-01	-262.27	-57.37	0.00	0.00	0.00	637.09
63	SLU1						
	0.00	-319.07	-176.98	0.00	0.00	0.00	755.06
	2.0E-01	-319.07	-169.98	0.00	0.00	0.00	789.75
	4.0E-01	-319.07	-162.98	0.00	0.00	0.00	823.05
	6.0E-01	-319.07	-155.98	0.00	0.00	0.00	854.95
	8.0E-01	-319.07	-148.98	0.00	0.00	0.00	885.44
63	SLU2						
	0.00	-356.23	-182.76	0.00	0.00	0.00	920.06
	2.0E-01	-356.23	-175.76	0.00	0.00	0.00	955.91
	4.0E-01	-356.23	-168.76	0.00	0.00	0.00	990.36
	6.0E-01	-356.23	-161.76	0.00	0.00	0.00	1023.42
	8.0E-01	-356.23	-154.76	0.00	0.00	0.00	1055.07
63	TA1						
	0.00	-227.91	-126.42	0.00	0.00	0.00	539.33
	2.0E-01	-227.91	-121.42	0.00	0.00	0.00	564.11

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	4.0E-01	-227.91	-116.42	0.00	0.00	0.00	587.89
	6.0E-01	-227.91	-111.42	0.00	0.00	0.00	610.68
	8.0E-01	-227.91	-106.42	0.00	0.00	0.00	632.46
63	TA2						
	0.00	-252.68	-130.27	0.00	0.00	0.00	649.33
	2.0E-01	-252.68	-125.27	0.00	0.00	0.00	674.88
	4.0E-01	-252.68	-120.27	0.00	0.00	0.00	699.44
	6.0E-01	-252.68	-115.27	0.00	0.00	0.00	722.99
	8.0E-01	-252.68	-110.27	0.00	0.00	0.00	745.54
63	S1						
	0.00	-258.69	-127.60	0.00	0.00	0.00	712.90
	2.0E-01	-259.00	-122.60	0.00	0.00	0.00	737.93
	4.0E-01	-259.32	-117.60	0.00	0.00	0.00	761.95
	6.0E-01	-259.63	-112.60	0.00	0.00	0.00	784.97
	8.0E-01	-259.94	-107.60	0.00	0.00	0.00	806.99

1.4. MURO D'ALA SEZIONE "B"

1.4.1. InPut

; File D:\UTENTE\Arch-2000\A167_Dam_Milano-Genova\MURO_U_H_641.s2k saved 9.19.12 10:21:49 in KN-m

SYSTEM

DOF=UX,UZ,RY LENGTH=m FORCE=KN PAGE=SECTIONS

JOINT

1 X=0 Y=0 Z=0
2 X=.35 Y=0 Z=0
13 X=7.7 Y=0 Z=0
14 X=0 Y=0 Z=.35
15 X=7.7 Y=0 Z=.35
16 X=0 Y=0 Z=6.76
17 X=7.7 Y=0 Z=3.67
18 X=0 Y=0 Z=3.35
19 X=7.35 Y=0 Z=0
20 X=1.05 Y=0 Z=0
21 X=1.75 Y=0 Z=0
22 X=2.45 Y=0 Z=0
23 X=3.15 Y=0 Z=0
24 X=3.85 Y=0 Z=0
25 X=4.55 Y=0 Z=0
26 X=5.25 Y=0 Z=0
27 X=5.95 Y=0 Z=0
28 X=6.65 Y=0 Z=0

PATTERN

NAME=DEFAULT

SPRING

ADD=1 U1=8400 U2=8400 U3=8400
ADD=2 U1=8400 U2=8400 U3=8400
ADD=13 U1=8400 U2=8400 U3=8400
ADD=19 U1=8400 U2=8400 U3=8400
ADD=20 U1=8400 U2=8400 U3=8400
ADD=21 U1=8400 U2=8400 U3=8400
ADD=22 U1=8400 U2=8400 U3=8400
ADD=23 U1=8400 U2=8400 U3=8400
ADD=24 U1=8400 U2=8400 U3=8400
ADD=25 U1=8400 U2=8400 U3=8400
ADD=26 U1=8400 U2=8400 U3=8400
ADD=27 U1=8400 U2=8400 U3=8400
ADD=28 U1=8400 U2=8400 U3=8400

MATERIAL

NAME=STEEL IDES=S M=7.8271 W=76.81955
T=0 E=1.99948E+08 U=.3 A=.0000117 FY=248211.3
NAME=CONC IDES=C M=2.5 W=25

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T=0 E=3.3675E+07 U=.2 A=.00001
NAME=OTHER IDES=N M=2.40068 W=23.56161
T=0 E=2.482113E+07 U=.2 A=.0000099
NAME=RCK35 IDES=C M=2.5 W=25
T=0 E=3.375E+07 U=.2 A=.00001

FRAME SECTION

NAME=FPSEC1 MAT=CONC SH=R T=.5,.3 A=.15 J=2.817371E-03 I=.003125,.001125 AS=.125,.125
NAME=SEZ70 MAT=RCK35 SH=R T=.7,1 A=.7 J=6.492118E-02 I=2.858333E-02,5.833333E-02 AS=.5833333,.5833333
NAME=FONDAZ MAT=RCK35 SH=R T=.7,1 A=.7 J=6.492118E-02 I=2.858333E-02,5.833333E-02 AS=.5833333,.5833333
NAME=SEZ40 MAT=RCK35 SH=R T=.4,1 A=.4 J=.0159688 I=5.333334E-03,3.333334E-02 AS=.3333333,.3333333

FRAME

1 J=13,15 SEC=SEZ40 NSEG=2 ANG=180 IOFF=.34746 RIGID=0
3 J=15,17 SEC=SEZ40 NSEG=2 ANG=180
5 J=1,14 SEC=SEZ70 NSEG=2 ANG=0 IOFF=.34746 RIGID=0
7 J=14,18 SEC=SEZ70 NSEG=2 ANG=0
9 J=18,16 SEC=SEZ40 NSEG=2 ANG=0
23 J=1,2 SEC=FONDAZ NSEG=4 ANG=0 IOFF=.3465 RIGID=0
24 J=19,13 SEC=FONDAZ NSEG=4 ANG=0 JOFF=.34746 RIGID=0
25 J=2,20 SEC=FONDAZ NSEG=4 ANG=0
26 J=20,21 SEC=FONDAZ NSEG=4 ANG=0
27 J=21,22 SEC=FONDAZ NSEG=4 ANG=0
28 J=22,23 SEC=FONDAZ NSEG=4 ANG=0
29 J=23,24 SEC=FONDAZ NSEG=4 ANG=0
30 J=24,25 SEC=FONDAZ NSEG=4 ANG=0
31 J=25,26 SEC=FONDAZ NSEG=4 ANG=0
32 J=26,27 SEC=FONDAZ NSEG=4 ANG=0
33 J=27,28 SEC=FONDAZ NSEG=4 ANG=0
34 J=28,19 SEC=FONDAZ NSEG=4 ANG=0

LOAD

NAME=LOAD1 SW=1
NAME=SPINTE
TYPE=DISTRIBUTED SPAN
ADD=1 RD=0,1 U2=19.82,17.92981
ADD=3 RD=0,1 U2=17.92981,0
ADD=5 RD=0,1 U2=36.5,34.61021
ADD=7 RD=0,1 U2=34.61021,18.41198
ADD=9 RD=0,1 U2=18.41198,0
NAME=SPSOV
TYPE=DISTRIBUTED SPAN
ADD=1 RD=0,1 U2=2.7,2.7
ADD=3 RD=0,1 U2=2.7,2.7
ADD=5 RD=0,1 U2=2.7,2.7
ADD=7 RD=0,1 U2=2.7,2.7
ADD=9 RD=0,1 U2=2.7,2.7
NAME=SISM
TYPE=DISTRIBUTED SPAN
ADD=1 RD=0,1 U2=0,.2098093
ADD=3 RD=0,1 U2=.2098093,2.2
ADD=5 RD=0,1 U2=0,.2102071
ADD=7 RD=0,1 U2=.2102071,2.011982
ADD=9 RD=0,1 U2=2.011982,4.06
NAME=INERZIA
TYPE=GRAVITY ELEM=FRAME
ADD=23 UX=.0625
ADD=1 UX=.0625
ADD=3 UX=.0625
ADD=5 UX=.0625

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ADD=7 UX=.0625
ADD=9 UX=.0625

COMBO

NAME=SLU1
LOAD=LOAD1 SF=1.4
LOAD=SPINTE SF=1.4
NAME=SLU2
LOAD=LOAD1 SF=1.4
LOAD=SPINTE SF=1.4
LOAD=SPSOV SF=1.5
NAME=TA1
LOAD=LOAD1 SF=1
LOAD=SPINTE SF=1
NAME=TA2
LOAD=LOAD1 SF=1
LOAD=SPINTE SF=1
LOAD=SPSOV SF=1
NAME=S1
LOAD=LOAD1 SF=1
LOAD=SPINTE SF=1
LOAD=SPSOV SF=.5
LOAD=SISM SF=1
LOAD=INERZIA SF=1
NAME=INVSLU TYPE=ENVE
COMB=SLU1 SF=1
COMB=SLU2 SF=1
COMB=S1 SF=1
NAME=INVSLE TYPE=ENVE
COMB=TA1 SF=1
COMB=TA2 SF=1

OUTPUT

; No Output Requested

END

; The following data is used for graphics, design and pushover analysis.
; If changes are made to the analysis data above, then the following data
; should be checked for consistency.

SAP2000 V7.00 SUPPLEMENTAL DATA

MATERIAL STEEL FY 248211.3
MATERIAL CONC FYREBAR 413685 FYSHEAR 275790 FC 27579 FCSHEAR 27579
MATERIAL RCK35 FYREBAR 60 FYSHEAR 40 FC 4 FCSHEAR 4
CONCRETESECTION FSEC1 COLUMN COVER .05 REBAR RR-3-3
CONCRETESECTION SEZ70 COLUMN COVER .04 REBAR RR-3-3
CONCRETESECTION FONDAZ COLUMN COVER .04572 REBAR RR-3-3
CONCRETESECTION SEZ40 COLUMN COVER .04572 REBAR RR-3-3
STATICLOAD LOAD1 TYPE DEAD
STATICLOAD SPINTE TYPE DEAD
STATICLOAD SPSOV TYPE DEAD
STATICLOAD SISM TYPE DEAD
STATICLOAD INERZIA TYPE DEAD
END SUPPLEMENTAL DATA

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1.4.2. OutPut

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L O A D C O M B I N A T I O N M U L T I P L I E R S

COMBO	TYPE	CASE	FACTOR	TYPE	TITLE
SLU1	ADD				SLU1C1
		LOAD1	1.4000	STATIC(DEAD)	
		SPINTE	1.4000	STATIC(DEAD)	
SLU2	ADD				COMB1
		LOAD1	1.4000	STATIC(DEAD)	
		SPINTE	1.4000	STATIC(DEAD)	
		SPSOV	1.5000	STATIC(DEAD)	
TA1	ADD				COMB1
		LOAD1	1.0000	STATIC(DEAD)	
		SPINTE	1.0000	STATIC(DEAD)	
TA2	ADD				COMB1
		LOAD1	1.0000	STATIC(DEAD)	
		SPINTE	1.0000	STATIC(DEAD)	
		SPSOV	1.0000	STATIC(DEAD)	
S1	ADD				COMB1
		LOAD1	1.0000	STATIC(DEAD)	
		SPINTE	1.0000	STATIC(DEAD)	
		SPSOV	0.5000	STATIC(DEAD)	
		SISM	1.0000	STATIC(DEAD)	
		INERZIA	1.0000	STATIC(DEAD)	

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F R A M E E L E M E N T F O R C E S

FRAME	LOAD	LOC	P	V2	V3	T	M2	M3
1	SLU1							
		3.5E-01	-46.53	41.76	0.00	0.00	0.00	46.26
		3.5E-01	-46.50	41.71	0.00	0.00	0.00	46.19
1	SLU2							
		3.5E-01	-46.48	41.67	0.00	0.00	0.00	46.11
		3.5E-01	-46.53	55.22	0.00	0.00	0.00	68.63
1	TA1							
		3.5E-01	-46.50	55.17	0.00	0.00	0.00	68.53
		3.5E-01	-46.48	55.11	0.00	0.00	0.00	68.43
1	TA1							
		3.5E-01	-33.24	29.83	0.00	0.00	0.00	33.04
		3.5E-01	-33.22	29.79	0.00	0.00	0.00	32.99
1	TA2							
		3.5E-01	-33.20	29.76	0.00	0.00	0.00	32.94
		3.5E-01	-33.24	38.80	0.00	0.00	0.00	47.95
1	TA2							
		3.5E-01	-33.22	38.76	0.00	0.00	0.00	47.89
		3.5E-01	-33.20	38.73	0.00	0.00	0.00	47.82

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1	S1						
		3.5E-01	-33.24	36.24	0.00	0.00	45.53
		3.5E-01	-33.22	36.20	0.00	0.00	45.47
		3.5E-01	-33.20	36.17	0.00	0.00	45.40
3	SLU1						
		0.00	-46.48	41.67	0.00	0.00	46.11
		1.66	-23.24	10.42	0.00	0.00	5.76
		3.32	0.00	0.00	0.00	0.00	0.00
3	SLU2						
		0.00	-46.48	55.11	0.00	0.00	68.43
		1.66	-23.24	17.14	0.00	0.00	11.34
		3.32	0.00	0.00	0.00	0.00	0.00
3	TA1						
		0.00	-33.20	29.76	0.00	0.00	32.94
		1.66	-16.60	7.44	0.00	0.00	4.12
		3.32	0.00	0.00	0.00	0.00	0.00
3	TA2						
		0.00	-33.20	38.73	0.00	0.00	47.82
		1.66	-16.60	11.92	0.00	0.00	7.84
		3.32	0.00	0.00	0.00	0.00	0.00
3	S1						
		0.00	-33.20	36.17	0.00	0.00	45.40
		1.66	-16.60	11.47	0.00	0.00	7.69
		3.32	0.00	0.00	0.00	0.00	0.00
5	SLU1						
		3.5E-01	-121.33	155.47	0.00	0.00	332.36
		3.5E-01	-121.28	155.38	0.00	0.00	332.09
		3.5E-01	-121.24	155.30	0.00	0.00	331.82
5	SLU2						
		3.5E-01	-121.33	181.44	0.00	0.00	415.65
		3.5E-01	-121.28	181.35	0.00	0.00	415.34
		3.5E-01	-121.24	181.26	0.00	0.00	415.02
5	TA1						
		3.5E-01	-86.66	111.05	0.00	0.00	237.40
		3.5E-01	-86.63	110.99	0.00	0.00	237.21
		3.5E-01	-86.60	110.93	0.00	0.00	237.01
5	TA2						
		3.5E-01	-86.66	128.36	0.00	0.00	292.93
		3.5E-01	-86.63	128.30	0.00	0.00	292.70
		3.5E-01	-86.60	128.23	0.00	0.00	292.48
5	S1						
		3.5E-01	-86.66	138.81	0.00	0.00	337.23
		3.5E-01	-86.63	138.74	0.00	0.00	336.98
		3.5E-01	-86.60	138.68	0.00	0.00	336.74
7	SLU1						
		0.00	-121.24	155.30	0.00	0.00	331.82
		1.50	-84.49	91.12	0.00	0.00	149.13
		3.00	-47.74	43.95	0.00	0.00	49.96
7	SLU2						
		0.00	-121.24	181.26	0.00	0.00	415.02
		1.50	-84.49	111.00	0.00	0.00	197.95
		3.00	-47.74	57.76	0.00	0.00	73.50
7	TA1						
		0.00	-86.60	110.93	0.00	0.00	237.01
		1.50	-60.35	65.08	0.00	0.00	106.52
		3.00	-34.10	31.39	0.00	0.00	35.68
7	TA2						

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	0.00	-86.60	128.23	0.00	0.00	0.00	292.48
	1.50	-60.35	78.34	0.00	0.00	0.00	139.07
	3.00	-34.10	40.60	0.00	0.00	0.00	51.38
7 S1							
	0.00	-86.60	138.68	0.00	0.00	0.00	336.74
	1.50	-60.35	88.18	0.00	0.00	0.00	167.95
	3.00	-34.10	48.48	0.00	0.00	0.00	66.80
9 SLU1							
	0.00	-47.74	43.95	0.00	0.00	0.00	49.96
	1.71	-23.87	10.99	0.00	0.00	0.00	6.24
	3.41	0.00	0.00	0.00	0.00	0.00	0.00
9 SLU2							
	0.00	-47.74	57.76	0.00	0.00	0.00	73.50
	1.71	-23.87	17.89	0.00	0.00	0.00	12.13
	3.41	0.00	0.00	0.00	0.00	0.00	0.00
9 TA1							
	0.00	-34.10	31.39	0.00	0.00	0.00	35.68
	1.71	-17.05	7.85	0.00	0.00	0.00	4.46
	3.41	0.00	0.00	0.00	0.00	0.00	0.00
9 TA2							
	0.00	-34.10	40.60	0.00	0.00	0.00	51.38
	1.71	-17.05	12.45	0.00	0.00	0.00	8.38
	3.41	0.00	0.00	0.00	0.00	0.00	0.00
9 S1							
	0.00	-34.10	48.48	0.00	0.00	0.00	66.80
	1.71	-17.05	17.26	0.00	0.00	0.00	12.74
	3.41	0.00	0.00	0.00	0.00	0.00	0.00
23 SLU1							
	3.5E-01	-163.18	116.06	0.00	0.00	0.00	350.45
	3.5E-01	-163.18	116.08	0.00	0.00	0.00	350.34
	3.5E-01	-163.18	116.11	0.00	0.00	0.00	350.24
	3.5E-01	-163.18	116.13	0.00	0.00	0.00	350.14
	3.5E-01	-163.18	116.15	0.00	0.00	0.00	350.04
23 SLU2							
	3.5E-01	-189.56	121.22	0.00	0.00	0.00	441.20
	3.5E-01	-189.56	121.25	0.00	0.00	0.00	441.09
	3.5E-01	-189.56	121.27	0.00	0.00	0.00	440.98
	3.5E-01	-189.56	121.29	0.00	0.00	0.00	440.88
	3.5E-01	-189.56	121.31	0.00	0.00	0.00	440.77
23 TA1							
	3.5E-01	-116.55	82.90	0.00	0.00	0.00	250.32
	3.5E-01	-116.55	82.92	0.00	0.00	0.00	250.25
	3.5E-01	-116.55	82.93	0.00	0.00	0.00	250.17
	3.5E-01	-116.55	82.95	0.00	0.00	0.00	250.10
	3.5E-01	-116.55	82.96	0.00	0.00	0.00	250.03
23 TA2							
	3.5E-01	-134.14	86.34	0.00	0.00	0.00	310.82
	3.5E-01	-134.14	86.36	0.00	0.00	0.00	310.74
	3.5E-01	-134.14	86.37	0.00	0.00	0.00	310.67
	3.5E-01	-134.14	86.39	0.00	0.00	0.00	310.59
	3.5E-01	-134.14	86.40	0.00	0.00	0.00	310.52
23 S1							
	3.5E-01	-143.83	89.60	0.00	0.00	0.00	357.60
	3.5E-01	-143.83	89.61	0.00	0.00	0.00	357.52
	3.5E-01	-143.83	89.63	0.00	0.00	0.00	357.44
	3.5E-01	-143.83	89.65	0.00	0.00	0.00	357.36
	3.5E-01	-143.84	89.66	0.00	0.00	0.00	357.29

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24	SLU1	0.00	-60.15	-33.55	0.00	0.00	0.00	52.05
		6.3E-04	-60.15	-33.53	0.00	0.00	0.00	52.08
		1.3E-03	-60.15	-33.51	0.00	0.00	0.00	52.11
		1.9E-03	-60.15	-33.48	0.00	0.00	0.00	52.14
		2.5E-03	-60.15	-33.46	0.00	0.00	0.00	52.17
24	SLU2	0.00	-75.95	-32.25	0.00	0.00	0.00	79.78
		6.3E-04	-75.95	-32.23	0.00	0.00	0.00	79.80
		1.3E-03	-75.95	-32.21	0.00	0.00	0.00	79.83
		1.9E-03	-75.95	-32.19	0.00	0.00	0.00	79.86
		2.5E-03	-75.95	-32.17	0.00	0.00	0.00	79.89
24	TA1	0.00	-42.97	-23.96	0.00	0.00	0.00	37.18
		6.3E-04	-42.97	-23.95	0.00	0.00	0.00	37.20
		1.3E-03	-42.97	-23.93	0.00	0.00	0.00	37.22
		1.9E-03	-42.97	-23.92	0.00	0.00	0.00	37.24
		2.5E-03	-42.97	-23.90	0.00	0.00	0.00	37.26
24	TA2	0.00	-53.50	-23.10	0.00	0.00	0.00	55.66
		6.3E-04	-53.50	-23.08	0.00	0.00	0.00	55.68
		1.3E-03	-53.50	-23.07	0.00	0.00	0.00	55.70
		1.9E-03	-53.50	-23.05	0.00	0.00	0.00	55.72
		2.5E-03	-53.50	-23.04	0.00	0.00	0.00	55.74
24	S1	0.00	-51.36	-21.28	0.00	0.00	0.00	52.88
		6.3E-04	-51.36	-21.26	0.00	0.00	0.00	52.90
		1.3E-03	-51.36	-21.25	0.00	0.00	0.00	52.91
		1.9E-03	-51.36	-21.23	0.00	0.00	0.00	52.93
		2.5E-03	-51.36	-21.22	0.00	0.00	0.00	52.95
25	SLU1	0.00	-153.65	91.73	0.00	0.00	0.00	350.04
		1.8E-01	-153.65	96.02	0.00	0.00	0.00	333.61
		3.5E-01	-153.65	100.31	0.00	0.00	0.00	316.43
		5.3E-01	-153.65	104.60	0.00	0.00	0.00	298.50
		7.0E-01	-153.65	108.88	0.00	0.00	0.00	279.82
25	SLU2	0.00	-179.05	101.03	0.00	0.00	0.00	440.77
		1.8E-01	-179.05	105.32	0.00	0.00	0.00	422.72
		3.5E-01	-179.05	109.60	0.00	0.00	0.00	403.91
		5.3E-01	-179.05	113.89	0.00	0.00	0.00	384.35
		7.0E-01	-179.05	118.18	0.00	0.00	0.00	364.05
25	TA1	0.00	-109.75	65.52	0.00	0.00	0.00	250.03
		1.8E-01	-109.75	68.59	0.00	0.00	0.00	238.29
		3.5E-01	-109.75	71.65	0.00	0.00	0.00	226.02
		5.3E-01	-109.75	74.71	0.00	0.00	0.00	213.22
		7.0E-01	-109.75	77.77	0.00	0.00	0.00	199.87
25	TA2	0.00	-126.68	71.72	0.00	0.00	0.00	310.52
		1.8E-01	-126.68	74.78	0.00	0.00	0.00	297.70
		3.5E-01	-126.68	77.85	0.00	0.00	0.00	284.34
		5.3E-01	-126.68	80.91	0.00	0.00	0.00	270.45
		7.0E-01	-126.68	83.97	0.00	0.00	0.00	256.02
25	S1	0.00	-135.29	77.68	0.00	0.00	0.00	357.29
		1.8E-01	-135.29	80.74	0.00	0.00	0.00	343.42
		3.5E-01	-135.29	83.80	0.00	0.00	0.00	329.03
		5.3E-01	-135.29	86.87	0.00	0.00	0.00	314.09

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	7.0E-01	-135.29	89.93	0.00	0.00	0.00	298.62
26	SLU1						
	0.00	-144.17	81.20	0.00	0.00	0.00	279.82
	1.8E-01	-144.17	85.49	0.00	0.00	0.00	265.24
	3.5E-01	-144.17	89.78	0.00	0.00	0.00	249.90
	5.3E-01	-144.17	94.06	0.00	0.00	0.00	233.82
	7.0E-01	-144.17	98.35	0.00	0.00	0.00	216.98
26	SLU2						
	0.00	-168.58	92.87	0.00	0.00	0.00	364.05
	1.8E-01	-168.58	97.15	0.00	0.00	0.00	347.42
	3.5E-01	-168.58	101.44	0.00	0.00	0.00	330.04
	5.3E-01	-168.58	105.73	0.00	0.00	0.00	311.92
	7.0E-01	-168.58	110.02	0.00	0.00	0.00	293.04
26	TA1						
	0.00	-102.98	58.00	0.00	0.00	0.00	199.87
	1.8E-01	-102.98	61.06	0.00	0.00	0.00	189.46
	3.5E-01	-102.98	64.13	0.00	0.00	0.00	178.50
	5.3E-01	-102.98	67.19	0.00	0.00	0.00	167.01
	7.0E-01	-102.98	70.25	0.00	0.00	0.00	154.99
26	TA2						
	0.00	-119.25	65.78	0.00	0.00	0.00	256.02
	1.8E-01	-119.25	68.84	0.00	0.00	0.00	244.24
	3.5E-01	-119.25	71.90	0.00	0.00	0.00	231.93
	5.3E-01	-119.25	74.96	0.00	0.00	0.00	219.08
	7.0E-01	-119.25	78.03	0.00	0.00	0.00	205.69
26	S1						
	0.00	-126.78	73.47	0.00	0.00	0.00	298.62
	1.8E-01	-126.78	76.53	0.00	0.00	0.00	285.50
	3.5E-01	-126.78	79.60	0.00	0.00	0.00	271.84
	5.3E-01	-126.78	82.66	0.00	0.00	0.00	257.64
	7.0E-01	-126.78	85.72	0.00	0.00	0.00	242.90
27	SLU1						
	0.00	-134.72	68.59	0.00	0.00	0.00	216.98
	1.8E-01	-134.72	72.88	0.00	0.00	0.00	204.60
	3.5E-01	-134.72	77.17	0.00	0.00	0.00	191.47
	5.3E-01	-134.72	81.46	0.00	0.00	0.00	177.59
	7.0E-01	-134.72	85.74	0.00	0.00	0.00	162.96
27	SLU2						
	0.00	-158.16	81.22	0.00	0.00	0.00	293.04
	1.8E-01	-158.16	85.51	0.00	0.00	0.00	278.45
	3.5E-01	-158.16	89.80	0.00	0.00	0.00	263.11
	5.3E-01	-158.16	94.09	0.00	0.00	0.00	247.02
	7.0E-01	-158.16	98.37	0.00	0.00	0.00	230.18
27	TA1						
	0.00	-96.23	49.00	0.00	0.00	0.00	154.99
	1.8E-01	-96.23	52.06	0.00	0.00	0.00	146.14
	3.5E-01	-96.23	55.12	0.00	0.00	0.00	136.77
	5.3E-01	-96.23	58.18	0.00	0.00	0.00	126.85
	7.0E-01	-96.23	61.25	0.00	0.00	0.00	116.40
27	TA2						
	0.00	-111.85	57.42	0.00	0.00	0.00	205.69
	1.8E-01	-111.85	60.48	0.00	0.00	0.00	195.38
	3.5E-01	-111.85	63.54	0.00	0.00	0.00	184.53
	5.3E-01	-111.85	66.60	0.00	0.00	0.00	173.14
	7.0E-01	-111.85	69.67	0.00	0.00	0.00	161.21
27	S1						
	0.00	-118.30	66.07	0.00	0.00	0.00	242.90
	1.8E-01	-118.30	69.13	0.00	0.00	0.00	231.08

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	3.5E-01	-118.30	72.19	0.00	0.00	0.00	218.71
	5.3E-01	-118.30	75.25	0.00	0.00	0.00	205.81
	7.0E-01	-118.30	78.32	0.00	0.00	0.00	192.37
28	SLU1						
	0.00	-125.31	54.84	0.00	0.00	0.00	162.96
	1.7E-01	-125.31	59.13	0.00	0.00	0.00	152.99
	3.5E-01	-125.31	63.42	0.00	0.00	0.00	142.27
	5.2E-01	-125.31	67.71	0.00	0.00	0.00	130.79
	7.0E-01	-125.31	71.99	0.00	0.00	0.00	118.57
28	SLU2						
	0.00	-147.77	67.36	0.00	0.00	0.00	230.18
	1.7E-01	-147.77	71.65	0.00	0.00	0.00	218.02
	3.5E-01	-147.77	75.93	0.00	0.00	0.00	205.10
	5.2E-01	-147.77	80.22	0.00	0.00	0.00	191.44
	7.0E-01	-147.77	84.51	0.00	0.00	0.00	177.03
28	TA1						
	0.00	-89.51	39.17	0.00	0.00	0.00	116.40
	1.7E-01	-89.51	42.24	0.00	0.00	0.00	109.28
	3.5E-01	-89.51	45.30	0.00	0.00	0.00	101.62
	5.2E-01	-89.51	48.36	0.00	0.00	0.00	93.42
	7.0E-01	-89.51	51.42	0.00	0.00	0.00	84.69
28	TA2						
	0.00	-104.48	47.52	0.00	0.00	0.00	161.21
	1.7E-01	-104.48	50.58	0.00	0.00	0.00	152.63
	3.5E-01	-104.48	53.64	0.00	0.00	0.00	143.51
	5.2E-01	-104.48	56.70	0.00	0.00	0.00	133.86
	7.0E-01	-104.48	59.77	0.00	0.00	0.00	123.66
28	S1						
	0.00	-109.86	56.50	0.00	0.00	0.00	192.37
	1.7E-01	-109.86	59.56	0.00	0.00	0.00	182.22
	3.5E-01	-109.86	62.63	0.00	0.00	0.00	171.52
	5.2E-01	-109.86	65.69	0.00	0.00	0.00	160.30
	7.0E-01	-109.86	68.75	0.00	0.00	0.00	148.53
29	SLU1						
	0.00	-115.93	40.64	0.00	0.00	0.00	118.57
	1.7E-01	-115.93	44.93	0.00	0.00	0.00	111.08
	3.5E-01	-115.93	49.22	0.00	0.00	0.00	102.84
	5.2E-01	-115.93	53.51	0.00	0.00	0.00	93.86
	7.0E-01	-115.93	57.79	0.00	0.00	0.00	84.12
29	SLU2						
	0.00	-137.42	52.25	0.00	0.00	0.00	177.03
	1.7E-01	-137.42	56.54	0.00	0.00	0.00	167.51
	3.5E-01	-137.42	60.83	0.00	0.00	0.00	157.24
	5.2E-01	-137.42	65.11	0.00	0.00	0.00	146.22
	7.0E-01	-137.42	69.40	0.00	0.00	0.00	134.45
29	TA1						
	0.00	-82.80	29.03	0.00	0.00	0.00	84.69
	1.7E-01	-82.80	32.09	0.00	0.00	0.00	79.34
	3.5E-01	-82.80	35.16	0.00	0.00	0.00	73.46
	5.2E-01	-82.80	38.22	0.00	0.00	0.00	67.04
	7.0E-01	-82.80	41.28	0.00	0.00	0.00	60.08
29	TA2						
	0.00	-97.13	36.77	0.00	0.00	0.00	123.66
	1.7E-01	-97.13	39.83	0.00	0.00	0.00	116.96
	3.5E-01	-97.13	42.89	0.00	0.00	0.00	109.72
	5.2E-01	-97.13	45.96	0.00	0.00	0.00	101.95
	7.0E-01	-97.13	49.02	0.00	0.00	0.00	93.64
29	S1						

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	0.00	-101.43	45.60	0.00	0.00	0.00	148.53
	1.7E-01	-101.43	48.66	0.00	0.00	0.00	140.28
	3.5E-01	-101.43	51.72	0.00	0.00	0.00	131.50
	5.2E-01	-101.43	54.78	0.00	0.00	0.00	122.18
	7.0E-01	-101.43	57.85	0.00	0.00	0.00	112.33
30	SLU1						
	0.00	-106.57	26.50	0.00	0.00	0.00	84.12
	1.7E-01	-106.57	30.79	0.00	0.00	0.00	79.11
	3.5E-01	-106.57	35.08	0.00	0.00	0.00	73.34
	5.2E-01	-106.57	39.36	0.00	0.00	0.00	66.83
	7.0E-01	-106.57	43.65	0.00	0.00	0.00	59.57
30	SLU2						
	0.00	-127.11	36.66	0.00	0.00	0.00	134.45
	1.7E-01	-127.11	40.94	0.00	0.00	0.00	127.66
	3.5E-01	-127.11	45.23	0.00	0.00	0.00	120.12
	5.2E-01	-127.11	49.52	0.00	0.00	0.00	111.83
	7.0E-01	-127.11	53.81	0.00	0.00	0.00	102.79
30	TA1						
	0.00	-76.12	18.93	0.00	0.00	0.00	60.08
	1.7E-01	-76.12	21.99	0.00	0.00	0.00	56.50
	3.5E-01	-76.12	25.05	0.00	0.00	0.00	52.39
	5.2E-01	-76.12	28.12	0.00	0.00	0.00	47.73
	7.0E-01	-76.12	31.18	0.00	0.00	0.00	42.55
30	TA2						
	0.00	-89.81	25.70	0.00	0.00	0.00	93.64
	1.7E-01	-89.81	28.76	0.00	0.00	0.00	88.87
	3.5E-01	-89.81	31.82	0.00	0.00	0.00	83.57
	5.2E-01	-89.81	34.89	0.00	0.00	0.00	77.73
	7.0E-01	-89.81	37.95	0.00	0.00	0.00	71.36
30	S1						
	0.00	-93.04	33.99	0.00	0.00	0.00	112.33
	1.7E-01	-93.04	37.05	0.00	0.00	0.00	106.11
	3.5E-01	-93.04	40.11	0.00	0.00	0.00	99.36
	5.2E-01	-93.04	43.18	0.00	0.00	0.00	92.07
	7.0E-01	-93.04	46.24	0.00	0.00	0.00	84.25
31	SLU1						
	0.00	-97.25	12.78	0.00	0.00	0.00	59.57
	1.8E-01	-97.25	17.06	0.00	0.00	0.00	56.95
	3.5E-01	-97.25	21.35	0.00	0.00	0.00	53.59
	5.3E-01	-97.25	25.64	0.00	0.00	0.00	49.48
	7.0E-01	-97.25	29.93	0.00	0.00	0.00	44.62
31	SLU2						
	0.00	-116.82	21.15	0.00	0.00	0.00	102.79
	1.8E-01	-116.82	25.44	0.00	0.00	0.00	98.71
	3.5E-01	-116.82	29.73	0.00	0.00	0.00	93.88
	5.3E-01	-116.82	34.01	0.00	0.00	0.00	88.31
	7.0E-01	-116.82	38.30	0.00	0.00	0.00	81.98
31	TA1						
	0.00	-69.46	9.13	0.00	0.00	0.00	42.55
	1.8E-01	-69.46	12.19	0.00	0.00	0.00	40.68
	3.5E-01	-69.46	15.25	0.00	0.00	0.00	38.28
	5.3E-01	-69.46	18.31	0.00	0.00	0.00	35.34
	7.0E-01	-69.46	21.38	0.00	0.00	0.00	31.87
31	TA2						
	0.00	-82.51	14.71	0.00	0.00	0.00	71.36
	1.8E-01	-82.51	17.77	0.00	0.00	0.00	68.52
	3.5E-01	-82.51	20.83	0.00	0.00	0.00	65.14
	5.3E-01	-82.51	23.90	0.00	0.00	0.00	61.23

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31	S1	7.0E-01	-82.51	26.96	0.00	0.00	0.00	56.78
		0.00	-84.66	22.16	0.00	0.00	0.00	84.25
		1.8E-01	-84.66	25.22	0.00	0.00	0.00	80.10
		3.5E-01	-84.66	28.28	0.00	0.00	0.00	75.42
		5.3E-01	-84.66	31.34	0.00	0.00	0.00	70.20
		7.0E-01	-84.66	34.41	0.00	0.00	0.00	64.45
32	SLU1	0.00	-87.94	-2.727E-01	0.00	0.00	0.00	44.62
		1.8E-01	-87.94	4.01	0.00	0.00	0.00	44.29
		3.5E-01	-87.94	8.30	0.00	0.00	0.00	43.21
		5.3E-01	-87.94	12.59	0.00	0.00	0.00	41.39
		7.0E-01	-87.94	16.88	0.00	0.00	0.00	38.81
32	SLU2	0.00	-106.57	6.18	0.00	0.00	0.00	81.98
		1.8E-01	-106.57	10.46	0.00	0.00	0.00	80.52
		3.5E-01	-106.57	14.75	0.00	0.00	0.00	78.32
		5.3E-01	-106.57	19.04	0.00	0.00	0.00	75.36
		7.0E-01	-106.57	23.33	0.00	0.00	0.00	71.65
32	TA1	0.00	-62.82	-1.948E-01	0.00	0.00	0.00	31.87
		1.8E-01	-62.82	2.87	0.00	0.00	0.00	31.64
		3.5E-01	-62.82	5.93	0.00	0.00	0.00	30.87
		5.3E-01	-62.82	8.99	0.00	0.00	0.00	29.56
		7.0E-01	-62.82	12.06	0.00	0.00	0.00	27.72
32	TA2	0.00	-75.23	4.10	0.00	0.00	0.00	56.78
		1.8E-01	-75.23	7.17	0.00	0.00	0.00	55.79
		3.5E-01	-75.23	10.23	0.00	0.00	0.00	54.27
		5.3E-01	-75.23	13.29	0.00	0.00	0.00	52.21
		7.0E-01	-75.23	16.35	0.00	0.00	0.00	49.62
32	S1	0.00	-76.31	10.46	0.00	0.00	0.00	64.45
		1.8E-01	-76.31	13.52	0.00	0.00	0.00	62.35
		3.5E-01	-76.31	16.58	0.00	0.00	0.00	59.72
		5.3E-01	-76.31	19.65	0.00	0.00	0.00	56.55
		7.0E-01	-76.31	22.71	0.00	0.00	0.00	52.84
33	SLU1	0.00	-78.66	-12.46	0.00	0.00	0.00	38.81
		1.7E-01	-78.66	-8.17	0.00	0.00	0.00	40.61
		3.5E-01	-78.66	-3.88	0.00	0.00	0.00	41.67
		5.2E-01	-78.66	4.055E-01	0.00	0.00	0.00	41.97
		7.0E-01	-78.66	4.69	0.00	0.00	0.00	41.52
33	SLU2	0.00	-96.34	-7.92	0.00	0.00	0.00	71.65
		1.7E-01	-96.34	-3.63	0.00	0.00	0.00	72.66
		3.5E-01	-96.34	6.536E-01	0.00	0.00	0.00	72.92
		5.2E-01	-96.34	4.94	0.00	0.00	0.00	72.44
		7.0E-01	-96.34	9.23	0.00	0.00	0.00	71.20
33	TA1	0.00	-56.19	-8.90	0.00	0.00	0.00	27.72
		1.7E-01	-56.19	-5.84	0.00	0.00	0.00	29.01
		3.5E-01	-56.19	-2.77	0.00	0.00	0.00	29.76
		5.2E-01	-56.19	2.896E-01	0.00	0.00	0.00	29.98
		7.0E-01	-56.19	3.35	0.00	0.00	0.00	29.66
33	TA2	0.00	-67.97	-5.87	0.00	0.00	0.00	49.62
		1.7E-01	-67.97	-2.81	0.00	0.00	0.00	50.38

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	3.5E-01	-67.97	2.509E-01	0.00	0.00	0.00	50.60
	5.2E-01	-67.97	3.31	0.00	0.00	0.00	50.29
	7.0E-01	-67.97	6.38	0.00	0.00	0.00	49.44
33	S1						
	0.00	-67.98	-8.265E-01	0.00	0.00	0.00	52.84
	1.7E-01	-67.98	2.24	0.00	0.00	0.00	52.72
	3.5E-01	-67.98	5.30	0.00	0.00	0.00	52.06
	5.2E-01	-67.98	8.36	0.00	0.00	0.00	50.86
	7.0E-01	-67.98	11.42	0.00	0.00	0.00	49.13
34	SLU1						
	0.00	-69.40	-23.61	0.00	0.00	0.00	41.52
	1.8E-01	-69.40	-19.32	0.00	0.00	0.00	45.28
	3.5E-01	-69.40	-15.03	0.00	0.00	0.00	48.29
	5.3E-01	-69.40	-10.75	0.00	0.00	0.00	50.54
	7.0E-01	-69.40	-6.46	0.00	0.00	0.00	52.05
34	SLU2						
	0.00	-86.14	-20.83	0.00	0.00	0.00	71.20
	1.8E-01	-86.14	-16.55	0.00	0.00	0.00	74.47
	3.5E-01	-86.14	-12.26	0.00	0.00	0.00	76.99
	5.3E-01	-86.14	-7.97	0.00	0.00	0.00	78.76
	7.0E-01	-86.14	-3.68	0.00	0.00	0.00	79.78
34	TA1						
	0.00	-49.57	-16.86	0.00	0.00	0.00	29.66
	1.8E-01	-49.57	-13.80	0.00	0.00	0.00	32.34
	3.5E-01	-49.57	-10.74	0.00	0.00	0.00	34.49
	5.3E-01	-49.57	-7.68	0.00	0.00	0.00	36.10
	7.0E-01	-49.57	-4.61	0.00	0.00	0.00	37.18
34	TA2						
	0.00	-60.73	-15.01	0.00	0.00	0.00	49.44
	1.8E-01	-60.73	-11.95	0.00	0.00	0.00	51.80
	3.5E-01	-60.73	-8.89	0.00	0.00	0.00	53.62
	5.3E-01	-60.73	-5.83	0.00	0.00	0.00	54.91
	7.0E-01	-60.73	-2.76	0.00	0.00	0.00	55.66
34	S1						
	0.00	-59.66	-11.48	0.00	0.00	0.00	49.13
	1.8E-01	-59.66	-8.41	0.00	0.00	0.00	50.87
	3.5E-01	-59.66	-5.35	0.00	0.00	0.00	52.08
	5.3E-01	-59.66	-2.29	0.00	0.00	0.00	52.74
	7.0E-01	-59.66	7.744E-01	0.00	0.00	0.00	52.88