

```
/Library/Java/JavaVirtualMachines/zulu-15.jdk/Contents/Home/bin/java
-javaagent:/Applications/IntelliJ IDEA.app/Contents/lib/
idea_rt.jar=53854:/Applications/IntelliJ IDEA.app/Contents/bin
-Dfile.encoding=UTF-8 -classpath /Users/lianmeng/Documents/HW/
hw_conf/busTopoRouter/target/classes:/Users/lianmeng/.m2/repository/
com/itextpdf/barcodes/7.2.4/barcodes-7.2.4.jar:/Users/lianmeng/.m2/
repository/com/itextpdf/font-asian/7.2.4/font-asian-7.2.4.jar:/
Users/lianmeng/.m2/repository/com/itextpdf/forms/7.2.4/
forms-7.2.4.jar:/Users/lianmeng/.m2/repository/com/itextpdf/hyph/
7.2.4/hyph-7.2.4.jar:/Users/lianmeng/.m2/repository/com/itextpdf/io/
7.2.4/io-7.2.4.jar:/Users/lianmeng/.m2/repository/com/itextpdf/
commons/7.2.4/commons-7.2.4.jar:/Users/lianmeng/.m2/repository/com/
itextpdf/kernel/7.2.4/kernel-7.2.4.jar:/Users/lianmeng/.m2/
repository/org/bouncycastle/bcpkix-jdk15on/1.70/bcpkix-
jdk15on-1.70.jar:/Users/lianmeng/.m2/repository/org/bouncycastle/
bcutil-jdk15on/1.70/bcutil-jdk15on-1.70.jar:/Users/lianmeng/.m2/
repository/org/bouncycastle/bcprov-jdk15on/1.70/bcprov-
jdk15on-1.70.jar:/Users/lianmeng/.m2/repository/com/itextpdf/layout/
7.2.4/layout-7.2.4.jar:/Users/lianmeng/.m2/repository/com/itextpdf/
pdfa/7.2.4/pdfa-7.2.4.jar:/Users/lianmeng/.m2/repository/com/
itextpdf/sign/7.2.4/sign-7.2.4.jar:/Users/lianmeng/.m2/repository/
com/itextpdf/styled-xml-parser/7.2.4/styled-xml-parser-7.2.4.jar:/
Users/lianmeng/.m2/repository/com/itextpdf/svg/7.2.4/svg-7.2.4.jar:/
Users/lianmeng/.m2/repository/org/slf4j/slf4j-api/2.0.3/slf4j-
api-2.0.3.jar:/Users/lianmeng/.m2/repository/org/slf4j/slf4j-simple/
2.0.3/slf4j-simple-2.0.3.jar:/Users/lianmeng/IdeaProjects/libs/
gurobi.jar:/Users/lianmeng/IdeaProjects/libs/commons-lang3-3.12.0/
commons-lang3-3.12.0.jar:/Users/lianmeng/IdeaProjects/libs/commons-
lang3-3.12.0/commons-lang3-3.12.0-tests.jar:/Users/lianmeng/
IdeaProjects/libs/commons-lang3-3.12.0/commons-lang3-3.12.0-
javadoc.jar:/Users/lianmeng/IdeaProjects/libs/commons-lang3-3.12.0/
commons-lang3-3.12.0-sources.jar:/Users/lianmeng/IdeaProjects/libs/
commons-lang3-3.12.0/commons-lang3-3.12.0-test-sources.jar test
Program Starts at: 2023/06/04 18:07:16.793
```

```
o1 -451 461 1455 1992
```

```
0_tL: :o1; o2; ||0_tR: :o1; o2; ||0_bL: :o1; o2; ||0_bR: :o1; o2; ||
0_L: :o1; ||0_R: :o1; ||0_T: :o1; ||0_B: :o1; ||
```

```
o2 -39 461 1400 2352
```

```
0_tL: :o2; o1; ||0_tR: :o2; o1; ||0_bL: :o2; o1; ||0_bR: :o2; o1; ||
0_L: :o2; ||0_R: :o2; ||0_T: :o2; ||0_B: :o2; ||
```

```
detourType=b_t
```

```
o1.ll||o1.ul||o2.ul||360 589
```

```
detourType=ll_ur
```

```
o1.ll||o1.ul||o2.ul||o2.ur||360 1089
```

```
detourType=l_r
```

```
o1.ll||o2.ll||o2.lr||55 857
```

```
detourType=t_b
```

```
o1.ul||o1.ll||o2.ll||55 894
```

```
detourType=l_r
```

```
o1.ul||o2.ul||o2.ur||360 552
```

```
detourType=ul_lr
```

```
o1.ul||o1.ll||o2.ll||o2.lr||55 1394
```

```
detourType=ur_ll
```

```
o1.ur||o1.lr||o2.lr||o2.ll||0 1092
```

detourType=r\_l  
o1.ur||o2.ur||o2.ul||0 860  
detourType=l\_r  
o1.ur||o2.ul||o2.ur||360 640  
detourType=l\_r  
o1.ur||o2.ll||o2.lr||500 592  
detourType=r\_l  
o1.lr||o2.lr||o2.ll||0 555  
detourType=lr\_ul  
o1.lr||o1.ur||o2.ur||o2.ul||0 1397  
detourType=l\_r  
o1.lr||o2.ul||o2.ur||500 897  
detourType=l\_r  
o1.lr||o2.ll||o2.lr||55 945  
detourType=b\_t  
o2.ll||o1.ll||o1.ul||55 894  
detourType=ll\_ur  
o2.ll||o2.lr||o1.lr||o1.ur||0 1092  
detourType=l\_r  
o2.ll||o2.lr||o1.lr||0 555  
detourType=t\_b  
o2.ul||o1.ul||o1.ll||360 589  
detourType=l\_r  
o2.ul||o2.ur||o1.ur||0 860  
detourType=ul\_lr  
o2.ul||o2.ur||o1.ur||o1.lr||0 1397  
detourType=ur\_ll  
o2.ur||o2.ul||o1.ul||o1.ll||360 1089  
detourType=r\_l  
o2.ur||o2.ul||o1.ul||360 552  
detourType=r\_l  
o2.ur||o2.ul||o1.ur||360 640  
detourType=r\_l  
o2.ur||o2.ul||o1.lr||500 897  
detourType=r\_l  
o2.lr||o2.ll||o1.ll||55 857  
detourType=lr\_ul  
o2.lr||o2.ll||o1.ur||o1.ul||500 1504  
detourType=r\_l  
o2.lr||o2.ll||o1.ur||500 592  
detourType=r\_l  
o2.lr||o2.ll||o1.lr||55 945  
HALLO  
82 1252  
422 945  
515 1161  
111 1400  
563 914  
362 1109  
201 1127  
121 992  
20 754  
20 1192  
311 619

```

393 745
69 776
308 1072
137 785
422 893
515 1109
523 936
925 550
27 1448
774 645
33 1241
613 663
176 937
175 665
175 937
101 1384
52 791
343 1057
R704.2(976, 1228)
o1_dir:[0, 0, 1, 0, 1, 0, 1, 0]|| _rel:[0, 0, 0, 1, 0, 0, 0, 0]||
o2_dir:[0, 0, 1, 0, 1, 0, 1, 0]|| _rel:[0, 0, 0, 1, 0, 0, 0, 0]||
U5701.E2(-562, 1393)
o1_dir:[0, 0, 0, 1, 0, 1, 1, 0]|| _rel:[0, 0, 1, 0, 0, 0, 0, 0]||
o2_dir:[0, 0, 0, 1, 0, 1, 1, 0]|| _rel:[0, 0, 1, 0, 0, 0, 0, 0]||
U1702.A4(-1014, 1427)
o1_dir:[0, 0, 0, 1, 0, 1, 1, 0]|| _rel:[0, 0, 1, 0, 0, 0, 0, 0]||
o2_dir:[1, 0, 0, 1, 0, 1, 1, 1]|| _rel:[0, 0, 0, 0, 1, 0, 0, 0]||
U1701.B2(-813, 1433)
o1_dir:[0, 0, 0, 1, 0, 1, 1, 0]|| _rel:[0, 0, 1, 0, 0, 0, 0, 0]||
o2_dir:[0, 0, 0, 1, 0, 1, 1, 1]|| _rel:[0, 0, 0, 0, 1, 0, 0, 0]||
U2501.A4(-652, 1576)
o1_dir:[0, 0, 0, 1, 0, 1, 1, 1]|| _rel:[0, 0, 0, 0, 1, 0, 0, 0]||
o2_dir:[0, 0, 0, 1, 0, 1, 1, 1]|| _rel:[0, 0, 0, 0, 1, 0, 0, 0]||
U1901.C3(-214, 2012)
o1_dir:[0, 0, 0, 0, 1, 1, 0, 1]|| _rel:[0, 0, 0, 0, 0, 0, 1, 0]||
o2_dir:[0, 0, 0, 0, 0, 1, 1, 1]|| _rel:[0, 0, 0, 0, 1, 0, 0, 0]||
R2912.2(-140, 2385)
o1_dir:[1, 0, 0, 0, 1, 1, 0, 1]|| _rel:[0, 0, 0, 0, 0, 0, 1, 0]||
o2_dir:[1, 0, 0, 0, 0, 1, 0, 1]|| _rel:[1, 0, 0, 0, 0, 0, 0, 0]||
U2500.A4(-382, 2300)
o1_dir:[1, 0, 0, 0, 1, 1, 0, 1]|| _rel:[0, 0, 0, 0, 0, 0, 1, 0]||
o2_dir:[1, 0, 0, 0, 0, 1, 1, 1]|| _rel:[0, 0, 0, 0, 1, 0, 0, 0]||
Master
o1_dir:[0, 0, 1, 0, 1, 0, 1, 1]|| _rel:[0, 0, 0, 0, 0, 1, 0, 0]||
o2_dir:[0, 0, 1, 0, 1, 0, 1, 1]|| _rel:[0, 0, 0, 0, 0, 1, 0, 0]||
Set parameter Username
Academic license - for non-commercial use only - expires 2024-01-15
Set parameter LogFile to value "LinearBusRouting_K0.log"
Set parameter MIPGap to value 0
Set parameter MIPGapAbs to value 0
Set parameter TimeLimit to value 7200
#Variables = 16417
#Constraints = 23236
Gurobi Optimizer version 10.0.0 build v10.0.0rc2 (mac64[arm])

```



H 4s	34	36				15101.212906	1.000000	100%	1383
5s	58	67	462.000000	8	575	15101.2129	1.000000	100%	972
H 5s	80	77				14980.994652	1.000000	100%	781
H 5s	82	77				14350.265504	1.000000	100%	762
H 5s	118	115				14219.204538	1.000000	100%	616
H 5s	121	115				14007.614567	1.000000	100%	601
H 5s	122	115				13850.265504	1.000000	100%	599
H 5s	171	161				13327.618393	1.000000	100%	457
H 5s	175	161				12550.708796	1.000000	100%	447
H 5s	178	161				12328.276113	1.000000	100%	441
H 6s	229	202				10820.047758	1.000000	100%	386
H 6s	231	202				10264.330804	1.000000	100%	386
H 6s	303	294				10075.330804	1.000000	100%	319
H 6s	410	433				9226.7652199	1.000000	100%	264
H 7s	548	509				9121.7357826	1.000000	100%	214
H 7s	651	652				8050.5406897	1.000000	100%	194
H 7s	669	652				7503.4645712	1.000000	100%	190
H 7s	748	714				7412.3375875	1.000000	100%	176
H 7s	778	714				7396.8401128	1.000000	100%	172
H 7s	794	714				7231.3375875	1.000000	100%	170
H 7s	806	714				7118.2808050	1.000000	100%	168
H 7s	875	791				6861.3102423	1.000000	100%	160
H 8s	932	879				6805.3102423	1.000000	100%	154
H 8s	946	879				6777.1437201	1.000000	100%	153
H 8s	1012	879				6729.6807333	1.000000	100%	147
H 8s	1106	965				6713.3548314	1.000000	100%	147
H 9s	1211	1017				6695.8401128	1.000000	100%	153

H 1213 9s	1017					6645.3548314	1.00000	100%	153
H 1323 9s	1135					6643.9406179	1.00000	100%	157
H 1429 9s	1213					6626.1416280	1.00000	100%	155
1472 10s	1214	980.16147	65	486	6626.14163	1.00000	100%	153	
H 1712 13s	1302					6561.5764030	1.00000	100%	16.6
H 1728 13s	1256					6031.7235893	1.00000	100%	17.1
H 1736 13s	1198					5978.7235893	1.00000	100%	17.2
H 1775 13s	1172					5977.1378029	1.00000	100%	18.0
2303 15s	1426	1808.65007	51	477	5977.13780	1.00000	100%	28.2	
H 2507 15s	1505					5827.1924933	1.00000	100%	33.0
H 2565 15s	1438					5424.5936470	1.00000	100%	34.2
H 3006 16s	1556					5422.2505012	1.00000	100%	40.3
H 3350 17s	1667					5215.5579336	1.00000	100%	42.3
H 3352 17s	1625					5209.7589437	1.00000	100%	42.4
H 3355 17s	1570					4978.2231560	1.00000	100%	42.5
H 3769 18s	1688					4846.7012947	1.00000	100%	44.8
H 4112 19s	2050					4762.6159416	1.00000	100%	50.2
H 4244 19s	2061					4754.6159416	1.00000	100%	52.2
H 4559 20s	2351					4620.3102423	1.00000	100%	54.8
H 5494 21s	3160					4608.9549032	1.00000	100%	53.7
H 6123 22s	3451					4603.0310217	1.00000	100%	58.6
H 6201 22s	3434					4537.4889578	1.00000	100%	58.5
H 7625 24s	4278					4519.2635611	1.00000	100%	61.4
7705 25s	4519	1750.33723	37	240	4519.26356	1.00000	100%	62.2	
H 8137 25s	4595					4460.0310217	1.00000	100%	64.4
10997 30s	6852	3789.70721	62	219	4460.03102	85.52758	98.1%	68.2	
17191 35s	10358	2699.58824	52	252	4460.03102	133.93607	97.0%	66.2	

H22064 39s	12223					4433.4523779	151.06116	96.6%	66.4
H22103 39s	10227					3824.6382361	151.06116	96.1%	66.6
22104 40s	10163	3421.49081	54	404	3824.63824	151.06116	96.1%	66.6	
H23185 41s	11128					3811.7782797	152.73506	96.0%	68.9
H25167 43s	11730					3774.3253942	152.73506	96.0%	68.9
H25186 44s	11719					3765.0411229	152.73506	95.9%	69.0
H25204 44s	11223					3667.5600257	152.73506	95.8%	69.0
25207 45s	11672	167.96551	38	900	3667.56003	152.73506	95.8%	69.0	
H26568 47s	11683					3582.6209922	153.73506	95.7%	68.2
H26587 48s	11731					3577.5255378	153.73506	95.7%	68.3
26741 50s	12423	822.21739	39	713	3577.52554	153.73506	95.7%	68.3	
29484 64s	13278	2736.23203	78	486	3577.52554	154.73506	95.7%	68.0	
29488 65s	13281	2264.49253	29	1733	3577.52554	154.73506	95.7%	68.0	
29498 70s	13287	2363.97720	48	3477	3577.52554	154.73506	95.7%	68.0	
29502 75s	13290	3299.80476	51	3489	3577.52554	154.73506	95.7%	68.0	
30140 80s	13547	3323.42215	50	356	3577.52554	154.73506	95.7%	72.1	
31281 85s	13852	624.37589	39	2388	3577.52554	280.95509	92.1%	76.9	
32223 90s	14094	3141.78011	45	1076	3577.52554	422.00000	88.2%	80.4	
34037 96s	14512	2637.41840	48	1254	3577.52554	645.44069	82.0%	86.7	
35647 101s	14874	1897.00000	41	1255	3577.52554	809.62545	77.4%	91.3	
37258 106s	15279	3240.76399	59	877	3577.52554	927.67673	74.1%	95.3	
38679 110s	15888	3353.26313	54	952	3577.52554	1063.44069	70.3%	99.5	
39864 115s	16011	3302.73804	55	1467	3577.52554	1128.90665	68.4%	101	
40834 120s	16325	cutoff	47		3577.52554	1206.27349	66.3%	103	
42641 125s	16320	cutoff	54		3577.52554	1325.94069	62.9%	106	
45265 131s	16671	2695.41614	37	1519	3577.52554	1439.51400	59.8%	108	
46635 135s	16892	1876.90002	40	1611	3577.52554	1493.06384	58.3%	110	

48380 17194 3030.88113 141s	40 935 3577.52554 1559.78021 56.4%	112
50268 17835 infeasible 146s	44 3577.52554 1592.54305 55.5%	114
52536 17947 2803.27749 151s	59 798 3577.52554 1645.82477 54.0%	115
54373 18129 3065.06551 156s	48 606 3577.52554 1695.46875 52.6%	117
55990 17893 2125.74904 161s	42 1553 3577.52554 1732.22096 51.6%	119
57524 18325 2821.18778 166s	62 964 3577.52554 1825.41093 49.0%	121
59302 18052 3413.05207 170s	46 1817 3577.52554 1843.91944 48.5%	124
59362 21817 3406.17907 186s	41 574 3577.52554 1856.38738 48.1%	124
67427 19627 1915.78710 191s	51 1222 3577.52554 1897.00000 47.0%	130
69567 19495 2438.72638 196s	51 1366 3577.52554 1897.00000 47.0%	131
70969 20611 3372.09549 201s	52 872 3577.52554 1897.00000 47.0%	133
73783 21134 2809.37293 208s	52 485 3577.52554 1897.00000 47.0%	135
73890 24339 3298.50119 224s	48 1138 3577.52554 1897.00000 47.0%	135
81898 24363 2806.87860 226s	50 406 3577.52554 1897.00000 47.0%	141
82686 25232 3550.40196 232s	71 849 3577.52554 1897.00000 47.0%	142
84068 25247 2417.93939 235s	56 1260 3577.52554 1897.00000 47.0%	143
85639 26479 cutoff 241s	60 3577.52554 1897.00000 47.0%	144
87968 27229 3465.15239 247s	53 1247 3577.52554 1897.00000 47.0%	145
89255 30374 3260.62268 266s	53 1400 3577.52554 1897.00000 47.0%	146
97314 31035 1897.00000 272s	31 612 3577.52554 1897.00000 47.0%	151
98575 31527 3404.59437 275s	63 1074 3577.52554 1897.00000 47.0%	152
H99110 31527 275s	3577.5255373 1897.00000 47.0%	152
99741 31988 2521.34607 281s	45 1121 3577.52554 1897.00000 47.0%	153
102225 33287 cutoff 154 287s	53 3577.52554 1897.00000 47.0%	
103612 33306 infeasible 155 290s	54 3577.52554 1897.00000 47.0%	
103673 36522 3370.76900 155 306s	41 2504 3577.52554 1897.00000 47.0%	
111745 36962 1897.00000 157 312s	35 2466 3577.52554 1897.00000 47.0%	



112944 36986 2662.02491	47 1004 3577.52554 1897.00000 47.0%
157 315s	
114425 37898 3541.46225	49 661 3577.52554 1897.00000 47.0%
158 321s	
116925 38809 2456.33423	50 2413 3577.52554 1897.00000 47.0%
159 326s	
118153 39368 cutoff	53 3577.52554 1897.00000 47.0%
160 332s	
119490 39943 2964.08162	41 2061 3577.52554 1897.00000 47.0%
161 335s	
120981 40502 1897.41421	43 1141 3577.52554 1897.00000 47.0%
162 342s	
123768 41481 1898.84232	47 1079 3577.52554 1897.00000 47.0%
162 347s	
125150 41498 2607.28948	51 852 3577.52554 1897.00000 47.0%
163 350s	
126419 42271 infeasible	57 3577.52554 1897.00000 47.0%
164 356s	
128592 42659 3250.87568	49 1447 3577.52554 1897.00000 47.0%
165 362s	
128648 43113 3510.39144	51 1093 3577.52554 1897.00000 47.0%
165 365s	
132564 44033 cutoff	50 3577.52554 1897.00000 47.0%
165 372s	
132637 44475 3348.79806	42 1700 3577.52554 1897.00000 47.0%
165 375s	
134779 45049 3214.29559	47 2488 3577.52554 1897.00000 47.0%
165 380s	
136482 45375 cutoff	54 3577.52554 1897.00000 47.0%
166 386s	
137772 46374 3060.75467	57 2360 3577.52554 1897.00000 47.0%
167 391s	
140000 46671 cutoff	56 3577.52554 1897.00000 47.0%
167 396s	
141032 47266 2377.06668	45 1692 3577.52554 1897.00000 47.0%
168 400s	
142113 47732 2101.62475	49 2287 3577.52554 1897.00000 47.0%
168 405s	
144417 48196 1898.00000	51 1216 3577.52554 1897.00000 47.0%
168 410s	
146718 49472 1917.27125	52 2109 3577.52554 1897.00000 47.0%
168 416s	
147789 50045 2538.84642	51 1572 3577.52554 1897.41421 47.0%
168 421s	
149124 50415 2340.48087	45 824 3577.52554 1897.41421 47.0%
169 425s	
152483 52332 2193.68148	56 1023 3577.52554 1897.41421 47.0%
169 432s	
154445 52365 1929.19841	46 3208 3577.52554 1897.41421 47.0%
169 435s	
156003 53643 1897.41421	34 1143 3577.52554 1897.41421 47.0%
169 441s	
158777 54825 2212.78175	43 1092 3577.52554 1897.41421 47.0%
170 446s	

161512	55429	2713.45319	51	1790	3577.52554	1897.41421	47.0%
170	451s						
162510	56694	infeasible	60		3577.52554	1897.41421	47.0%
170	457s						
164292	57192	2449.95959	41	606	3577.52554	1897.41421	47.0%
171	460s						
165726	57616	1897.41421	47	543	3577.52554	1897.41421	47.0%
171	465s						
168236	58686	infeasible	53		3577.52554	1897.41421	47.0%
171	470s						
170297	59070	3430.97424	71	324	3577.52554	1897.41421	47.0%
171	476s						
171473	59908	3144.49721	51	1633	3577.52554	1897.41421	47.0%
171	481s						
173643	61058	3488.47467	80	102	3577.52554	1897.41421	47.0%
172	486s						
175102	61620	cutoff	52		3577.52554	1897.41421	47.0%
172	491s						
177663	62744	2723.72452	51	1324	3577.52554	1897.41421	47.0%
172	497s						
179156	63209	2200.48671	41	1457	3577.52554	1897.41421	47.0%
172	502s						
181580	63732	1997.82547	34	1113	3577.52554	1897.41421	47.0%
172	506s						
183335	64844	3409.29142	45	1963	3577.52554	1897.41421	47.0%
172	512s						
184378	64863	2478.78276	37	997	3577.52554	1897.41421	47.0%
172	515s						
185172	65407	cutoff	48		3577.52554	1897.41421	47.0%
172	520s						
186989	65779	2664.77440	46	1219	3577.52554	1897.41421	47.0%
173	525s						
188770	66773	2235.42345	49	829	3577.52554	1897.41421	47.0%
173	531s						
190704	67566	infeasible	54		3577.52554	1897.41421	47.0%
173	535s						
191715	67887	2964.07821	52	1189	3577.52554	1897.41421	47.0%
174	540s						
194031	68371	cutoff	62		3577.52554	1897.41421	47.0%
174	545s						
196102	69388	cutoff	46		3577.52554	1898.00000	46.9%
174	551s						
198364	69803	2530.89376	52	529	3577.52554	1898.00000	46.9%
174	556s						
199313	70419	3375.06294	49	1737	3577.52554	1898.00000	46.9%
174	561s						
201241	70825	2516.83975	46	1094	3577.52554	1898.00000	46.9%
174	565s						
203259	71968	3359.54094	55	1274	3577.52554	1898.41421	46.9%
174	570s						
204993	72559	3412.32922	48	890	3577.52554	1898.41421	46.9%
174	576s						
207174	73084	3390.15562	52	808	3577.52554	1899.24264	46.9%
174	581s						

208673 73467 2153.13287	51	1551	3577.52554	1900.65685	46.9%
174 586s					
209588 73963 2476.03754	39	1321	3577.52554	1900.77880	46.9%
174 590s					
211165 74221 2192.04216	46	1228	3577.52554	1904.04163	46.8%
175 596s					
212253 75040 1908.18377	41	1176	3577.52554	1905.07716	46.7%
175 600s					
214468 76161 1905.60146	44	878	3577.52554	1905.60146	46.7%
175 607s					
215940 77020 3457.62841	63	1131	3577.52554	1905.60146	46.7%
175 611s					
218176 77961 3479.00018	60	326	3577.52554	1905.60146	46.7%
174 616s					
219403 78396 2280.80024	56	1264	3577.52554	1905.87006	46.7%
174 622s					
221651 79468 3091.90508	48	932	3577.52554	1906.01568	46.7%
174 626s					
223631 80249 3351.45353	50	519	3577.52554	1906.60146	46.7%
174 632s					
224951 80256 3215.57985	52	1591	3577.52554	1908.18377	46.7%
174 635s					
227363 81113 3228.57439	51	489	3577.52554	1908.18377	46.7%
175 641s					
228471 81797 2622.30432	46	1032	3577.52554	1908.18377	46.7%
175 646s					
229352 82020 1908.18377	39	635	3577.52554	1908.18377	46.7%
175 650s					
231393 82424 infeasible	55		3577.52554	1908.59798	46.7%
176 657s					
232415 83152 2315.31493	50	1444	3577.52554	1908.59798	46.7%
176 661s					
234746 83722 2852.53769	59	556	3577.52554	1909.01219	46.6%
176 667s					
236001 84688 2409.17534	50	1362	3577.52554	1909.21930	46.6%
176 671s					
238434 85605 infeasible	73		3577.52554	1909.42641	46.6%
176 676s					
239750 85762 cutoff	49		3577.52554	1910.16517	46.6%
176 680s					
241264 86446 3189.49739	54	912	3577.52554	1911.41312	46.6%
176 686s					
243372 86768 3235.03144	52	1108	3577.52554	1913.81693	46.5%
176 691s					
244590 87336 infeasible	56		3577.52554	1914.81118	46.5%
176 695s					
246400 87914 2588.15050	47	876	3577.52554	1917.27125	46.4%
177 701s					
248347 88536 3329.12441	54	2027	3577.52554	1918.53911	46.4%
177 706s					
250221 88751 cutoff	57		3577.52554	1919.78175	46.3%
177 710s					
251208 89234 3327.84487	66	944	3577.52554	1919.98885	46.3%
177 715s					

252824	89492	2914.28445	56	550	3577.52554	1920.17593	46.3%
177	720s						
255280	90047	infeasible	54		3577.52554	1921.51586	46.3%
177	727s						
256104	90509	3405.86506	53	760	3577.52554	1922.81728	46.3%
177	730s						
258212	91076	1924.00000	48	869	3577.52554	1924.00000	46.2%
178	736s						
259224	91448	1939.60146	50	1007	3577.52554	1924.00000	46.2%
178	740s						
260193	91711	2983.37817	46	781	3577.52554	1924.00000	46.2%
178	745s						
263359	92324	infeasible	60		3577.52554	1925.28427	46.2%
178	751s						
264449	93011	3245.52957	65	1611	3577.52554	1925.28427	46.2%
178	755s						
266473	93631	2377.65247	50	1629	3577.52554	1925.69848	46.2%
178	761s						
268245	93970	3435.96968	55	1086	3577.52554	1926.86430	46.1%
178	765s						
268414	96065	2758.92816	42	2090	3577.52554	1927.65008	46.1%
178	778s						
274540	96075	3451.13431	44	1169	3577.52554	1931.00000	46.0%
179	782s						
274612	96541	2324.84173	49	1418	3577.52554	1931.41421	46.0%
179	786s						
276692	97487	cutoff	54		3577.52554	1931.79394	46.0%
179	791s						
277744	97955	3066.86415	55	1743	3577.52554	1931.79394	46.0%
179	796s						
279763	98694	cutoff	58		3577.52554	1931.79394	46.0%
179	801s						
281803	99103	2237.41922	41	1750	3577.52554	1932.01527	46.0%
179	805s						
282770	99866	3140.26302	57	934	3577.52554	1932.28427	46.0%
179	810s						
284969	100361	2309.94678	46	2201	3577.52554	1934.00167	45.9%
179	815s						
286952	100979	2989.55020	62	2023	3577.52554	1935.72542	45.9%
179	820s						
287825	101179	2427.03713	49	3289	3577.52554	1937.12718	45.9%
180	825s						
290623	101758	cutoff	55		3577.52554	1940.56938	45.8%
180	831s						
291498	102050	2527.99942	51	2274	3577.52554	1942.05594	45.7%
180	835s						
292679	102559	2848.87146	49	894	3577.52554	1942.97771	45.7%
180	841s						
294751	102965	3100.01226	52	1845	3577.52554	1944.61084	45.6%
180	845s						
296970	103728	cutoff	49		3577.52554	1945.61084	45.6%
180	852s						
297990	104466	infeasible	61		3577.52554	1947.50403	45.6%
180	857s						

299431 104612 2968.70203	43	1756	3577.52554	1948.11340	45.5%
180 861s					
300815 105028 3140.63642	54	1077	3577.52554	1949.93030	45.5%
180 865s					
301722 105133 3518.39613	49	2107	3577.52554	1951.06247	45.5%
180 870s					
302854 105391 2858.13437	51	2087	3577.52554	1953.96297	45.4%
181 875s					
304606 106108 infeasible	44		3577.52554	1954.16147	45.4%
181 882s					
305620 106142 3314.35866	49	453	3577.52554	1954.16147	45.4%
182 885s					
306833 106807 1954.16147	37	1112	3577.52554	1954.16147	45.4%
182 890s					
308782 107339 1954.16147	41	1289	3577.52554	1954.16147	45.4%
182 895s					
309656 107713 2680.35764	42	3291	3577.52554	1954.16147	45.4%
183 900s					
311507 108236 2733.44646	46	1265	3577.52554	1954.16147	45.4%
183 905s					
312420 108566 2469.16147	43	867	3577.52554	1954.16147	45.4%
184 910s					
314113 109037 cutoff	47		3577.52554	1954.16147	45.4%
185 916s					
315518 109494 3287.03485	39	521	3577.52554	1954.57569	45.4%
185 922s					
316252 109977 cutoff	47		3577.52554	1954.57569	45.4%
185 925s					
317899 110306 2513.03353	37	1790	3577.52554	1954.57569	45.4%
185 931s					
319941 110851 2676.17366	53	582	3577.52554	1954.97641	45.4%
186 937s					
321421 111148 3429.55666	46	2013	3577.52554	1954.98990	45.4%
186 942s					
323856 111593 2645.28340	35	769	3577.52554	1956.91169	45.3%
186 947s					
323955 111939 2244.91221	48	890	3577.52554	1956.91169	45.3%
186 950s					
326348 112974 infeasible	80		3577.52554	1958.71782	45.2%
187 957s					
327639 113015 2061.85700	46	517	3577.52554	1958.71782	45.2%
187 960s					
327728 116113 2868.09747	49	1699	3577.52554	1958.71782	45.2%
187 975s					
335768 116131 2212.36754	44	1242	3577.52554	1960.99600	45.2%
186 980s					
337729 117514 2513.13950	52	1477	3577.52554	1961.41021	45.2%
186 986s					
339546 117918 2507.97597	58	1154	3577.52554	1961.55761	45.2%
186 992s					
340649 118623 3453.42712	76	283	3577.52554	1961.99600	45.2%
186 996s					
341981 119066 2451.85389	48	1523	3577.52554	1962.41021	45.1%
186 1000s					

343101 120971 2382.55613	48	3703	3577.52554	1964.30509	45.1%
186 1017s					
349552 120982 2219.40917	48	760	3577.52554	1967.02315	45.0%
186 1020s					
349653 121378 2896.69466	60	279	3577.52554	1967.39331	45.0%
186 1025s					
352041 121955 3452.88958	54	1586	3577.52554	1973.46352	44.8%
186 1032s					
353037 121954 infeasible	48		3577.52554	1975.77051	44.8%
186 1035s					
355206 122555 infeasible	56		3577.52554	1979.86924	44.7%
186 1041s					
356558 122971 2447.95023	43	901	3577.52554	1980.96297	44.6%
186 1045s					
357413 125136 2400.85979	46	859	3577.52554	1981.85832	44.6%
187 1066s					
365480 125157 2925.50049	48	830	3577.52554	1990.29492	44.4%
187 1071s					
365537 125203 3201.76452	49	755	3577.52554	1990.29492	44.4%
187 1075s					
367837 126221 3219.13043	58	692	3577.52554	1991.94134	44.3%
187 1081s					
369039 126571 3046.37373	49	925	3577.52554	1993.67724	44.3%
187 1085s					
370905 127171 2955.67589	46	2270	3577.52554	1994.79812	44.2%
187 1091s					
372642 127449 cutoff	58		3577.52554	1995.78993	44.2%
187 1096s					
372714 130000 cutoff	56		3577.52554	1995.93945	44.2%
187 1112s					
380722 130011 3023.90706	50	1716	3577.52554	1998.92612	44.1%
187 1116s					
380844 130252 3102.21682	41	2495	3577.52554	1999.47885	44.1%
187 1120s					
382771 130913 2664.36019	34	1494	3577.52554	2003.66030	44.0%
187 1125s					
385518 131433 3204.16380	45	2279	3577.52554	2008.42044	43.9%
187 1131s					
386462 131882 2596.32504	49	1180	3577.52554	2009.49995	43.8%
187 1135s					
387699 132240 2544.50845	47	1920	3577.52554	2011.16147	43.8%
187 1141s					
388353 132841 2580.87973	45	2359	3577.52554	2011.16147	43.8%
187 1147s					
391581 133377 infeasible	59		3577.52554	2012.66357	43.7%
188 1152s					
393078 133376 2452.95908	46	751	3577.52554	2014.95550	43.7%
188 1155s					
395551 133793 cutoff	54		3577.52554	2017.84800	43.6%
188 1162s					
395687 133908 3115.32404	53	1711	3577.52554	2017.84800	43.6%
188 1165s					
398734 134244 cutoff	47		3577.52554	2019.25590	43.6%
188 1171s					

400159 134885 2984.90981	46	1887	3577.52554	2021.75945	43.5%
188 1175s					
401277 135088 2575.61436	43	1144	3577.52554	2022.25945	43.5%
188 1180s					
403179 135596 2270.14545	49	693	3577.52554	2026.19023	43.4%
188 1185s					
405190 136115 cutoff	68		3577.52554	2029.55625	43.3%
188 1191s					
406147 136273 3318.44345	38	1315	3577.52554	2029.99704	43.3%
188 1196s					
408550 136658 3097.36375	54	1952	3577.52554	2034.35743	43.1%
188 1201s					
409639 137077 cutoff	51		3577.52554	2038.71063	43.0%
188 1205s					
411603 137629 2041.82488	41	1344	3577.52554	2041.79073	42.9%
188 1211s					
412673 137845 2814.44856	56	1927	3577.52554	2043.64653	42.9%
188 1216s					
414558 138257 cutoff	46		3577.52554	2047.57954	42.8%
188 1220s					
415487 138450 cutoff	52		3577.52554	2049.93077	42.7%
188 1225s					
417363 138939 3234.03388	49	1503	3577.52554	2053.48429	42.6%
188 1230s					
419617 139606 cutoff	57		3577.52554	2055.43669	42.5%
188 1236s					
421221 139798 2330.62655	35	1513	3577.52554	2056.02247	42.5%
188 1240s					
423125 140404 cutoff	50		3577.52554	2056.28636	42.5%
189 1247s					
424021 140946 3370.11940	75	291	3577.52554	2056.28636	42.5%
189 1251s					
425711 141109 3265.58555	56	2342	3577.52554	2058.51632	42.5%
189 1257s					
426704 141698 2669.45462	51	1384	3577.52554	2059.99304	42.4%
189 1261s					
428712 141955 3419.07675	44	1877	3577.52554	2065.16147	42.3%
189 1265s					
430079 142669 2691.60196	53	728	3577.52554	2065.99913	42.3%
189 1271s					
431889 142884 3232.64944	51	1882	3577.52554	2065.99913	42.3%
189 1276s					
432016 145201 3232.64944	53	1925	3577.52554	2065.99913	42.3%
189 1293s					
440079 145229 3036.43470	55	425	3577.52554	2070.14127	42.1%
189 1297s					
441207 145712 2070.14127	51	288	3577.52554	2070.14127	42.1%
189 1301s					
442117 146119 cutoff	60		3577.52554	2070.14127	42.1%
189 1305s					
444428 146709 3339.04547	46	617	3577.52554	2070.55548	42.1%
189 1311s					
445353 146898 2356.79812	49	837	3577.52554	2071.59102	42.1%
189 1315s					

446806	147386	3114.37282	50	2731	3577.52554	2072.62655	42.1%
189	1320s						
447917	147944	cutoff	54		3577.52554	2072.83366	42.1%
189	1325s						
450540	148471	infeasible	52		3577.52554	2073.29351	42.0%
189	1332s						
451492	148688	infeasible	46		3577.52554	2074.34560	42.0%
189	1336s						
453068	148899	cutoff	46		3577.52554	2075.50079	42.0%
189	1341s						
454570	149436	cutoff	47		3577.52554	2077.16684	41.9%
189	1346s						
455886	149611	2912.83728	53	1481	3577.52554	2078.01133	41.9%
189	1351s						
458122	150093	2337.45080	46	1039	3577.52554	2078.59711	41.9%
189	1356s						
459224	150258	2979.22587	48	2339	3577.52554	2079.01133	41.9%
190	1360s						
460792	150569	2529.42928	50	1741	3577.52554	2080.80727	41.8%
190	1365s						
461720	151873	2991.21275	54	1977	3577.52554	2081.32504	41.8%
190	1376s						
466332	152142	2560.56681	57	661	3577.52554	2086.29560	41.7%
190	1380s						
468270	152502	2634.69812	47	1709	3577.52554	2088.74532	41.6%
190	1386s						
470323	152848	3394.15295	62	609	3577.52554	2092.61134	41.5%
190	1390s						
471645	153423	cutoff	63		3577.52554	2093.02935	41.5%
190	1395s						
473705	153924	2169.29801	55	2050	3577.52554	2094.16566	41.5%
189	1401s						
475558	154451	2644.88939	49	403	3577.52554	2095.44180	41.4%
189	1405s						
477954	154758	3050.25412	50	1782	3577.52554	2098.01133	41.4%
189	1411s						
479707	155157	cutoff	64		3577.52554	2101.63759	41.3%
189	1417s						
480656	155497	2724.52110	52	2039	3577.52554	2103.75007	41.2%
189	1420s						
482449	155644	infeasible	56		3577.52554	2105.01133	41.2%
189	1425s						
484247	156439	2856.64915	54	1600	3577.52554	2108.86667	41.1%
189	1430s						
486419	156728	infeasible	49		3577.52554	2111.34615	41.0%
189	1436s						
487517	157178	3332.68310	60	2541	3577.52554	2113.75144	40.9%
189	1440s						
H488511	157339				3577.5255366	2113.75144	40.9%
189	1441s						
489777	157526	2738.59356	44	914	3577.52554	2117.67347	40.8%
189	1446s						
490889	158115	3037.21577	42	2156	3577.52554	2119.22558	40.8%
189	1451s						



493501 158598	cutoff	56	3577.52554	2120.26111	40.7%
189 1456s					
494208 158994	2680.86639	42	2590 3577.52554	2122.15626	40.7%
189 1460s					
495970 159504	2935.44831	41	2354 3577.52554	2124.69048	40.6%
189 1466s					
497685 159898	cutoff	42	3577.52554	2126.56106	40.6%
189 1470s					
499677 160474	2130.61645	48	1130 3577.52554	2129.73620	40.5%
189 1475s					
501429 160724	cutoff	44	3577.52554	2130.61645	40.4%
189 1480s					
501872 161025	2147.38624	48	1571 3577.52554	2130.75945	40.4%
189 1486s					
503569 161460	3144.90041	48	2652 3577.52554	2131.44488	40.4%
189 1490s					
506248 162679	3121.71850	53	2494 3577.52554	2131.44488	40.4%
189 1497s					
507455 165396	infeasible	49	3577.52554	2131.44488	40.4%
189 1515s					
515503 165417	3100.56116	46	801 3577.52554	2131.85909	40.4%
189 1521s					
516430 165922	3177.08892	52	1241 3577.52554	2131.85909	40.4%
189 1525s					
518540 166513	3477.94744	56	519 3577.52554	2132.27330	40.4%
189 1530s					
520173 167012	3489.04654	56	1680 3577.52554	2136.70772	40.3%
189 1536s					
522077 167426	2142.62864	39	900 3577.52554	2138.01311	40.2%
189 1540s					
522527 167876	3282.56717	47	592 3577.52554	2138.48651	40.2%
189 1545s					
524814 168193	2500.45309	51	1508 3577.52554	2139.31493	40.2%
189 1550s					
527155 168859	2976.90664	46	1447 3577.52554	2140.76468	40.2%
189 1555s					
529421 169353	3499.48007	54	883 3577.52554	2142.62864	40.1%
189 1561s					
530739 169666	3494.01718	50	1673 3577.52554	2142.62864	40.1%
189 1565s					
531941 170099	2939.91919	58	297 3577.52554	2142.62864	40.1%
189 1570s					
534156 170643	3313.49819	51	578 3577.52554	2145.52691	40.0%
189 1575s					
537020 171067	2391.35812	40	764 3577.52554	2148.00722	40.0%
189 1582s					
537118 172657	cutoff	42	3577.52554	2148.00722	40.0%
189 1597s					
545126 172659	3073.87976	52	1454 3577.52554	2151.08449	39.9%
189 1600s					
545200 172826	cutoff	55	3577.52554	2151.12574	39.9%
189 1605s					
547449 173359	cutoff	52	3577.52554	2154.01952	39.8%
189 1610s					

550025 174231 2365.94981	37	1747	3577.52554	2155.26216	39.8%
189 1616s					
551170 174461 3564.94598	48	1183	3577.52554	2155.58701	39.7%
189 1620s					
553283 174808 2675.38557	51	474	3577.52554	2158.03639	39.7%
189 1625s					
555388 175445 infeasible	54		3577.52554	2160.93357	39.6%
189 1630s					
557225 175919 3050.08470	50	824	3577.52554	2164.18847	39.5%
189 1636s					
559143 176222 2168.25113	45	1296	3577.52554	2165.92515	39.5%
189 1641s					
559867 176516 cutoff	59		3577.52554	2166.13257	39.5%
189 1645s					
562607 176794 cutoff	50		3577.52554	2170.49870	39.3%
189 1651s					
563579 177105 cutoff	63		3577.52554	2170.91291	39.3%
189 1655s					
565795 177515 cutoff	61		3577.52554	2174.62664	39.2%
190 1661s					
567323 178252 cutoff	55		3577.52554	2175.86454	39.2%
189 1666s					
570215 178533 2807.86578	45	2573	3577.52554	2178.62289	39.1%
189 1671s					
570973 178619 cutoff	66		3577.52554	2179.75845	39.1%
190 1676s					
571985 179040 3298.76300	48	1779	3577.52554	2180.12594	39.1%
190 1680s					
573879 179487 cutoff	50		3577.52554	2182.21234	39.0%
190 1686s					
575655 180088 3094.77161	50	2303	3577.52554	2183.51997	39.0%
190 1690s					
577026 180819 infeasible	53		3577.52554	2185.00053	38.9%
190 1695s					
580161 181366 infeasible	63		3577.52554	2185.00053	38.9%
189 1701s					
581343 182162 cutoff	50		3577.52554	2185.00053	38.9%
189 1705s					
583143 183371 2213.36754	47	1256	3577.52554	2185.00053	38.9%
189 1713s					
585710 183386 infeasible	69		3577.52554	2185.41474	38.9%
189 1715s					
586908 183829 2476.04885	40	1623	3577.52554	2185.41474	38.9%
189 1721s					
588212 184473 3304.17102	49	1218	3577.52554	2185.41474	38.9%
189 1725s					
590978 185328 3427.94246	51	368	3577.52554	2186.41474	38.9%
189 1731s					
592155 185576 3024.46861	52	1596	3577.52554	2186.94488	38.9%
189 1735s					
594557 186050 cutoff	60		3577.52554	2188.60635	38.8%
189 1741s					
595578 186540 cutoff	48		3577.52554	2188.60635	38.8%
189 1745s					

597130 186765 3423.34141	40	1505	3577.52554	2189.02056	38.8%
189 1750s					
597239 189656 3423.34141	41	1083	3577.52554	2189.02056	38.8%
189 1765s					
605272 189662 2208.93892	49	748	3577.52554	2192.04216	38.7%
188 1770s					
607065 190387 2726.26681	48	1703	3577.52554	2193.26727	38.7%
188 1775s					
608960 190943 3344.73194	48	850	3577.52554	2193.78333	38.7%
188 1780s					
610995 191449 cutoff	53		3577.52554	2195.00799	38.6%
188 1786s					
611893 193687 3291.80774	69	1502	3577.52554	2195.27351	38.6%
188 1804s					
619901 193698 cutoff	60		3577.52554	2198.35827	38.6%
188 1806s					
620003 193942 3037.71253	54	2044	3577.52554	2198.66754	38.5%
188 1810s					
621621 194252 infeasible	47		3577.52554	2200.11640	38.5%
188 1816s					
622548 194427 2882.60501	48	1133	3577.52554	2200.43198	38.5%
188 1821s					
624376 194688 3441.92658	52	2142	3577.52554	2201.61424	38.5%
188 1825s					
627139 195942 3130.89689	58	1766	3577.52554	2201.89729	38.5%
187 1833s					
627195 199133 cutoff	59		3577.52554	2201.89729	38.5%
187 1846s					
635238 199469 2673.26106	56	772	3577.52554	2201.89729	38.5%
187 1850s					
636915 200446 2860.18696	58	1767	3577.52554	2201.89729	38.5%
186 1856s					
638992 201136 3207.14615	71	1403	3577.52554	2201.89729	38.5%
186 1861s					
641653 201731 3080.64366	59	1448	3577.52554	2201.89729	38.5%
186 1867s					
641690 205017 cutoff	60		3577.52554	2201.89729	38.5%
186 1881s					
649698 205020 cutoff	59		3577.52554	2202.31151	38.4%
186 1885s					
650392 205515 2883.12267	56	1106	3577.52554	2202.31151	38.4%
186 1891s					
653280 206812 2966.98514	51	2081	3577.52554	2202.31151	38.4%
185 1896s					
654267 207121 2643.78206	46	1685	3577.52554	2202.31151	38.4%
185 1901s					
656136 208124 2382.54120	52	1906	3577.52554	2202.51249	38.4%
185 1905s					
659845 209322 3545.04106	53	1646	3577.52554	2202.89729	38.4%
185 1911s					
661788 209766 infeasible	50		3577.52554	2202.98971	38.4%
185 1916s					
663656 210402 3264.02358	63	2395	3577.52554	2203.31151	38.4%
185 1920s					

666390 211236 3360.65319	49	952	3577.52554	2203.72572	38.4%
184 1925s					
669021 212041 2947.39264	61	1327	3577.52554	2204.27377	38.4%
184 1931s					
670533 212899 3467.30014	70	183	3577.52554	2204.76068	38.4%
184 1935s					
673716 213716 3094.31093	65	1043	3577.52554	2204.97875	38.4%
184 1940s					
675031 214470 infeasible	45		3577.52554	2204.97875	38.4%
184 1945s					
677796 215218 infeasible	57		3577.52554	2204.97875	38.4%
184 1951s					
679286 216309 cutoff	61		3577.52554	2204.97875	38.4%
184 1955s					
681345 217032 2900.65953	52	1244	3577.52554	2204.97875	38.4%
183 1961s					
683011 217246 3195.67611	60	714	3577.52554	2204.97875	38.4%
183 1965s					
685195 218264 3488.11591	62	710	3577.52554	2205.05249	38.4%
183 1971s					
687783 218858 infeasible	60		3577.52554	2205.39297	38.4%
183 1975s					
689613 219553 2381.29983	63	2470	3577.52554	2205.39297	38.4%
183 1980s					
691834 220770 infeasible	70		3577.52554	2205.39297	38.4%
183 1986s					
692738 221317 2598.21202	52	1572	3577.52554	2205.39297	38.4%
183 1990s					
695632 221870 3127.41352	61	899	3577.52554	2205.39297	38.4%
182 1995s					
697437 222524 3282.40459	59	1947	3577.52554	2205.80718	38.3%
182 2000s					
699878 223454 3138.43733	54	1816	3577.52554	2205.97875	38.3%
182 2006s					
701046 226169 infeasible	44		3577.52554	2206.42850	38.3%
182 2023s					
709054 226166 3242.03271	63	902	3577.52554	2208.36318	38.3%
181 2027s					
709099 226167 cutoff	64		3577.52554	2208.36318	38.3%
181 2032s					
710006 226770 cutoff	63		3577.52554	2208.64466	38.3%
181 2035s					
711884 227274 2687.53178	57	1766	3577.52554	2209.30495	38.2%
181 2040s					
713621 227654 2979.42707	57	1384	3577.52554	2210.02003	38.2%
181 2046s					
716006 228607 cutoff	57		3577.52554	2210.84846	38.2%
181 2051s					
717383 228955 2925.61452	48	1555	3577.52554	2211.65808	38.2%
181 2055s					
720065 229818 3358.00184	47	1260	3577.52554	2212.02038	38.2%
181 2060s					
721199 230430 3450.32922	56	1083	3577.52554	2212.36754	38.2%
181 2065s					

723629 231386 3033.59895	53 1638 3577.52554 2212.36754	38.2%
181 2070s		
725085 231933 3242.90490	60 301 3577.52554 2212.36754	38.2%
181 2075s		
727967 232506 2863.77290	58 1610 3577.52554 2212.36754	38.2%
181 2080s		
729661 233486 cutoff	52 3577.52554 2212.36754	38.2%
181 2085s		
731003 236277 3149.95794	62 1520 3577.52554 2212.36754	38.2%
180 2103s		
739011 236280 2956.35508	52 1655 3577.52554 2212.36754	38.2%
180 2106s		
739076 236703 3177.12229	55 446 3577.52554 2212.36754	38.2%
180 2111s		
741237 237349 3342.26048	65 1338 3577.52554 2212.36754	38.2%
180 2115s		
743012 237813 infeasible	50 3577.52554 2212.36754	38.2%
180 2121s		
744937 238680 2326.24115	46 1911 3577.52554 2212.78175	38.1%
180 2125s		
746448 241744 3271.87698	52 1681 3577.52554 2212.78175	38.1%
180 2141s		
753635 241868 3566.42860	50 382 3577.52554 2212.78175	38.1%
179 2145s		
755710 242785 3107.37628	52 1563 3577.52554 2212.78175	38.1%
179 2151s		
756823 243595 2690.03510	44 927 3577.52554 2212.78175	38.1%
179 2155s		
758849 244268 3250.20808	56 2284 3577.52554 2212.78175	38.1%
179 2161s		
760865 245169 infeasible	58 3577.52554 2212.78175	38.1%
179 2165s		
763226 245860 2857.15347	56 766 3577.52554 2213.12470	38.1%
179 2171s		
764950 246252 3312.16097	64 2548 3577.52554 2213.19596	38.1%
179 2175s		
767160 247214 3028.13867	59 223 3577.52554 2213.36754	38.1%
179 2181s		
768328 247527 2992.04321	60 1174 3577.52554 2213.36754	38.1%
179 2185s		
771283 248026 3218.01969	62 271 3577.52554 2213.71083	38.1%
179 2191s		
772671 248853 3344.38705	53 665 3577.52554 2213.71083	38.1%
179 2195s		
776325 249986 3554.11376	49 846 3577.52554 2213.78175	38.1%
179 2202s		
776693 251160 2920.88889	49 630 3577.52554 2213.78175	38.1%
179 2208s		
780722 251172 2662.77410	56 701 3577.52554 2214.02439	38.1%
178 2210s		
782828 251865 3504.00529	56 1032 3577.52554 2214.12505	38.1%
178 2215s		
785071 252485 3372.19815	58 2221 3577.52554 2214.19596	38.1%
178 2220s		

786996 253504 2248.73791	53 1418 3577.52554 2214.85282	38.1%
178 2225s		
789000 253924 3416.04597	56 2327 3577.52554 2215.36769	38.1%
178 2230s		
790993 254567 3449.80850	64 550 3577.52554 2215.74830	38.1%
178 2236s		
793460 255416 3299.00261	48 1153 3577.52554 2216.19611	38.1%
178 2241s		
794566 255440 cutoff	58 3577.52554 2216.43860	38.0%
177 2245s		
796391 256342 2989.76094	63 907 3577.52554 2216.57673	38.0%
177 2250s		
799229 257479 2630.61265	56 1473 3577.52554 2216.99094	38.0%
177 2256s		
801110 257954 2781.94925	43 1337 3577.52554 2217.43048	38.0%
177 2260s		
802887 258202 infeasible	47 3577.52554 2218.18575	38.0%
177 2265s		
804510 258652 infeasible	53 3577.52554 2218.71423	38.0%
177 2271s		
805447 259320 3058.11556	58 1129 3577.52554 2219.00598	38.0%
177 2276s		
807920 259802 2458.43949	50 1530 3577.52554 2219.40917	38.0%
177 2281s		
810320 260286 infeasible	59 3577.52554 2220.65181	37.9%
177 2285s		
812039 260918 2509.04268	50 1666 3577.52554 2221.04216	37.9%
177 2291s		
813927 261420 3154.54895	50 522 3577.52554 2222.05557	37.9%
177 2296s		
815933 261731 infeasible	66 3577.52554 2222.44644	37.9%
176 2300s		
817907 262464 3475.40722	75 1805 3577.52554 2222.71572	37.9%
176 2305s		
819717 263004 3114.79434	56 802 3577.52554 2223.48052	37.8%
176 2310s		
821911 263321 infeasible	63 3577.52554 2223.55130	37.8%
176 2315s		
823939 264354 2930.64084	52 934 3577.52554 2224.79394	37.8%
176 2321s		
826029 265125 3018.27856	58 1858 3577.52554 2224.89460	37.8%
176 2326s		
827876 265674 3125.24129	59 1108 3577.52554 2225.22442	37.8%
176 2331s		
830789 266242 3460.12595	59 724 3577.52554 2225.51751	37.8%
176 2338s		
830836 266453 2917.58421	54 1070 3577.52554 2225.51751	37.8%
176 2340s		
833389 267264 3434.36409	56 1940 3577.52554 2226.09268	37.8%
176 2345s		
834971 267436 3166.27801	58 1861 3577.52554 2226.33284	37.8%
176 2351s		
835091 269776 3244.62196	59 1712 3577.52554 2226.33284	37.8%
176 2365s		

843156 269783 3526.70298	56	544	3577.52554	2228.10930	37.7%
176 2372s					
844158 270332 3263.57802	67	843	3577.52554	2228.27922	37.7%
176 2375s					
846398 270552 3199.32337	53	1340	3577.52554	2228.65964	37.7%
176 2381s					
847574 271040 3171.34722	53	756	3577.52554	2228.89729	37.7%
175 2385s					
850130 271610 3370.14615	58	722	3577.52554	2228.89729	37.7%
175 2392s					
852499 271785 cutoff	58		3577.52554	2229.21024	37.7%
175 2395s					
854250 272234 3389.99287	64	770	3577.52554	2229.62446	37.7%
175 2400s					
856275 272713 infeasible	65		3577.52554	2230.65999	37.6%
175 2405s					
857825 273084 3520.15370	68	1950	3577.52554	2230.71083	37.6%
175 2410s					
859580 273527 infeasible	59		3577.52554	2231.07421	37.6%
175 2416s					
862403 274256 3057.18434	54	2143	3577.52554	2231.65999	37.6%
175 2421s					
864549 274693 3132.98106	55	1046	3577.52554	2232.28528	37.6%
175 2426s					
866765 275123 cutoff	48		3577.52554	2233.34825	37.6%
175 2432s					
867834 275562 2325.41143	49	733	3577.52554	2234.00837	37.6%
175 2435s					
869704 276007 3156.08864	48	3070	3577.52554	2234.91398	37.5%
175 2441s					
871540 276286 2808.28633	47	1535	3577.52554	2234.99827	37.5%
175 2446s					
872470 276840 3218.36089	61	1406	3577.52554	2234.99827	37.5%
175 2450s					
874686 277483 3287.32228	50	1124	3577.52554	2234.99827	37.5%
175 2456s					
875990 277982 2759.51314	48	991	3577.52554	2234.99827	37.5%
175 2460s					
878531 278817 3014.96876	54	815	3577.52554	2235.00923	37.5%
175 2465s					
880851 279307 2873.77983	52	539	3577.52554	2235.00923	37.5%
175 2470s					
880910 282064 3157.22516	52	1073	3577.52554	2235.00923	37.5%
175 2487s					
888949 282101 2285.12908	46	657	3577.52554	2235.42345	37.5%
175 2491s					
890172 282790 3493.75476	59	459	3577.52554	2235.42345	37.5%
174 2495s					
892416 283437 2303.53716	58	1223	3577.52554	2235.42345	37.5%
174 2501s					
894598 284064 2886.78373	49	1810	3577.52554	2235.83766	37.5%
174 2506s					
897367 284821 cutoff	61		3577.52554	2236.11549	37.5%
174 2510s					

899057 285234	infeasible	61		3577.52554	2236.48413	37.5%
174 2515s						
900700 285812	3096.09577	57	946	3577.52554	2236.69123	37.5%
174 2521s						
903155 286354	3451.54912	50	1128	3577.52554	2237.49452	37.5%
174 2525s						
904824 286567	cutoff	52		3577.52554	2238.11549	37.4%
174 2530s						
906448 286874	infeasible	54		3577.52554	2238.56365	37.4%
174 2536s						
908363 287504	infeasible	47		3577.52554	2239.33743	37.4%
174 2541s						
910905 288035	2239.36754	51	726	3577.52554	2239.36754	37.4%
174 2547s						
910951 289571	2481.52541	54	1098	3577.52554	2239.36754	37.4%
174 2562s						
919014 289579	3506.70642	65	682	3577.52554	2240.78175	37.4%
174 2567s						
919121 289731	2654.05044	49	1191	3577.52554	2241.00000	37.4%
174 2570s						
920587 289884	3266.83792	52	2114	3577.52554	2241.71083	37.3%
174 2575s						
922373 290559	3100.19645	54	1556	3577.52554	2242.45411	37.3%
174 2580s						
924257 290957	infeasible	69		3577.52554	2243.08640	37.3%
174 2586s						
925937 291436	3117.12193	54	361	3577.52554	2244.00234	37.3%
174 2590s						
928399 291810	cutoff	60		3577.52554	2244.52186	37.3%
174 2596s						
929310 292003	3006.19096	57	1992	3577.52554	2244.74325	37.3%
174 2601s						
930342 292381	3396.79221	54	983	3577.52554	2245.12193	37.2%
173 2605s						
932461 292799	cutoff	57		3577.52554	2245.36754	37.2%
173 2610s						
934386 293050	cutoff	63		3577.52554	2246.05087	37.2%
173 2615s						
936446 293561	cutoff	64		3577.52554	2246.36754	37.2%
173 2620s						
938530 294450	2568.72743	43	752	3577.52554	2246.60721	37.2%
173 2625s						
940471 295250	2269.42416	43	1526	3577.52554	2246.83833	37.2%
173 2632s						
942778 295553	3064.58658	58	633	3577.52554	2247.02218	37.2%
173 2636s						
944633 296622	2478.93213	47	872	3577.52554	2247.16148	37.2%
173 2641s						
945599 296830	cutoff	55		3577.52554	2247.22853	37.2%
173 2645s						
948138 297500	2717.31337	54	1343	3577.52554	2247.58516	37.2%
173 2651s						
949886 298210	2983.00041	57	1102	3577.52554	2248.32370	37.2%
173 2656s						



950961 298387 2261.19240	50	1138	3577.52554	2248.76600	37.1%
173 2660s					
953750 298927 2338.49464	47	1239	3577.52554	2249.98055	37.1%
173 2665s					
955501 299664 cutoff	50		3577.52554	2250.78441	37.1%
173 2671s					
956710 299980 infeasible	60		3577.52554	2251.59483	37.1%
173 2675s					
958851 300267 2313.34803	54	1111	3577.52554	2252.34593	37.0%
173 2680s					
960302 300396 cutoff	51		3577.52554	2252.69486	37.0%
173 2685s					
962564 301126 cutoff	54		3577.52554	2253.45120	37.0%
173 2691s					
963677 301820 3269.38181	48	1099	3577.52554	2254.20787	37.0%
173 2695s					
965879 302539 3179.09793	61	901	3577.52554	2254.99915	37.0%
173 2701s					
968115 303226 3250.66433	60	1288	3577.52554	2255.09859	37.0%
173 2705s					
970677 305434 3364.79288	48	1202	3577.52554	2255.41337	37.0%
172 2720s					
978166 305582 cutoff	57		3577.52554	2256.09859	36.9%
172 2726s					
980674 306290 2812.12292	43	1924	3577.52554	2256.78818	36.9%
172 2730s					
981599 306560 2575.05255	53	1397	3577.52554	2257.27937	36.9%
172 2735s					
984373 307157 cutoff	70		3577.52554	2257.58684	36.9%
172 2741s					
985301 307848 cutoff	64		3577.52554	2258.20519	36.9%
172 2745s					
987604 308390 cutoff	48		3577.52554	2258.81555	36.9%
172 2751s					
990568 308897 cutoff	60		3577.52554	2259.22976	36.8%
172 2756s					
991642 309389 cutoff	50		3577.52554	2259.43687	36.8%
172 2760s					
993736 309965 2441.97355	55	1433	3577.52554	2260.45080	36.8%
172 2766s					
995927 310533 3537.17089	53	277	3577.52554	2260.85511	36.8%
171 2771s					
998108 310750 3385.65623	59	1787	3577.52554	2261.17471	36.8%
171 2775s					
999983 311358 cutoff	58		3577.52554	2261.63541	36.8%
171 2780s					
1001318 311521 2965.96520	57	1165	3577.52554	2261.79409	36.8%
171 2785s					
1003884 311877 2700.88833	50	2124	3577.52554	2262.74409	36.8%
171 2791s					
1004739 312258 2670.41840	42	1238	3577.52554	2262.76825	36.8%
172 2795s					
1006459 312501 3461.04181	64	1445	3577.52554	2264.58353	36.7%
172 2800s					

1008496 313151	infeasible	43		3577.52554	2265.96446	36.7%
171 2806s						
1009388 313616	2771.70389	55	810	3577.52554	2266.35610	36.7%
172 2810s						
1012895 314406	2623.05700	54	1695	3577.52554	2266.69657	36.6%
171 2817s						
1013812 315146	infeasible	67		3577.52554	2266.69657	36.6%
171 2821s						
1016216 315610	2744.02119	52	1198	3577.52554	2267.11079	36.6%
171 2825s						
1018245 316284	2985.33532	55	277	3577.52554	2267.69657	36.6%
171 2832s						
1018797 316561	cutoff	45		3577.52554	2267.92825	36.6%
171 2835s						
1021035 317065	cutoff	57		3577.52554	2268.56053	36.6%
171 2841s						
1022047 317325	2755.04351	58	1413	3577.52554	2269.18185	36.6%
171 2846s						
1023885 317711	2885.69714	49	2144	3577.52554	2270.14545	36.5%
171 2850s						
1026333 318201	cutoff	43		3577.52554	2270.67099	36.5%
171 2857s						
1027480 318781	3506.92146	52	1238	3577.52554	2270.67099	36.5%
171 2861s						
1029909 319164	3504.23319	41	668	3577.52554	2271.60008	36.5%
171 2867s						
1030258 319736	infeasible	49		3577.52554	2271.60008	36.5%
171 2873s						
1033724 319728	infeasible	54		3577.52554	2272.60008	36.5%
171 2877s						
1034686 319994	3018.58189	48	1290	3577.52554	2273.70351	36.4%
171 2881s						
1036470 320424	infeasible	60		3577.52554	2274.76277	36.4%
171 2886s						
1037687 320821	3340.82874	55	1627	3577.52554	2275.34022	36.4%
171 2890s						
1039609 321169	cutoff	52		3577.52554	2277.01790	36.4%
171 2895s						
1041835 322000	infeasible	54		3577.52554	2278.89107	36.3%
171 2901s						
1042607 322012	2280.33009	55	1115	3577.52554	2279.00000	36.3%
171 2905s						
1044323 322743	3173.11446	47	705	3577.52554	2279.74430	36.3%
171 2910s						
1046235 323245	2335.13308	47	2433	3577.52554	2280.55252	36.3%
171 2915s						
1047805 323255	3316.18196	51	1215	3577.52554	2280.76555	36.2%
171 2920s						
1050056 324058	infeasible	65		3577.52554	2281.59884	36.2%
171 2925s						
1051581 324172	3228.57439	54	640	3577.52554	2282.06929	36.2%
171 2931s						
1052756 324332	2742.65364	55	543	3577.52554	2282.66395	36.2%
171 2936s						

1053947 324622	infeasible	56		3577.52554	2283.09250	36.2%
171 2940s						
1056000 325182	3480.35782	58	1707	3577.52554	2285.03815	36.1%
171 2945s						
1057621 326073	3342.45238	60	1289	3577.52554	2285.12908	36.1%
171 2950s						
1059997 326709	3341.76932	61	926	3577.52554	2285.12908	36.1%
171 2957s						
1061392 326996	3463.22084	68	1078	3577.52554	2285.54329	36.1%
171 2960s						
1063517 327314	cutoff	50		3577.52554	2285.90873	36.1%
171 2965s						
1065513 327898	infeasible	69		3577.52554	2286.61941	36.1%
171 2970s						
1067065 328342	2649.86808	41	1688	3577.52554	2287.35343	36.1%
171 2975s						
1069649 328880	2294.25790	51	1708	3577.52554	2288.63829	36.0%
171 2981s						
1070976 329192	3431.45471	70	1123	3577.52554	2289.36107	36.0%
171 2985s						
1072875 329688	cutoff	69		3577.52554	2289.83078	36.0%
171 2991s						
1073682 330006	infeasible	47		3577.52554	2290.70267	36.0%
171 2995s						
1075778 330574	3444.43214	52	737	3577.52554	2291.58405	35.9%
171 3001s						
1077877 330860	2790.48916	44	1686	3577.52554	2292.24150	35.9%
171 3005s						
1079963 331240	cutoff	46		3577.52554	2293.56959	35.9%
171 3011s						
1082084 331545	2951.62404	53	795	3577.52554	2294.99827	35.8%
171 3019s						
1082157 331763	3167.21613	51	2576	3577.52554	2294.99827	35.8%
171 3021s						
1083861 332056	2500.51969	58	1108	3577.52554	2296.59779	35.8%
171 3025s						
1085403 332554	3507.64920	48	162	3577.52554	2296.71609	35.8%
171 3031s						
1086625 333054	3222.97976	52	2690	3577.52554	2296.71609	35.8%
171 3036s						
1089151 333570	3521.75920	58	472	3577.52554	2296.72706	35.8%
171 3041s						
1089604 334376	3410.64563	61	376	3577.52554	2296.72706	35.8%
171 3047s						
1092541 334549	3156.57871	64	858	3577.52554	2297.48204	35.8%
171 3051s						
1093448 334839	2996.96335	55	947	3577.52554	2297.75002	35.8%
171 3056s						
1095523 335250	3432.63387	52	652	3577.52554	2298.16147	35.8%
171 3061s						
1097173 335405	3094.03485	50	373	3577.52554	2298.16147	35.8%
171 3066s						
1099208 335903	3436.07164	49	1479	3577.52554	2299.06515	35.7%
171 3072s						

1100263 336311 2703.70594	49	1344	3577.52554	2299.53212	35.7%
171 3076s					
1101529 336450 3074.71607	50	657	3577.52554	2299.67619	35.7%
171 3081s					
1102631 336698 2476.11323	47	618	3577.52554	2300.44401	35.7%
171 3086s					
1104983 336922 infeasible	59		3577.52554	2301.93482	35.7%
171 3090s					
1106702 337333 3315.95868	55	989	3577.52554	2302.72276	35.6%
171 3096s					
1107769 337859 cutoff	54		3577.52554	2303.43564	35.6%
171 3100s					
1110052 338408 3097.33562	54	1136	3577.52554	2304.58615	35.6%
171 3105s					
1113017 338777 cutoff	64		3577.52554	2305.24382	35.6%
171 3111s					
1114909 339191 3127.79892	56	594	3577.52554	2306.18542	35.5%
171 3116s					
1115941 339740 cutoff	61		3577.52554	2306.46107	35.5%
171 3120s					
1118063 340301 3254.00793	64	1073	3577.52554	2306.74300	35.5%
171 3126s					
1120211 340595 2442.95079	49	2335	3577.52554	2307.34381	35.5%
171 3130s					
1121475 341087 2308.85909	47	493	3577.52554	2308.28496	35.5%
171 3136s					
1123851 341452 3295.80580	52	1045	3577.52554	2309.19612	35.5%
171 3140s					
1125983 341986 3136.83787	53	879	3577.52554	2310.16566	35.4%
171 3145s					
1128144 342249 infeasible	65		3577.52554	2311.57950	35.4%
171 3151s					
1129197 342773 3427.68921	49	2521	3577.52554	2311.81659	35.4%
171 3155s					
1130176 343027 3099.45447	59	375	3577.52554	2312.57927	35.4%
171 3160s					
1133150 343861 infeasible	63		3577.52554	2313.34468	35.3%
171 3165s					
1135228 344189 2724.77691	54	839	3577.52554	2314.67854	35.3%
171 3170s					
1136797 344512 cutoff	57		3577.52554	2315.07825	35.3%
171 3177s					
1137665 344905 2559.67760	40	2084	3577.52554	2315.27468	35.3%
171 3181s					
1139136 345053 2339.66592	48	1363	3577.52554	2315.42972	35.3%
171 3185s					
1141146 345498 2499.32415	38	2422	3577.52554	2315.83010	35.3%
171 3191s					
1142038 345652 2318.69568	54	1243	3577.52554	2315.84394	35.3%
171 3195s					
1144716 346714 2418.31674	58	1461	3577.52554	2316.81641	35.2%
171 3201s					
1145548 346992 3288.34800	52	2187	3577.52554	2316.81641	35.2%
171 3206s					

1147742 347354 3378.78427	50	678	3577.52554	2317.70267	35.2%
171 3211s					
1149163 347602 infeasible	58		3577.52554	2318.28005	35.2%
171 3216s					
1149245 349570 3048.96527	55	2962	3577.52554	2318.45498	35.2%
171 3232s					
1157348 349583 3100.24596	52	1336	3577.52554	2320.32626	35.1%
171 3235s					
1158836 350291 2963.52431	57	173	3577.52554	2320.32626	35.1%
171 3241s					
1160153 350616 2764.11371	50	1568	3577.52554	2320.49783	35.1%
171 3245s					
1161255 350773 cutoff	62		3577.52554	2321.26616	35.1%
171 3250s					
1164338 351415 3186.13571	59	1216	3577.52554	2323.06123	35.1%
171 3256s					
1164567 352448 2720.57625	59	974	3577.52554	2323.21996	35.1%
171 3265s					
1169566 352456 2501.35218	49	852	3577.52554	2326.04684	35.0%
171 3272s					
1170602 352865 2525.05513	55	952	3577.52554	2326.49870	35.0%
171 3276s					
1172785 353128 cutoff	69		3577.52554	2327.27226	34.9%
171 3280s					
1174774 353666 3264.43115	44	1539	3577.52554	2328.66177	34.9%
171 3287s					
1175695 353987 2648.43896	57	264	3577.52554	2329.19571	34.9%
171 3290s					
1177615 354469 cutoff	60		3577.52554	2330.29628	34.9%
171 3296s					
1179590 354845 cutoff	56		3577.52554	2331.51003	34.8%
171 3300s					
1181743 355219 2535.42202	46	1931	3577.52554	2332.33723	34.8%
171 3306s					
1183485 355367 cutoff	44		3577.52554	2333.15471	34.8%
171 3311s					
1184456 355702 3511.85317	54	296	3577.52554	2333.46908	34.8%
171 3315s					
1186895 356245 3091.28783	53	2078	3577.52554	2333.99199	34.8%
171 3321s					
1189988 356715 3223.71400	57	532	3577.52554	2335.24892	34.7%
171 3327s					
1191002 357035 infeasible	66		3577.52554	2335.64637	34.7%
171 3331s					
1192824 357419 cutoff	49		3577.52554	2336.47727	34.7%
171 3335s					
1194790 357774 2599.28376	50	1438	3577.52554	2336.90577	34.7%
171 3341s					
1196997 358052 2337.79080	48	1746	3577.52554	2337.49305	34.7%
171 3345s					
1198973 358490 2746.94606	44	2976	3577.52554	2338.63948	34.6%
171 3350s					
1199787 358576 3262.83365	50	1345	3577.52554	2339.11460	34.6%
171 3355s					

1201279	358747	2952.84299	49	1732	3577.52554	2340.44488	34.6%
171 3360s							
1201982	359112	cutoff	54		3577.52554	2340.44488	34.6%
171 3365s							
1204652	359621	cutoff	61		3577.52554	2342.42047	34.5%
171 3374s							
1204694	359843	2769.28991	54	1420	3577.52554	2342.66418	34.5%
171 3377s							
1206577	360148	2598.29339	56	1342	3577.52554	2344.38353	34.5%
171 3380s							
1209086	360585	3249.64264	49	2489	3577.52554	2346.45079	34.4%
171 3386s							
1210385	362277	2999.47383	54	1338	3577.52554	2346.55322	34.4%
171 3403s							
1217808	362267	3502.64666	68	563	3577.52554	2349.62376	34.3%
171 3406s							
1217952	362519	2803.12173	47	1029	3577.52554	2349.62627	34.3%
171 3410s							
1220089	362654	cutoff	54		3577.52554	2350.89520	34.3%
171 3415s							
1221597	363079	2365.63173	50	1994	3577.52554	2351.41421	34.3%
171 3420s							
1223399	363462	3333.50181	60	1034	3577.52554	2353.31685	34.2%
171 3426s							
1224369	363659	cutoff	52		3577.52554	2353.99600	34.2%
171 3430s							
1226631	364303	cutoff	67		3577.52554	2354.94490	34.2%
171 3436s							
1227874	364483	2995.90363	52	2119	3577.52554	2355.12020	34.2%
171 3440s							
1229842	364764	infeasible	51		3577.52554	2356.63329	34.1%
171 3446s							
1230822	364937	3001.86063	44	1327	3577.52554	2357.16397	34.1%
171 3451s							
1232728	365375	2616.27239	53	695	3577.52554	2358.14179	34.1%
171 3455s							
1234999	365684	2951.67382	55	1201	3577.52554	2358.95550	34.1%
171 3461s							
1236909	365814	cutoff	55		3577.52554	2360.38008	34.0%
171 3466s							
1237980	366251	3135.19361	59	555	3577.52554	2361.00036	34.0%
171 3470s							
1240085	366471	2688.47324	48	3008	3577.52554	2361.89078	34.0%
171 3475s							
1240202	368005	2689.58943	49	3067	3577.52554	2361.94439	34.0%
171 3490s							
1248278	368014	2364.06985	44	1391	3577.52554	2364.06985	33.9%
171 3497s							
1249316	368448	3532.53328	53	1094	3577.52554	2364.06985	33.9%
171 3500s							
1251081	368806	cutoff	53		3577.52554	2365.06133	33.9%
171 3506s							
1252827	368943	cutoff	39		3577.52554	2365.76982	33.9%
171 3510s							

1254673 369304 2696.29177	39	1392	3577.52554	2366.53666	33.8%
171 3516s					
1254715 370780 2696.29177	40	1288	3577.52554	2366.56049	33.8%
171 3531s					
1262761 370794 2735.31580	54	1120	3577.52554	2369.62864	33.8%
171 3537s					
1263641 370981 3061.11272	53	1237	3577.52554	2370.10969	33.8%
171 3540s					
1264706 371500 3431.59579	63	1672	3577.52554	2370.61277	33.7%
171 3545s					
1266664 371710 3535.78708	64	805	3577.52554	2371.47727	33.7%
171 3550s					
1268509 372254 3014.09114	49	2862	3577.52554	2372.31168	33.7%
171 3555s					
1270348 372437 2861.41356	53	839	3577.52554	2373.62864	33.7%
171 3562s					
1270990 372724 3147.33526	47	1840	3577.52554	2373.88386	33.6%
171 3565s					
1272677 373001 2922.31662	46	1100	3577.52554	2374.29807	33.6%
171 3570s					
1275287 373328 cutoff	62		3577.52554	2375.03856	33.6%
171 3575s					
1276493 373862 cutoff	55		3577.52554	2375.37172	33.6%
171 3580s					
1279230 374311 3478.89924	54	1059	3577.52554	2376.01071	33.6%
171 3586s					
1280150 374641 3105.01302	42	2290	3577.52554	2376.30361	33.6%
171 3590s					
1280934 374932 2736.35829	63	1949	3577.52554	2376.30361	33.6%
171 3595s					
1284548 375520 cutoff	56		3577.52554	2377.48773	33.5%
171 3604s					
1284893 376477 3214.28632	54	2059	3577.52554	2377.48773	33.5%
171 3612s					
1289126 376479 2388.68513	40	1602	3577.52554	2378.47248	33.5%
171 3616s					
1290171 376631 infeasible	65		3577.52554	2378.89729	33.5%
171 3621s					
1291171 377038 2705.68456	45	1529	3577.52554	2379.10844	33.5%
171 3625s					
1292917 377465 3561.65100	48	1602	3577.52554	2379.10844	33.5%
171 3631s					
1294647 377824 infeasible	54		3577.52554	2379.52265	33.5%
171 3636s					
1295454 378281 3326.98121	42	1373	3577.52554	2379.52265	33.5%
171 3640s					
1297346 378413 cutoff	49		3577.52554	2380.00732	33.5%
171 3645s					
1299444 378764 3266.84891	52	432	3577.52554	2380.97301	33.4%
171 3652s					
1299761 379416 2706.27389	50	1482	3577.52554	2381.47899	33.4%
171 3660s					
1304687 379572 3305.10254	49	802	3577.52554	2383.76347	33.4%
171 3665s					

1306155 380072 2910.34873	48	650	3577.52554	2384.30789	33.4%
171 3671s					
1307327 380247 3219.22484	59	1353	3577.52554	2384.57455	33.3%
171 3675s					
1310658 380772 infeasible	55		3577.52554	2385.50881	33.3%
171 3681s					
1312033 381282 2708.28183	59	814	3577.52554	2385.50881	33.3%
171 3685s					
1314051 381678 cutoff	57		3577.52554	2385.69303	33.3%
171 3692s					
1315447 381897 3175.08536	56	668	3577.52554	2386.37781	33.3%
171 3696s					
1317579 382146 cutoff	42		3577.52554	2387.62289	33.3%
171 3700s					
1319474 382486 3251.36859	57	1690	3577.52554	2388.87871	33.2%
171 3705s					
1321372 383100 3506.59834	47	453	3577.52554	2389.36754	33.2%
171 3711s					
1322305 383288 3063.71116	45	2719	3577.52554	2389.93735	33.2%
171 3715s					
1324070 383619 2946.88087	53	1060	3577.52554	2390.32215	33.2%
171 3721s					
1326738 384051 2917.15364	40	582	3577.52554	2391.79931	33.1%
171 3726s					
1329049 384456 cutoff	50		3577.52554	2392.59792	33.1%
171 3732s					
1329138 385893 3011.29004	49	1137	3577.52554	2392.62912	33.1%
171 3747s					
1337212 385907 cutoff	62		3577.52554	2394.34100	33.1%
171 3751s					
1338250 386301 3179.35702	60	2422	3577.52554	2395.61140	33.0%
171 3756s					
1340810 386607 3273.31159	44	1356	3577.52554	2397.01721	33.0%
171 3762s					
1341821 386999 3111.22573	47	2105	3577.52554	2397.19050	33.0%
171 3766s					
1344156 387523 3551.24823	57	647	3577.52554	2398.57273	33.0%
171 3772s					
1345474 387724 2425.48922	55	1372	3577.52554	2399.42090	32.9%
171 3776s					
1347202 387974 3237.84637	54	2064	3577.52554	2399.65936	32.9%
171 3780s					
1348110 388140 2805.24676	54	1081	3577.52554	2400.19718	32.9%
171 3785s					
1350802 388365 infeasible	57		3577.52554	2401.81565	32.9%
171 3791s					
1351749 388548 2541.40622	51	2080	3577.52554	2402.31075	32.8%
171 3795s					
1353694 388894 cutoff	50		3577.52554	2403.17994	32.8%
171 3801s					
1355160 389277 3289.57028	65	1581	3577.52554	2404.06829	32.8%
171 3806s					
1356439 389285 3416.72471	63	565	3577.52554	2404.48049	32.8%
171 3811s					



1357538 389773 3472.79534	62	418	3577.52554	2404.94446	32.8%
171 3815s					
1359492 390072 cutoff	50		3577.52554	2405.63325	32.8%
171 3820s					
1359811 390540 cutoff	56		3577.52554	2405.83968	32.8%
171 3828s					
1363518 390542 cutoff	44		3577.52554	2407.94069	32.7%
171 3831s					
1364458 390683 3245.08984	56	1173	3577.52554	2408.63342	32.7%
171 3835s					
1365650 390866 2864.84531	51	1860	3577.52554	2408.76112	32.7%
171 3840s					
1367931 391277 3013.25059	62	873	3577.52554	2409.17534	32.7%
171 3847s					
1369461 391568 cutoff	44		3577.52554	2409.83157	32.6%
171 3851s					
1370610 392033 2619.60216	43	1244	3577.52554	2410.33161	32.6%
171 3855s					
1373039 392208 2728.33514	47	1453	3577.52554	2411.66147	32.6%
171 3860s					
1373890 392355 2412.00000	48	1383	3577.52554	2411.98607	32.6%
171 3865s					
1375884 392504 3163.13462	57	1984	3577.52554	2412.41421	32.6%
171 3870s					
1377047 392831 2421.44320	48	941	3577.52554	2413.00123	32.6%
171 3875s					
1379163 393293 3249.16374	54	494	3577.52554	2413.84235	32.5%
171 3881s					
1380540 393480 infeasible	54		3577.52554	2414.60678	32.5%
171 3886s					
1382632 393671 infeasible	63		3577.52554	2415.00923	32.5%
171 3891s					
1383817 393969 3072.34220	57	1713	3577.52554	2415.13973	32.5%
171 3895s					
1386024 394089 cutoff	51		3577.52554	2416.36993	32.5%
171 3901s					
1387172 394583 2552.31145	50	2370	3577.52554	2416.61583	32.5%
171 3905s					
1389217 394939 3095.36091	54	1788	3577.52554	2417.72942	32.4%
171 3911s					
1390343 396169 3368.84430	57	417	3577.52554	2417.89480	32.4%
171 3927s					
1397364 396169 infeasible	48		3577.52554	2419.81842	32.4%
171 3930s					
1398329 396524 cutoff	54		3577.52554	2419.98521	32.4%
171 3936s					
1399426 396675 2694.86896	60	956	3577.52554	2420.37886	32.3%
171 3940s					
1402389 397045 3494.79705	46	2050	3577.52554	2421.10890	32.3%
171 3946s					
1403427 397443 cutoff	53		3577.52554	2421.56841	32.3%
171 3950s					
1405448 397658 infeasible	66		3577.52554	2422.11356	32.3%
171 3955s					

1405744 398203 3216.71190	57	318	3577.52554	2422.15596	32.3%
171 3962s					
1409530 398205 cutoff	51		3577.52554	2423.18377	32.3%
171 3965s					
1409691 398448 2462.36144	51	929	3577.52554	2423.18377	32.3%
171 3970s					
1411754 398642 3550.12293	51	885	3577.52554	2425.12229	32.2%
171 3975s					
1414192 399241 3096.45871	59	692	3577.52554	2425.70808	32.2%
171 3981s					
1416161 399378 cutoff	54		3577.52554	2426.30094	32.2%
171 3985s					
1418038 399672 3305.49904	59	871	3577.52554	2427.06549	32.2%
171 3991s					
1419252 400383 3037.85060	50	836	3577.52554	2427.39101	32.1%
171 3995s					
1421142 401478 3186.76176	56	1680	3577.52554	2427.39101	32.1%
171 4004s					
1424323 401483 3186.76176	60	2273	3577.52554	2427.39101	32.1%
171 4006s					
1425684 402414 3247.93183	78	1440	3577.52554	2427.82565	32.1%
171 4010s					
1428554 403107 2556.54356	60	1726	3577.52554	2427.82565	32.1%
171 4016s					
1430167 404200 3440.80048	81	1495	3577.52554	2427.82565	32.1%
171 4020s					
1432720 405039 cutoff	66		3577.52554	2427.82565	32.1%
171 4025s					
1434881 405534 3301.18303	60	1704	3577.52554	2427.82565	32.1%
171 4030s					
1437620 406858 2938.44656	71	1434	3577.52554	2428.23986	32.1%
171 4035s					
1440694 408111 3010.75137	60	667	3577.52554	2428.23986	32.1%
170 4041s					
1442233 408383 3436.42904	72	324	3577.52554	2428.23986	32.1%
170 4045s					
1444978 409602 cutoff	68		3577.52554	2428.52530	32.1%
170 4050s					
1446841 409933 cutoff	56		3577.52554	2428.65408	32.1%
170 4055s					
1448948 410636 2661.83588	55	1244	3577.52554	2428.89019	32.1%
170 4060s					
1450566 412181 2737.28713	44	1479	3577.52554	2429.30838	32.1%
170 4079s					
1458574 412170 cutoff	49		3577.52554	2432.01537	32.0%
170 4081s					
1458705 412284 cutoff	48		3577.52554	2432.04511	32.0%
170 4086s					
1460509 412646 cutoff	58		3577.52554	2432.77078	32.0%
170 4091s					
1461350 412817 3418.12232	43	2160	3577.52554	2433.11639	32.0%
170 4095s					
1464480 413809 cutoff	41		3577.52554	2433.63305	32.0%
170 4102s					

1466146 414286	infeasible	71		3577.52554	2433.64589	32.0%
170 4106s						
1466306 416710	2769.80692	66	802	3577.52554	2433.64589	32.0%
170 4121s						
1474340 416726	2677.74757	55	1151	3577.52554	2434.28002	32.0%
170 4127s						
1475382 417137	cutoff	67		3577.52554	2434.40325	32.0%
170 4131s						
1478311 417761	cutoff	63		3577.52554	2435.26106	31.9%
170 4136s						
1480682 418790	3106.99468	49	2183	3577.52554	2435.62888	31.9%
170 4142s						
1481845 419694	3409.40922	71	1185	3577.52554	2435.67528	31.9%
169 4146s						
1484201 420127	2931.33713	51	894	3577.52554	2435.67528	31.9%
169 4150s						
1486612 421309	3545.01077	56	564	3577.52554	2435.67528	31.9%
169 4156s						
1490856 423037	3011.27644	61	446	3577.52554	2435.69571	31.9%
169 4161s						
1492093 423290	2822.34810	60	809	3577.52554	2435.69571	31.9%
169 4166s						
1494856 424051	3206.68138	57	1176	3577.52554	2435.84685	31.9%
169 4170s						
1497407 424582	3319.09183	52	1440	3577.52554	2436.03362	31.9%
169 4176s						
1498762 425212	cutoff	59		3577.52554	2436.08949	31.9%
169 4180s						
1502083 427163	3022.33210	64	538	3577.52554	2436.10992	31.9%
169 4186s						
1503606 427711	2436.67528	46	811	3577.52554	2436.10992	31.9%
169 4190s						
1507264 428779	3017.64749	55	1644	3577.52554	2436.26106	31.9%
168 4196s						
1508340 429543	3281.86097	57	784	3577.52554	2436.26106	31.9%
168 4200s						
1512367 430656	2437.69571	60	887	3577.52554	2436.28149	31.9%
168 4206s						
1514571 431544	2678.18221	57	1135	3577.52554	2436.28149	31.9%
168 4211s						
1516756 432434	2436.34217	56	701	3577.52554	2436.28149	31.9%
168 4215s						
1518541 433179	3295.48780	73	986	3577.52554	2436.52413	31.9%
168 4221s						
1520017 433725	3392.89472	50	1314	3577.52554	2436.55884	31.9%
168 4225s						
1522337 434775	2995.52415	67	1715	3577.52554	2436.67528	31.9%
168 4231s						
1524844 436239	2923.06487	67	1515	3577.52554	2436.69571	31.9%
168 4236s						
1527110 436584	2711.31481	61	1229	3577.52554	2436.69571	31.9%
168 4240s						
1529827 437518	3057.72193	56	772	3577.52554	2436.69571	31.9%
168 4246s						

1531938 438217 2670.31320	54	404	3577.52554	2436.99848	31.9%
167 4250s					
1534427 439229 3264.95103	56	840	3577.52554	2437.10992	31.9%
167 4256s					
1536422 439825 cutoff	60		3577.52554	2437.10992	31.9%
167 4261s					
1538132 440275 3267.26866	48	1788	3577.52554	2437.45289	31.9%
167 4265s					
1540206 440637 3422.82019	50	2033	3577.52554	2437.52413	31.9%
167 4270s					
1540261 442619 3039.75537	73	382	3577.52554	2437.54872	31.9%
167 4284s					
1548269 442613 cutoff	57		3577.52554	2438.33591	31.8%
167 4287s					
1548318 442620 3130.07673	51	627	3577.52554	2438.49923	31.8%
167 4291s					
1549190 442867 2773.00332	58	2182	3577.52554	2439.38373	31.8%
167 4295s					
1551386 443962 cutoff	63		3577.52554	2439.44488	31.8%
167 4300s					
1553565 445068 3324.88907	63	304	3577.52554	2439.83784	31.8%
167 4305s					
1556466 445632 3303.53276	51	1582	3577.52554	2439.83784	31.8%
167 4310s					
1558594 447013 3242.87939	58	1624	3577.52554	2440.25728	31.8%
167 4315s					
1560304 447360 3053.19101	61	520	3577.52554	2440.53911	31.8%
167 4320s					
1562795 448035 3299.20521	51	1309	3577.52554	2441.27330	31.8%
167 4326s					
1565666 448460 infeasible	65		3577.52554	2441.85909	31.7%
167 4331s					
1567414 449014 2443.71691	63	1035	3577.52554	2442.28443	31.7%
166 4336s					
1568240 449226 3191.95454	59	430	3577.52554	2442.59538	31.7%
166 4340s					
1570374 449738 3206.16345	51	1257	3577.52554	2442.98384	31.7%
166 4346s					
1570637 451051 3514.20974	52	532	3577.52554	2442.98384	31.7%
166 4355s					
1575708 451496 infeasible	57		3577.52554	2443.49864	31.7%
166 4361s					
1577896 452228 2666.41266	59	226	3577.52554	2443.85741	31.7%
166 4365s					
1580653 452693 cutoff	64		3577.52554	2444.22018	31.7%
166 4371s					
1582762 453005 cutoff	45		3577.52554	2444.92532	31.7%
166 4376s					
1584562 453187 3112.48607	66	828	3577.52554	2445.41544	31.6%
166 4381s					
1585339 454899 infeasible	59		3577.52554	2445.68137	31.6%
166 4399s					
1593347 454901 infeasible	52		3577.52554	2447.22663	31.6%
166 4403s					

1593383 454922	infeasible	51		3577.52554	2447.22663	31.6%
166 4405s						
1595297 456011	3068.37106	49	994	3577.52554	2447.64084	31.6%
166 4410s						
1597958 456796	cutoff	71		3577.52554	2447.68747	31.6%
166 4416s						
1600015 457543	infeasible	80		3577.52554	2448.01568	31.6%
166 4420s						
1602584 458272	3269.78192	58	1189	3577.52554	2448.29369	31.6%
166 4425s						
1606259 459264	cutoff	55		3577.52554	2449.22663	31.5%
166 4431s						
1608132 459671	3416.71287	43	2336	3577.52554	2449.29560	31.5%
166 4436s						
1609765 459794	cutoff	47		3577.52554	2449.67280	31.5%
166 4440s						
1611474 460550	2950.30548	71	1057	3577.52554	2450.15765	31.5%
166 4445s						
1613340 460848	3084.02074	46	784	3577.52554	2450.60739	31.5%
166 4450s						
1614814 461651	2450.85389	51	755	3577.52554	2450.60739	31.5%
166 4455s						
1617348 462261	2652.24748	44	2154	3577.52554	2451.02161	31.5%
166 4460s						
1619471 463124	2945.98715	58	749	3577.52554	2451.26811	31.5%
165 4466s						
1621400 463901	cutoff	55		3577.52554	2451.26811	31.5%
165 4470s						
1623668 464726	2751.06161	55	1158	3577.52554	2451.43968	31.5%
165 4475s						
1625657 465375	2592.25743	52	1393	3577.52554	2451.58647	31.5%
165 4481s						
1628039 465832	cutoff	72		3577.52554	2451.68232	31.5%
165 4485s						
1630343 467290	2694.51955	48	1632	3577.52554	2451.85389	31.5%
165 4492s						
1632081 467307	3520.69865	60	791	3577.52554	2451.85389	31.5%
165 4495s						
1633943 468227	cutoff	55		3577.52554	2451.90451	31.5%
165 4500s						
1635817 468901	3113.23917	79	195	3577.52554	2452.22871	31.5%
165 4506s						
1638838 469610	3343.24655	50	903	3577.52554	2452.43878	31.4%
165 4511s						
1640185 470058	cutoff	54		3577.52554	2452.78593	31.4%
165 4516s						
1641012 470141	3247.04207	62	936	3577.52554	2453.10680	31.4%
165 4520s						
1643314 470336	infeasible	52		3577.52554	2454.02129	31.4%
165 4525s						
1644824 470714	2830.91519	55	403	3577.52554	2454.65794	31.4%
165 4531s						
1645197 471947	3196.06208	52	1209	3577.52554	2454.78892	31.4%
165 4538s						

1649229 471942	cutoff	71	3577.52554	2455.00923	31.4%
165 4541s					
1650157 472272	cutoff	65	3577.52554	2455.80522	31.4%
165 4545s					
1652347 472915 3042.32853		69 289	3577.52554	2456.40488	31.3%
165 4551s					
1655318 473580	cutoff	81	3577.52554	2457.85613	31.3%
165 4556s					
1656836 474670 2457.85613		58 556	3577.52554	2457.85613	31.3%
165 4560s					
1659305 475125 2585.01969		51 1121	3577.52554	2457.85613	31.3%
165 4566s					
1659385 477464 2758.58171		54 734	3577.52554	2457.85613	31.3%
165 4578s					
1667393 477467 infeasible		58	3577.52554	2457.99618	31.3%
165 4580s					
1669681 478299	cutoff	58	3577.52554	2458.27034	31.3%
164 4586s					
1671278 479170 3325.92904		66 424	3577.52554	2458.27034	31.3%
164 4590s					
1674891 480505 3483.40516		59 1499	3577.52554	2458.27034	31.3%
164 4597s					
1677325 480703 2996.40504		64 852	3577.52554	2458.31998	31.3%
164 4601s					
1679384 481386	cutoff	78	3577.52554	2458.68456	31.3%
164 4606s					
1681783 482569 2991.05898		70 498	3577.52554	2458.68456	31.3%
164 4611s					
1684100 483056 2987.98013		54 1094	3577.52554	2458.85613	31.3%
164 4616s					
1685820 483444 3476.56731		56 1235	3577.52554	2459.17836	31.3%
164 4621s					
1687454 483610 2483.20922		53 2505	3577.52554	2459.38586	31.3%
164 4625s					
1690178 484540 2911.26111		60 523	3577.52554	2459.92720	31.2%
164 4632s					
1691410 484629	cutoff	41	3577.52554	2460.27154	31.2%
164 4636s					
1693172 484855	cutoff	70	3577.52554	2460.60844	31.2%
164 4640s					
1695408 485523	cutoff	53	3577.52554	2461.23680	31.2%
164 4646s					
1696597 485722 3384.52053		65 1732	3577.52554	2461.56202	31.2%
164 4651s					
1699432 486072 infeasible		48	3577.52554	2462.70364	31.2%
164 4656s					
1701819 486801	cutoff	49	3577.52554	2463.22994	31.1%
164 4661s					
1703248 487129	cutoff	37	3577.52554	2463.43167	31.1%
164 4665s					
1705631 488197 2762.24450		48 2560	3577.52554	2463.82669	31.1%
164 4672s					
1707204 488206 3437.61091		49 1465	3577.52554	2464.08949	31.1%
164 4676s					

1708933 488758	cutoff	59		3577.52554	2464.56239	31.1%
164 4680s						
1710947 488959 3468.95072		78	230	3577.52554	2465.07186	31.1%
164 4685s						
1713269 489787 2715.77391		52	1259	3577.52554	2465.72619	31.1%
163 4691s						
1715918 490964	cutoff	57		3577.52554	2465.72619	31.1%
163 4696s						
1718636 491753 3333.28185		70	640	3577.52554	2466.14040	31.1%
163 4701s						
1720038 492242 3048.03607		47	338	3577.52554	2466.14040	31.1%
163 4705s						
1723015 493004 2672.44569		66	642	3577.52554	2466.19066	31.1%
163 4710s						
1725674 494302	cutoff	63		3577.52554	2466.31198	31.1%
163 4716s						
1729010 495073	cutoff	66		3577.52554	2466.55462	31.1%
163 4721s						
1731675 495871	cutoff	75		3577.52554	2466.72619	31.0%
163 4725s						
1734172 496589 3034.51936		70	1262	3577.52554	2466.72619	31.0%
163 4730s						
1735654 497572 3178.49531		60	475	3577.52554	2466.94888	31.0%
163 4736s						
1738644 498307	infeasible	70		3577.52554	2467.14040	31.0%
163 4740s						
1740360 498818 2903.34636		48	1677	3577.52554	2467.29197	31.0%
162 4745s						
1742670 499206 2637.33131		64	296	3577.52554	2467.65403	31.0%
162 4751s						
1744687 499931	cutoff	51		3577.52554	2468.18395	31.0%
162 4755s						
1746309 500290 2589.45540		48	2010	3577.52554	2468.46421	31.0%
162 4760s						
1748104 500727	cutoff	43		3577.52554	2469.10305	31.0%
162 4766s						
1749497 501092 2992.30579		40	330	3577.52554	2469.16147	31.0%
162 4771s						
1751912 501462 3071.85131		35	877	3577.52554	2469.16147	31.0%
162 4777s						
1751998 501807 2476.99600		36	1063	3577.52554	2469.16147	31.0%
162 4780s						
1754232 502575 3146.79867		38	1653	3577.52554	2469.16147	31.0%
163 4785s						
1755751 503069 3555.78294		68	1219	3577.52554	2469.16336	31.0%
163 4791s						
1758749 503790 2703.70594		49	1202	3577.52554	2469.42269	31.0%
162 4796s						
1759740 504122 2469.44314		45	198	3577.52554	2469.44314	31.0%
163 4802s						
1760933 504561	cutoff	48		3577.52554	2469.44314	31.0%
163 4805s						
1763802 504996	cutoff	52		3577.52554	2469.45411	31.0%
163 4810s						

1765093 505681 2476.41021	37	595	3577.52554	2469.57569	31.0%
163 4816s					
1767950 506197 cutoff	52		3577.52554	2469.67528	31.0%
163 4821s					
1770006 507038 2991.51207	51	865	3577.52554	2469.67528	31.0%
162 4826s					
1771814 507259 3079.63117	63	699	3577.52554	2469.67528	31.0%
162 4830s					
1773902 508018 cutoff	61		3577.52554	2469.69571	31.0%
162 4835s					
1775793 508466 3325.09617	60	681	3577.52554	2469.86832	31.0%
162 4840s					
1778393 509304 3539.78624	60	881	3577.52554	2470.08949	31.0%
162 4846s					
1779622 510133 3563.99199	47	724	3577.52554	2470.10992	31.0%
162 4851s					
1782030 510687 2470.18466	52	1277	3577.52554	2470.18466	31.0%
162 4855s					
1784820 511364 2952.57622	63	440	3577.52554	2470.52413	30.9%
162 4861s					
1786739 512137 3198.66222	60	808	3577.52554	2470.86354	30.9%
162 4866s					
1788687 512540 2958.57556	54	1394	3577.52554	2471.38426	30.9%
162 4871s					
1790531 512707 2858.86461	48	1179	3577.52554	2471.97710	30.9%
162 4876s					
1791960 513193 3285.79197	56	1438	3577.52554	2472.28445	30.9%
162 4881s					
1793046 513336 3388.27664	48	684	3577.52554	2472.36145	30.9%
162 4885s					
1794690 513832 infeasible	52		3577.52554	2472.77566	30.9%
162 4893s					
1795816 514282 3465.47633	50	1827	3577.52554	2473.15932	30.9%
162 4896s					
1797609 514540 2891.65179	53	2355	3577.52554	2473.59067	30.9%
162 4901s					
1800953 515155 cutoff	59		3577.52554	2474.32698	30.8%
162 4906s					
1802245 515739 cutoff	65		3577.52554	2474.32698	30.8%
162 4910s					
1804311 516256 cutoff	73		3577.52554	2474.83889	30.8%
162 4916s					
1806103 516749 infeasible	66		3577.52554	2475.47427	30.8%
162 4920s					
1808476 517645 3445.86950	54	1311	3577.52554	2475.88848	30.8%
162 4926s					
1809977 518299 2586.92467	54	1069	3577.52554	2475.90891	30.8%
162 4930s					
1812080 518627 cutoff	60		3577.52554	2475.93016	30.8%
162 4935s					
1814595 519402 3258.16479	46	368	3577.52554	2475.99600	30.8%
162 4942s					
1817092 520082 cutoff	60		3577.52554	2475.99600	30.8%
162 4946s					



1818250	520368	3399.38156	56	486	3577.52554	2475.99600	30.8%
162 4950s							
1820595	521060	3385.36597	63	836	3577.52554	2475.99600	30.8%
162 4955s							
1822682	521377	cutoff	58		3577.52554	2475.99600	30.8%
162 4960s							
1825004	522315	2475.99600	49	1400	3577.52554	2475.99600	30.8%
162 4967s							
1826015	522320	cutoff	48		3577.52554	2475.99600	30.8%
162 4971s							
1827488	523041	3140.90656	44	1077	3577.52554	2475.99600	30.8%
162 4976s							
1829620	523360	3315.20833	59	1873	3577.52554	2475.99600	30.8%
162 4981s							
1830762	523913	3177.70089	54	1840	3577.52554	2475.99600	30.8%
162 4985s							
1832138	524516	2959.39810	57	1566	3577.52554	2475.99600	30.8%
162 4990s							
1834048	525388	2900.96605	60	957	3577.52554	2476.32312	30.8%
162 4995s							
1837280	525787	3330.83567	51	774	3577.52554	2476.41021	30.8%
162 5000s							
1838513	526435	3408.66509	60	1110	3577.52554	2476.41021	30.8%
162 5005s							
1840999	526813	cutoff	62		3577.52554	2476.41021	30.8%
162 5010s							
1843346	527789	3289.21914	56	933	3577.52554	2476.41021	30.8%
162 5016s							
1844718	528083	cutoff	48		3577.52554	2476.41021	30.8%
162 5021s							
1846905	528728	3316.15591	60	319	3577.52554	2476.51975	30.8%
162 5026s							
1848981	529376	3257.67951	52	1025	3577.52554	2476.82442	30.8%
162 5030s							
1850967	530007	3227.42733	55	1061	3577.52554	2476.86059	30.8%
162 5036s							
1853037	530226	2629.93277	53	380	3577.52554	2476.99600	30.8%
162 5041s							
1854171	530831	3120.65125	60	890	3577.52554	2476.99600	30.8%
162 5046s							
1856487	531082	cutoff	62		3577.52554	2477.31320	30.8%
162 5050s							
1858646	531435	2615.72200	45	1183	3577.52554	2477.42829	30.8%
162 5055s							
1860513	532066	3305.02806	71	178	3577.52554	2478.06834	30.7%
162 5060s							
1863147	532750	2988.97720	76	460	3577.52554	2478.32417	30.7%
162 5065s							
1864680	533321	infeasible	71		3577.52554	2478.72768	30.7%
162 5071s							
1865779	533634	3023.32853	55	863	3577.52554	2478.93832	30.7%
162 5075s							
1868328	534251	2908.50703	60	1445	3577.52554	2479.78593	30.7%
162 5080s							

1869355 536511 3046.21183	53	916	3577.52554	2480.04617	30.7%
162 5098s					
1877363 536512 cutoff	55		3577.52554	2480.68747	30.7%
162 5101s					
1878466 536979 2797.08588	62	1424	3577.52554	2481.47665	30.6%
162 5106s					
1880429 537464 2764.69988	46	2095	3577.52554	2481.72689	30.6%
162 5111s					
1882019 537727 3369.40668	68	1155	3577.52554	2481.97889	30.6%
162 5115s					
1883732 538060 cutoff	54		3577.52554	2482.21001	30.6%
162 5120s					
1883804 539863 3281.61642	49	1175	3577.52554	2482.21001	30.6%
162 5135s					
1891923 540068 2833.99665	68	1039	3577.52554	2484.09973	30.6%
162 5141s					
1892777 540290 3002.62691	60	733	3577.52554	2484.43206	30.6%
162 5145s					
1896007 541097 3238.40516	45	1278	3577.52554	2484.85389	30.5%
162 5152s					
1897064 541644 cutoff	64		3577.52554	2485.05696	30.5%
162 5156s					
1899038 542565 3065.65681	56	1175	3577.52554	2485.26811	30.5%
161 5160s					
1901594 543200 2645.53505	48	1103	3577.52554	2485.60331	30.5%
161 5165s					
1903461 543652 3048.67163	60	1350	3577.52554	2485.72619	30.5%
161 5171s					
1905465 544103 3257.84324	64	1202	3577.52554	2486.17994	30.5%
161 5175s					
1907906 544438 cutoff	44		3577.52554	2486.66903	30.5%
161 5181s					
1909697 544835 3182.88871	56	694	3577.52554	2487.07925	30.5%
161 5185s					
1911573 545301 3189.45040	49	2463	3577.52554	2487.69971	30.5%
161 5191s					
1913492 546168 3447.95733	74	500	3577.52554	2488.08180	30.5%
161 5195s					
1916088 546504 cutoff	75		3577.52554	2488.54629	30.4%
161 5200s					
1918041 546647 3143.92447	66	976	3577.52554	2488.85895	30.4%
161 5206s					
1919965 547510 infeasible	54		3577.52554	2489.33636	30.4%
161 5211s					
1922126 548193 cutoff	51		3577.52554	2489.54347	30.4%
161 5216s					
1924055 548329 cutoff	54		3577.52554	2490.05849	30.4%
161 5220s					
1926794 548922 3280.09711	48	1181	3577.52554	2491.06710	30.4%
161 5228s					
1927608 549336 infeasible	69		3577.52554	2491.27035	30.4%
161 5231s					
1929432 549731 2955.48126	47	609	3577.52554	2491.48131	30.4%
161 5236s					

1931844	550147	2492.07768	48	1666	3577.52554	2492.07768	30.3%
161	5242s						
1932958	550473	3172.16112	45	2979	3577.52554	2492.41579	30.3%
161	5246s						
1934105	550653	infeasible	54		3577.52554	2492.84068	30.3%
161	5251s						
1936009	550974	infeasible	60		3577.52554	2492.88138	30.3%
161	5256s						
1937127	551222	infeasible	53		3577.52554	2493.29560	30.3%
161	5261s						
1939315	551426	infeasible	41		3577.52554	2493.30141	30.3%
161	5266s						
1940152	551767	2493.55064	45	2794	3577.52554	2493.55064	30.3%
161	5270s						
1942079	552036	cutoff	49		3577.52554	2494.16986	30.3%
161	5275s						
1943207	552546	2995.97763	70	343	3577.52554	2494.42850	30.3%
161	5280s						
1945674	552776	2901.18813	61	433	3577.52554	2494.68773	30.3%
161	5286s						
1946984	553351	3043.18492	52	537	3577.52554	2495.12107	30.3%
161	5291s						
1948566	553785	cutoff	62		3577.52554	2495.42363	30.2%
161	5295s						
1951021	554211	2696.61472	61	392	3577.52554	2495.93365	30.2%
161	5301s						
1952120	554488	3226.14189	65	825	3577.52554	2496.28600	30.2%
161	5305s						
1955145	555049	3326.91517	53	854	3577.52554	2496.95231	30.2%
161	5310s						
1957172	555595	3461.32940	56	1248	3577.52554	2497.48336	30.2%
161	5316s						
1959567	555934	cutoff	60		3577.52554	2497.79970	30.2%
161	5321s						
1961657	556682	2824.71303	59	1026	3577.52554	2498.14127	30.2%
161	5326s						
1962542	556911	3419.17548	56	1293	3577.52554	2498.14127	30.2%
161	5330s						
1964316	557244	3172.68335	49	864	3577.52554	2499.02485	30.1%
161	5335s						
1967095	557791	cutoff	49		3577.52554	2500.14040	30.1%
161	5341s						
1968479	558167	cutoff	54		3577.52554	2500.44826	30.1%
161	5346s						
1969342	558308	3002.71406	59	2245	3577.52554	2500.62292	30.1%
161	5350s						
1971647	558816	3171.62248	58	1174	3577.52554	2501.26114	30.1%
161	5355s						
1972620	559173	3319.00534	60	1076	3577.52554	2501.32691	30.1%
161	5360s						
1975048	559517	2778.10762	60	1431	3577.52554	2502.07651	30.1%
161	5366s						
1976344	559822	3394.58997	48	1656	3577.52554	2502.42863	30.1%
161	5371s						

1978184 560007 2700.63492	46	379	3577.52554	2502.61589	30.0%
161 5375s					
1980050 560516 3014.45780	52	1637	3577.52554	2503.54175	30.0%
161 5381s					
1981143 560901 3428.49796	55	2339	3577.52554	2503.96213	30.0%
161 5385s					
1983681 561364 infeasible	65		3577.52554	2504.06515	30.0%
161 5390s					
1985643 561766 cutoff	59		3577.52554	2504.47936	30.0%
161 5396s					
1987892 562328 infeasible	60		3577.52554	2505.06515	30.0%
161 5402s					
1989204 562584 2992.76252	61	1318	3577.52554	2505.55000	30.0%
161 5406s					
1992084 563173 cutoff	74		3577.52554	2506.35361	29.9%
161 5412s					
1993133 563741 3552.08160	62	346	3577.52554	2506.35361	29.9%
161 5415s					
1996055 564106 infeasible	65		3577.52554	2507.29913	29.9%
161 5420s					
1997700 564556 2822.98852	52	1204	3577.52554	2507.78016	29.9%
161 5425s					
1999483 564897 2533.36528	44	2495	3577.52554	2508.27342	29.9%
161 5431s					
2001931 565127 3045.64177	53	1260	3577.52554	2508.91216	29.9%
161 5436s					
2002818 565593 3382.86723	59	1062	3577.52554	2509.00000	29.9%
161 5440s					
2005104 565836 2833.83917	56	545	3577.52554	2509.67528	29.8%
161 5445s					
2006576 566124 2599.44377	57	2029	3577.52554	2510.55705	29.8%
161 5450s					
2009126 566403 3405.64666	60	1052	3577.52554	2511.45907	29.8%
161 5456s					
2011156 566772 3441.04535	51	2832	3577.52554	2512.13613	29.8%
161 5462s					
2012077 567148 cutoff	61		3577.52554	2512.49574	29.8%
161 5466s					
2014122 567286 3112.52135	56	733	3577.52554	2512.96107	29.8%
161 5470s					
2015983 567954 infeasible	51		3577.52554	2513.46822	29.7%
161 5475s					
2018203 568822 infeasible	52		3577.52554	2514.23362	29.7%
161 5482s					
2019901 569237 2998.49447	54	1674	3577.52554	2514.31075	29.7%
161 5485s					
2021927 569641 cutoff	56		3577.52554	2514.75738	29.7%
161 5491s					
2023821 569818 cutoff	62		3577.52554	2515.07288	29.7%
161 5495s					
2026031 570503 infeasible	65		3577.52554	2515.60603	29.7%
161 5500s					
2027631 570653 infeasible	59		3577.52554	2516.18290	29.7%
161 5505s					

2029297	571003	2969.58295	52	1326	3577.52554	2516.42554	29.7%
161	5510s						
2032023	571323	cutoff	48		3577.52554	2517.21024	29.6%
161	5517s						
2032851	571593	2669.15196	59	1932	3577.52554	2517.56751	29.6%
161	5521s						
2034091	571815	2754.10780	61	1810	3577.52554	2517.95159	29.6%
161	5526s						
2036315	572399	2518.65135	45	1636	3577.52554	2518.63864	29.6%
161	5531s						
2037164	572541	infeasible	52		3577.52554	2518.65135	29.6%
161	5536s						
2039045	572882	3017.21540	53	888	3577.52554	2519.48131	29.6%
161	5540s						
2041438	573601	infeasible	53		3577.52554	2519.64783	29.6%
161	5546s						
2043648	574376	2692.84603	64	910	3577.52554	2519.88138	29.6%
161	5551s						
2044663	574556	2829.59572	58	1099	3577.52554	2520.29560	29.6%
161	5556s						
2046685	574762	3537.05418	59	209	3577.52554	2521.23398	29.5%
161	5560s						
2048642	575310	2547.80732	44	1637	3577.52554	2522.37828	29.5%
161	5567s						
2049868	575461	cutoff	59		3577.52554	2522.75945	29.5%
161	5571s						
2051083	575811	3575.80815	58	702	3577.52554	2523.20224	29.5%
161	5576s						
2052574	576184	3112.04159	62	1214	3577.52554	2523.54609	29.5%
161	5581s						
2054833	576579	cutoff	66		3577.52554	2524.18488	29.4%
161	5585s						
2056959	577002	infeasible	48		3577.52554	2524.82910	29.4%
161	5591s						
2059481	577396	3126.91389	71	424	3577.52554	2525.45411	29.4%
161	5596s						
2059694	577636	3156.87150	68	709	3577.52554	2525.49841	29.4%
160	5600s						
2062833	577809	cutoff	40		3577.52554	2526.55044	29.4%
160	5607s						
2062960	579850	3018.36100	56	1266	3577.52554	2526.71991	29.4%
160	5621s						
2071008	579853	2732.46403	57	746	3577.52554	2527.80226	29.3%
160	5626s						
2071797	580103	cutoff	47		3577.52554	2527.83889	29.3%
160	5630s						
2073527	580396	2528.93655	49	1480	3577.52554	2528.77654	29.3%
160	5635s						
2075573	580591	2688.99913	43	651	3577.52554	2529.49488	29.3%
160	5642s						
2076383	580875	3416.78418	45	890	3577.52554	2529.80821	29.3%
160	5645s						
2077855	581096	2775.97885	56	1646	3577.52554	2530.00000	29.3%
160	5650s						

2078018 582723 2781.66506	45	2155	3577.52554	2530.08203	29.3%
160 5665s					
2086073 582730 3087.81129	53	1044	3577.52554	2531.74343	29.2%
160 5670s					
2087885 583261 3319.44286	50	1497	3577.52554	2532.98889	29.2%
160 5675s					
2089862 583517 3081.12648	42	1126	3577.52554	2533.53674	29.2%
160 5681s					
2091934 584024 3023.03921	49	688	3577.52554	2534.36738	29.2%
160 5686s					
2094194 584262 3312.87159	54	923	3577.52554	2535.00948	29.1%
160 5691s					
2096143 584725 cutoff	58		3577.52554	2535.45435	29.1%
160 5696s					
2097449 585403 3313.30624	55	718	3577.52554	2535.52117	29.1%
160 5700s					
2100517 585980 2975.39228	65	948	3577.52554	2536.08653	29.1%
160 5707s					
2101921 586639 3059.39113	54	1626	3577.52554	2536.25373	29.1%
160 5710s					
2105279 587498 2822.11421	43	1553	3577.52554	2536.32626	29.1%
160 5716s					
2106231 587970 cutoff	50		3577.52554	2536.44307	29.1%
160 5720s					
2108311 588375 3203.28925	65	688	3577.52554	2536.55671	29.1%
160 5725s					
2108461 590108 2591.97449	66	671	3577.52554	2536.55671	29.1%
160 5738s					
2116469 590110 2928.71206	69	1833	3577.52554	2537.93539	29.1%
160 5740s					
2118215 590555 3476.20901	50	1190	3577.52554	2538.48012	29.0%
160 5746s					
2119888 590945 cutoff	52		3577.52554	2539.22496	29.0%
160 5750s					
2120760 591126 3001.00240	57	699	3577.52554	2539.44281	29.0%
160 5755s					
2122531 591426 3390.10322	61	790	3577.52554	2539.99199	29.0%
160 5760s					
2123467 593009 3283.24155	46	1062	3577.52554	2540.37796	29.0%
160 5776s					
2131527 593017 2953.59154	51	562	3577.52554	2542.14682	28.9%
160 5781s					
2132565 593255 cutoff	70		3577.52554	2542.52074	28.9%
160 5785s					
2134476 593804 cutoff	61		3577.52554	2543.50896	28.9%
160 5790s					
2136286 593973 3241.20774	41	1823	3577.52554	2544.13602	28.9%
160 5795s					
2137926 594137 cutoff	52		3577.52554	2544.52784	28.9%
160 5800s					
2138124 595177 3343.64848	46	1379	3577.52554	2544.56472	28.9%
160 5812s					
2144506 595160 infeasible	54		3577.52554	2546.02042	28.8%
160 5816s					

2144792 595333	infeasible	53		3577.52554	2546.02042	28.8%
160 5820s						
2146927 595762	infeasible	48		3577.52554	2546.39820	28.8%
160 5826s						
2149143 595998	3106.75581	53	659	3577.52554	2546.95144	28.8%
160 5830s						
2150347 596141	3442.84850	59	550	3577.52554	2546.95144	28.8%
160 5835s						
2152423 596758	cutoff	59		3577.52554	2547.36565	28.8%
160 5842s						
2153828 596869	infeasible	55		3577.52554	2548.09214	28.8%
160 5845s						
2155528 597100	2621.08109	71	715	3577.52554	2548.88557	28.8%
160 5851s						
2157260 597394	cutoff	46		3577.52554	2549.35913	28.7%
160 5855s						
2159287 597770	cutoff	60		3577.52554	2549.44488	28.7%
160 5861s						
2160238 598066	2937.10868	52	1274	3577.52554	2549.76109	28.7%
160 5865s						
2162523 598508	cutoff	75		3577.52554	2550.40718	28.7%
160 5871s						
2165487 598850	3022.33210	52	1025	3577.52554	2551.03066	28.7%
160 5877s						
2166661 599367	cutoff	48		3577.52554	2551.26515	28.7%
160 5881s						
2168076 600463	3343.92251	55	340	3577.52554	2551.52099	28.7%
160 5890s						
2173005 601277	cutoff	71		3577.52554	2552.06638	28.7%
160 5895s						
2176201 602030	2793.08104	66	1423	3577.52554	2552.70476	28.6%
160 5901s						
2178366 602492	infeasible	51		3577.52554	2553.17126	28.6%
160 5907s						
2179232 602828	3388.06821	59	835	3577.52554	2553.49863	28.6%
160 5910s						
2181099 603127	infeasible	71		3577.52554	2553.98799	28.6%
160 5915s						
2182914 603516	3211.69884	41	247	3577.52554	2554.38987	28.6%
160 5921s						
2185713 603899	infeasible	59		3577.52554	2554.55457	28.6%
160 5926s						
2187043 604285	3326.91517	47	1050	3577.52554	2554.96878	28.6%
160 5930s						
2189841 605717	3277.80580	52	1417	3577.52554	2554.98921	28.6%
160 5936s						
2192063 606120	3394.28581	55	893	3577.52554	2555.14036	28.6%
160 5940s						
2194511 607567	cutoff	81		3577.52554	2555.55457	28.6%
160 5945s						
2196569 607778	cutoff	59		3577.52554	2555.66873	28.6%
160 5950s						
2198989 608467	3107.99738	59	1209	3577.52554	2555.98921	28.6%
159 5956s						

2200779 608896 3295.04531	57	358	3577.52554	2556.42799	28.5%
159 5961s					
2201568 609047 2695.66458	55	1338	3577.52554	2556.82667	28.5%
159 5965s					
2203979 609347 3266.97112	50	2447	3577.52554	2557.57403	28.5%
160 5971s					
2204755 609673 cutoff	45		3577.52554	2557.68160	28.5%
160 5975s					
2207727 610202 cutoff	58		3577.52554	2558.12615	28.5%
160 5981s					
2210046 610815 2967.73441	51	990	3577.52554	2558.51003	28.5%
159 5986s					
2211390 611087 infeasible	53		3577.52554	2558.75130	28.5%
159 5992s					
2211784 611788 3187.47641	53	283	3577.52554	2558.91327	28.5%
159 5998s					
2215092 611783 3120.14648	47	987	3577.52554	2559.68848	28.5%
159 6002s					
2215862 612037 2932.41504	51	1795	3577.52554	2559.75945	28.4%
159 6006s					
2216643 612430 3314.01082	55	1292	3577.52554	2560.42606	28.4%
160 6011s					
2218965 612791 cutoff	63		3577.52554	2560.75945	28.4%
160 6015s					
2220136 613080 3188.97806	62	871	3577.52554	2561.23800	28.4%
159 6020s					
2222450 613704 3084.89690	58	564	3577.52554	2561.54942	28.4%
159 6026s					
2224558 613972 3025.24452	43	1128	3577.52554	2561.87338	28.4%
159 6030s					
2225535 614061 3239.91770	50	1603	3577.52554	2562.59812	28.4%
159 6035s					
2227669 614237 2664.80111	45	2226	3577.52554	2563.13097	28.4%
159 6040s					
2229096 614681 3487.34455	66	579	3577.52554	2563.50573	28.3%
159 6045s					
2230883 615338 3369.56907	62	1920	3577.52554	2563.89729	28.3%
159 6051s					
2232031 615491 3334.21273	58	1755	3577.52554	2563.91995	28.3%
159 6055s					
2233830 615733 2582.61420	45	1262	3577.52554	2564.50880	28.3%
159 6069s					
2233897 615862 2582.61420	47	1254	3577.52554	2564.50880	28.3%
159 6071s					
2235545 616283 cutoff	46		3577.52554	2564.62551	28.3%
159 6075s					
2237690 616841 infeasible	61		3577.52554	2564.92302	28.3%
159 6081s					
2238657 617169 2813.90700	55	589	3577.52554	2564.97963	28.3%
160 6085s					
2241980 617581 infeasible	74		3577.52554	2565.39384	28.3%
159 6091s					
2242199 618088 3102.06821	60	475	3577.52554	2565.45393	28.3%
159 6095s					



2246754 618818 3223.42110	59	1193	3577.52554	2566.13806	28.3%
159 6101s					
2249009 619503 cutoff	48		3577.52554	2566.58719	28.3%
159 6106s					
2250759 620094 2908.10068	59	808	3577.52554	2566.58719	28.3%
159 6110s					
2252842 620556 cutoff	56		3577.52554	2566.87006	28.3%
159 6117s					
2254185 621068 2747.08780	61	271	3577.52554	2566.96587	28.2%
159 6120s					
2256560 621455 3509.20067	55	687	3577.52554	2567.13353	28.2%
159 6126s					
2256687 623528 3509.20067	55	1574	3577.52554	2567.13353	28.2%
159 6138s					
2264695 623533 2959.71479	72	808	3577.52554	2568.76364	28.2%
159 6140s					
2264883 623668 cutoff	76		3577.52554	2568.76364	28.2%
159 6145s					
2267359 624076 infeasible	53		3577.52554	2569.21319	28.2%
159 6150s					
2268928 624355 3519.30368	49	1640	3577.52554	2569.57273	28.2%
159 6155s					
2270880 625003 3458.38004	57	1081	3577.52554	2570.08653	28.2%
159 6160s					
2272249 627079 3286.39912	55	1894	3577.52554	2570.15765	28.2%
159 6171s					
2277869 627321 3250.51637	49	1541	3577.52554	2571.15146	28.1%
159 6175s					
2278729 627516 3559.25050	73	227	3577.52554	2571.64084	28.1%
159 6180s					
2282124 628014 3289.06001	56	2035	3577.52554	2572.77270	28.1%
159 6186s					
2284023 628471 cutoff	66		3577.52554	2573.14422	28.1%
159 6191s					
2286104 628793 3353.90420	50	889	3577.52554	2573.65013	28.1%
159 6196s					
2287095 629575 3285.08812	56	1899	3577.52554	2573.97598	28.1%
159 6200s					
2289618 629948 3283.60301	49	2581	3577.52554	2574.19597	28.0%
159 6206s					
2292210 630549 3348.82441	56	761	3577.52554	2574.47218	28.0%
159 6213s					
2292985 630760 infeasible	68		3577.52554	2574.69620	28.0%
159 6216s					
2294484 631244 cutoff	59		3577.52554	2574.92215	28.0%
159 6220s					
2296685 631737 2957.46264	39	2256	3577.52554	2575.39019	28.0%
159 6226s					
2297905 631937 cutoff	54		3577.52554	2575.69158	28.0%
159 6230s					
2298969 632161 3335.54406	47	967	3577.52554	2575.82146	28.0%
159 6235s					
2302109 632938 3309.90337	63	1191	3577.52554	2575.82146	28.0%
159 6242s					

2303459 632936	cutoff	63		3577.52554	2576.09145	28.0%
159 6245s						
2305607 633379	3286.97929	59	354	3577.52554	2576.23568	28.0%
159 6251s						
2306690 633859	infeasible	51		3577.52554	2576.40725	28.0%
159 6255s						
2308907 634245	2685.67323	53	1083	3577.52554	2576.40725	28.0%
159 6263s						
2308957 634511	3011.58701	55	1514	3577.52554	2576.40725	28.0%
159 6265s						
2312167 635227	infeasible	48		3577.52554	2576.82146	28.0%
159 6271s						
2313261 635440	3083.18516	63	1306	3577.52554	2576.94253	28.0%
159 6275s						
2316332 635854	2726.72071	52	691	3577.52554	2578.03497	27.9%
159 6281s						
2317417 636242	3225.45395	48	1528	3577.52554	2578.20938	27.9%
159 6286s						
2318768 636408	2970.56841	42	1555	3577.52554	2578.20938	27.9%
159 6290s						
2321099 636917	cutoff	47		3577.52554	2578.57241	27.9%
159 6295s						
2323176 637414	cutoff	52		3577.52554	2579.15255	27.9%
159 6301s						
2326368 638031	3575.49432	59	914	3577.52554	2579.63492	27.9%
159 6305s						
2328407 638611	infeasible	63		3577.52554	2579.83822	27.9%
159 6310s						
2330443 639334	2968.25680	50	1292	3577.52554	2580.17890	27.9%
158 6315s						
2332424 639722	3248.24687	58	1228	3577.52554	2581.00418	27.9%
158 6321s						
2334525 639781	2937.76897	50	1983	3577.52554	2581.46335	27.8%
158 6325s						
2336193 640337	2783.48683	49	1800	3577.52554	2581.90239	27.8%
158 6332s						
2337348 640602	3201.39517	53	741	3577.52554	2581.90239	27.8%
158 6336s						
2339485 640970	cutoff	54		3577.52554	2582.48881	27.8%
158 6340s						
2340580 641195	3233.49286	42	2444	3577.52554	2582.69954	27.8%
158 6345s						
2343687 641909	infeasible	58		3577.52554	2583.54495	27.8%
158 6351s						
2344779 642192	3123.96782	54	611	3577.52554	2583.89729	27.8%
158 6355s						
2347929 642657	3080.52911	65	470	3577.52554	2584.68301	27.8%
158 6362s						
2347979 645214	3080.52911	66	480	3577.52554	2584.79868	27.7%
158 6375s						
2356082 645582	2899.22269	66	861	3577.52554	2585.81259	27.7%
158 6380s						
2358453 646312	3007.19164	49	1356	3577.52554	2586.04431	27.7%
158 6386s						

2360560 646776 2874.63771	60	782	3577.52554	2586.07648	27.7%
158 6391s					
2362135 646989 3106.18283	55	614	3577.52554	2586.62092	27.7%
158 6395s					
2363847 647337 3449.78925	50	811	3577.52554	2586.92650	27.7%
158 6400s					
2364900 647561 2959.53228	63	1273	3577.52554	2587.09574	27.7%
158 6405s					
2367311 648001 3268.18921	56	508	3577.52554	2587.56404	27.7%
158 6410s					
2369171 648368 3183.92599	50	634	3577.52554	2587.92651	27.7%
158 6415s					
2371601 648907 3470.31407	55	462	3577.52554	2588.33935	27.7%
158 6421s					
2373901 649657 cutoff	58		3577.52554	2588.74762	27.6%
158 6425s					
2376051 650289 3187.57989	52	1016	3577.52554	2588.99183	27.6%
158 6431s					
2378707 650802 infeasible	43		3577.52554	2589.34197	27.6%
158 6435s					
2380825 651370 3052.56003	66	499	3577.52554	2589.57762	27.6%
158 6440s					
2382604 651676 2671.66992	45	2873	3577.52554	2589.76272	27.6%
158 6445s					
2384747 652636 cutoff	47		3577.52554	2590.13224	27.6%
158 6450s					
2386761 653368 3567.56213	52	919	3577.52554	2590.17694	27.6%
158 6455s					
2389812 653947 cutoff	63		3577.52554	2590.35824	27.6%
158 6460s					
2391843 654923 infeasible	48		3577.52554	2590.76272	27.6%
158 6466s					
2393392 654986 3520.70180	65	802	3577.52554	2591.00027	27.6%
158 6471s					
2394992 655549 3357.27873	46	2922	3577.52554	2591.44069	27.6%
158 6475s					
2397025 656043 2927.98712	55	650	3577.52554	2591.65260	27.6%
158 6480s					
2398846 656282 3386.24469	45	1423	3577.52554	2591.90577	27.6%
158 6485s					
2400962 656997 2992.41850	52	2085	3577.52554	2592.24300	27.5%
158 6490s					
2402741 657470 2664.87377	50	2112	3577.52554	2592.50312	27.5%
158 6496s					
2405846 658002 3494.27428	74	558	3577.52554	2593.05900	27.5%
158 6502s					
2406944 658452 cutoff	54		3577.52554	2593.26843	27.5%
158 6506s					
2408494 658619 cutoff	62		3577.52554	2593.70685	27.5%
158 6510s					
2410620 659193 3475.84707	44	1619	3577.52554	2594.32055	27.5%
158 6515s					
2411748 659435 3442.91496	68	927	3577.52554	2594.36754	27.5%
158 6520s					

2414557 660184 3106.07518 158 6525s	67 793 3577.52554 2594.88751	27.5%
2416683 660908 3543.21035 158 6531s	62 718 3577.52554 2594.92940	27.5%
2418972 661571 3368.54804 158 6535s	46 1352 3577.52554 2595.08535	27.5%
2421585 662432 2905.38434 158 6541s	66 863 3577.52554 2595.20866	27.5%
2424796 662911 2852.11710 158 6546s	61 1495 3577.52554 2595.55517	27.4%
2425842 663416 3314.72045 158 6550s	75 845 3577.52554 2595.78095	27.4%
2428042 663844 3008.71742 158 6555s	46 561 3577.52554 2596.04059	27.4%
2430046 664144 3392.80011 157 6560s	57 805 3577.52554 2596.32370	27.4%
2432021 665046 3052.76529 157 6566s	60 448 3577.52554 2596.61767	27.4%
2434729 665287 infeasible 157 6572s	56 3577.52554 2596.96483	27.4%
2435855 665728 3257.52518 157 6575s	63 335 3577.52554 2597.04597	27.4%
2438476 666003 3130.29213 157 6580s	67 1058 3577.52554 2597.21202	27.4%
2440348 666416 3164.76707 157 6585s	51 1027 3577.52554 2597.36317	27.4%
2442218 667047 cutoff 157 6591s	57 3577.52554 2597.66727	27.4%
2444435 667159 infeasible 157 6595s	71 3577.52554 2597.79781	27.4%
2446459 667538 cutoff 157 6602s	52 3577.52554 2598.04098	27.4%
2447971 667729 infeasible 157 6606s	69 3577.52554 2598.19762	27.4%
2449421 667804 2741.74275 157 6610s	45 1749 3577.52554 2598.21202	27.4%
2451426 668319 3172.80495 157 6615s	59 893 3577.52554 2598.31979	27.4%
2453944 668771 2938.33254 157 6620s	60 429 3577.52554 2598.85956	27.4%
2455846 669041 3007.93539 157 6626s	54 1149 3577.52554 2599.30274	27.3%
2458120 669377 2983.65442 157 6633s	49 997 3577.52554 2599.53615	27.3%
2458198 669613 3542.71746 157 6635s	52 721 3577.52554 2599.53615	27.3%
2460651 669821 infeasible 157 6641s	51 3577.52554 2599.73141	27.3%
2462539 670239 cutoff 157 6647s	51 3577.52554 2600.14562	27.3%
2463603 670766 2851.81060 157 6651s	52 2483 3577.52554 2600.28556	27.3%
2466160 671008 infeasible 157 6656s	70 3577.52554 2600.53227	27.3%

2466227 672655 3179.40240	59	1302	3577.52554	2600.53227	27.3%
157 6671s					
2474306 672664 cutoff	52		3577.52554	2600.74740	27.3%
157 6675s					
2476344 673319 3137.04948	54	2528	3577.52554	2601.57520	27.3%
157 6680s					
2477262 673647 3199.44826	51	1620	3577.52554	2601.92919	27.3%
157 6685s					
2480185 674014 3526.23813	51	514	3577.52554	2602.31232	27.3%
157 6690s					
2482438 674721 cutoff	60		3577.52554	2602.74535	27.2%
157 6696s					
2483511 674954 3128.93705	48	807	3577.52554	2603.04453	27.2%
157 6701s					
2485557 675187 3029.16952	45	2092	3577.52554	2603.26058	27.2%
157 6706s					
2486734 675603 3133.45948	50	2664	3577.52554	2603.44648	27.2%
157 6710s					
2488966 676157 cutoff	57		3577.52554	2603.69345	27.2%
157 6716s					
2491629 676779 2971.24390	61	1210	3577.52554	2603.90580	27.2%
157 6721s					
2494739 677354 2608.46335	61	342	3577.52554	2604.32121	27.2%
157 6726s					
2495851 677775 cutoff	47		3577.52554	2604.50015	27.2%
157 6730s					
2499148 678015 3168.97475	45	475	3577.52554	2605.01320	27.2%
157 6736s					
2500624 678314 3267.51461	52	1262	3577.52554	2605.36754	27.2%
157 6741s					
2501435 678403 3065.99998	59	1803	3577.52554	2605.44561	27.2%
157 6745s					
2504035 679141 2793.89565	61	1663	3577.52554	2606.03557	27.2%
157 6750s					
2506427 679599 cutoff	54		3577.52554	2606.28068	27.1%
157 6756s					
2508641 679899 2676.96760	49	873	3577.52554	2606.47240	27.1%
157 6760s					
2509923 680503 2840.66109	63	896	3577.52554	2606.55880	27.1%
157 6765s					
2512697 680914 cutoff	47		3577.52554	2606.93172	27.1%
157 6770s					
2515268 681965 cutoff	58		3577.52554	2607.01360	27.1%
157 6775s					
2516674 682596 cutoff	67		3577.52554	2607.06018	27.1%
157 6780s					
2519658 683238 2991.81800	65	374	3577.52554	2607.42781	27.1%
157 6786s					
2521375 683901 3103.52265	48	819	3577.52554	2607.74533	27.1%
157 6790s					
2524457 684500 cutoff	57		3577.52554	2608.05819	27.1%
157 6796s					
2526420 685394 2921.73932	59	720	3577.52554	2608.42276	27.1%
157 6802s					

2528135 685573 3416.49044	47	1072	3577.52554	2608.46335	27.1%
157 6805s					
2530935 686058 infeasible	72		3577.52554	2608.87756	27.1%
157 6810s					
2532872 686563 2908.51490	53	629	3577.52554	2609.07631	27.1%
157 6815s					
2534944 686945 2609.31566	57	2012	3577.52554	2609.30083	27.1%
157 6820s					
2536996 687532 2941.60636	58	698	3577.52554	2609.52832	27.1%
157 6825s					
2538692 688056 cutoff	68		3577.52554	2609.69506	27.1%
156 6830s					
2540403 688477 3014.27366	62	286	3577.52554	2610.17426	27.0%
156 6836s					
2543100 689191 cutoff	65		3577.52554	2610.66540	27.0%
156 6840s					
2545450 689523 infeasible	67		3577.52554	2611.45761	27.0%
156 6846s					
2546441 689698 2798.67644	53	2693	3577.52554	2611.45761	27.0%
156 6850s					
2549159 690401 cutoff	55		3577.52554	2611.88790	27.0%
156 6856s					
2550114 690658 2612.13025	56	750	3577.52554	2612.08168	27.0%
156 6860s					
2551290 690851 infeasible	62		3577.52554	2612.27937	27.0%
156 6865s					
2553484 691047 2613.37021	49	1727	3577.52554	2612.68746	27.0%
156 6870s					
2555250 691425 cutoff	64		3577.52554	2612.83384	27.0%
156 6875s					
2556144 691740 3561.46287	68	664	3577.52554	2613.07421	27.0%
156 6893s					
2557546 691788 infeasible	54		3577.52554	2613.30779	27.0%
156 6897s					
2557744 692958 3460.71646	47	579	3577.52554	2613.30779	27.0%
156 6905s					
2564230 693515 2613.50914	49	1972	3577.52554	2613.50217	26.9%
156 6911s					
2566942 693911 3390.53329	52	437	3577.52554	2613.72200	26.9%
156 6916s					
2568147 694672 3104.14863	47	2154	3577.52554	2613.77551	26.9%
156 6920s					
2570626 695197 cutoff	65		3577.52554	2613.89358	26.9%
156 6929s					
2571939 695357 3305.02300	49	2112	3577.52554	2613.89358	26.9%
156 6932s					
2572654 695803 cutoff	53		3577.52554	2613.93153	26.9%
156 6935s					
2575760 696507 3273.75428	56	914	3577.52554	2614.55457	26.9%
156 6941s					
2578216 696862 3131.12940	60	854	3577.52554	2614.84922	26.9%
156 6945s					
2580809 697680 cutoff	68		3577.52554	2615.12235	26.9%
156 6951s					

2581816 698344 2979.51127	62	1144	3577.52554	2615.30779	26.9%
156 6955s					
2585210 698848 cutoff	59		3577.52554	2615.87259	26.9%
156 6962s					
2585340 700602 2989.93887	59	2199	3577.52554	2615.96901	26.9%
156 6975s					
2593383 700625 3047.43863	50	700	3577.52554	2616.12510	26.9%
156 6980s					
2593520 700866 2692.30101	58	360	3577.52554	2616.12510	26.9%
156 6985s					
2596643 701335 infeasible	66		3577.52554	2616.12510	26.9%
156 6991s					
2597755 701599 infeasible	66		3577.52554	2616.12510	26.9%
156 6995s					
2599978 702127 infeasible	61		3577.52554	2616.12510	26.9%
156 7002s					
2601609 702128 3547.51323	60	1280	3577.52554	2616.12510	26.9%
156 7005s					
2603602 702647 cutoff	55		3577.52554	2616.43645	26.9%
156 7010s					
2605472 703105 3451.32226	72	1059	3577.52554	2616.64453	26.9%
156 7015s					
2607374 703604 cutoff	62		3577.52554	2616.99408	26.8%
156 7021s					
2609616 704004 3443.99346	59	1210	3577.52554	2617.26305	26.8%
156 7025s					
2612426 704604 3030.09847	69	1240	3577.52554	2617.70713	26.8%
156 7030s					
2614563 705556 3483.73093	57	586	3577.52554	2617.95754	26.8%
156 7037s					
2616561 705869 cutoff	60		3577.52554	2618.12134	26.8%
156 7040s					
2619417 706368 3214.00584	69	1280	3577.52554	2618.27244	26.8%
156 7046s					
2621058 706698 2618.56003	41	440	3577.52554	2618.56003	26.8%
156 7050s					
2623581 707080 3480.65588	50	1363	3577.52554	2618.72446	26.8%
156 7055s					
2625750 707485 2929.27009	70	451	3577.52554	2619.02579	26.8%
156 7060s					
2627995 708103 3152.96077	64	561	3577.52554	2619.37245	26.8%
156 7065s					
2629507 709856 2619.43881	59	893	3577.52554	2619.43881	26.8%
156 7083s					
2637515 709850 3394.25599	58	609	3577.52554	2619.95368	26.8%
155 7086s					
2637608 709977 3096.27540	57	351	3577.52554	2619.97277	26.8%
155 7091s					
2639157 710459 infeasible	63		3577.52554	2620.13398	26.8%
155 7095s					
2641690 711009 3277.29549	64	1192	3577.52554	2620.24682	26.8%
155 7101s					
2642766 711333 3081.72907	64	1405	3577.52554	2620.32702	26.8%
155 7106s					

2644851	711827	2942.64625	73	434	3577.52554	2620.43881	26.8%
155	7111s						
2646581	712128	infeasible	56		3577.52554	2620.65448	26.7%
155	7115s						
2649902	712761	2802.49005	49	1860	3577.52554	2620.78820	26.7%
155	7121s						
2651884	713180	3553.50903	55	1438	3577.52554	2620.89504	26.7%
155	7126s						
2654196	713688	cutoff	80		3577.52554	2621.08109	26.7%
155	7131s						
2655304	713933	2669.71996	55	925	3577.52554	2621.27749	26.7%
155	7135s						
2659231	714637	infeasible	58		3577.52554	2621.80570	26.7%
155	7142s						
2659279	714972	2979.46100	69	767	3577.52554	2621.85073	26.7%
155	7145s						
2660800	715236	2980.55517	53	1135	3577.52554	2622.00000	26.7%
155	7150s						
2665461	715880	cutoff	52		3577.52554	2622.45620	26.7%
155	7156s						
2666708	716307	cutoff	45		3577.52554	2622.52727	26.7%
155	7160s						
2669774	716664	2867.90682	45	800	3577.52554	2622.98449	26.7%
155	7165s						
2672520	717479	cutoff	65		3577.52554	2623.17694	26.7%
155	7172s						
2673623	718093	3292.13326	57	314	3577.52554	2623.28846	26.7%
155	7175s						
2675259	719230	3214.47575	48	1518	3577.52554	2623.40848	26.7%
155	7185s						
2679248	719237	2931.23747	56	1934	3577.52554	2623.64532	26.7%
155	7190s						
2681846	719776	cutoff	70		3577.52554	2623.99008	26.7%
155	7196s						
2684186	720247	2780.19423	58	683	3577.52554	2624.40201	26.6%
155	7200s						

Cutting planes:

Learned: 65

Gomory: 35

Cover: 702

Implied bound: 2166

Projected implied bound: 36

Clique: 2602

MIR: 157

StrongCG: 16

Flow cover: 768

Zero half: 16

RLT: 61

Relax-and-lift: 575

BQP: 46

PSD: 42

Explored 2684197 nodes (416204465 simplex iterations) in 7200.03



seconds (10961.37 work units)  
Thread count was 8 (of 8 available processors)

Solution count 10: 3577.53 3577.53 3577.53 ... 4433.45

Time limit reached

Best objective 3.577525536626e+03, best bound 2.624402013649e+03,  
gap 26.6420%

Warning: general constraint name "dvs\_woDetour:v0->R704.2\_absX" has  
a colon

Optimization was stopped with status 9

busMIN= 1479

busDIFF= 669

branchMIN= 345

branchDIFF=329

vp0=(883, 1537).

Master:

VM:detour\_q:0|| VM\_dist\_cqs:[0 0]||

detour\_q:0|| dvv\_cqs:[816 106]||

o1 -451 461 1455 1992|| nonL:[1 0 1 1]|| dir\_qs:[0 0 1 0]|| rel\_qs:  
[0 0 0 0]|| relD\_qs:[0 1 0 0]|| \_sum\_tL:0|| \_sum\_tR:0|| \_sum\_bL:0||  
\_sum\_bR:0||

o2 -39 461 1400 2352|| nonL:[1 0 1 1]|| dir\_qs:[0 0 1 0]|| rel\_qs:[0  
0 0 0]|| relD\_qs:[0 1 0 0]|| \_sum\_tL:0|| \_sum\_tR:0|| \_sum\_bL:0||  
\_sum\_bR:0||

vp0=(883, 1537)->R704.2:(976, 1228)

d\_v->CorrS= [93.0 216.0]|| || d\_vi\_sj = [93.0 216.0]||

aux\_vsDist\_cqs=[93.0 309.0 93.0 216.0 -93.0 309.0 -216.0]:

347.5218613006979

vs\_detour\_q:0|| R704.2

o1\_dir:[0, 0, 1, 0, 1, 0, 1, 0]|| \_rel:[0, 0, 0, 1, 0, 0, 0, 0]||  
\_vs\_sum\_tL:0|| \_vs\_sum\_tR:0|| \_vs\_sum\_bL:0|| \_vs\_sum\_bR:2||

o2\_dir:[0, 0, 1, 0, 1, 0, 1, 0]|| \_rel:[0, 0, 0, 1, 0, 0, 0, 0]||  
\_vs\_sum\_tL:0|| \_vs\_sum\_tR:0|| \_vs\_sum\_bL:0|| \_vs\_sum\_bR:2||

vp0->Slave Relevant AAAAAAAAAAAAAAAAAAAAAAAAAAAAA

vp1=(-39, 2353).

detour\_q:0|| dvv\_cqs:[177 0]||

o1 -451 461 1455 1992|| nonL:[1 1 0 1]|| dir\_qs:[0 0 0 0]|| rel\_qs:  
[0 0 0 0]|| relD\_qs:[0 0 1 0]|| \_sum\_tL:0|| \_sum\_tR:0|| \_sum\_bL:0||  
\_sum\_bR:0||

o2 -39 461 1400 2352|| nonL:[1 1 0 1]|| dir\_qs:[1 0 0 0]|| rel\_qs:[0  
0 0 0]|| relD\_qs:[0 0 1 0]|| \_sum\_tL:0|| \_sum\_tR:0|| \_sum\_bL:0||  
\_sum\_bR:0||

vp1=(-39, 2353)->R2912.2:(-140, 2385)

d\_v->CorrS= [32.0 69.0]|| || d\_vi\_sj = [32.0 69.0]||

aux\_vsDist\_cqs=[101.0 32.0 32.0 69.0 101.0 -32.0 69.0]:

114.25483399593904

vs\_detour\_q:0|| R2912.2

o1\_dir:[1, 0, 0, 0, 1, 1, 0, 1]|| \_rel:[0, 0, 0, 0, 0, 0, 1, 0]||  
\_vs\_sum\_tL:1|| \_vs\_sum\_tR:0|| \_vs\_sum\_bL:0|| \_vs\_sum\_bR:0||

o2\_dir:[1, 0, 0, 0, 0, 1, 0, 1]|| \_rel:[1, 0, 0, 0, 0, 0, 0, 0]||  
\_vs\_sum\_tL:1|| \_vs\_sum\_tR:0|| \_vs\_sum\_bL:0|| \_vs\_sum\_bR:0||

```

vp1->Slave Relevant AAAAAAAAAAAAAAAAAAAAAAAAAA
vp2=(-216, 2176).
detour_q:0|| dvv_cqs:[0 164]||
o1 -451 461 1455 1992|| nonL:[1 1 0 1]|| dir_qs:[0 0 0 0]|| rel_qs:
[0 0 0 0]|| relD_qs:[0 0 1 0]|| _sum_tL:0|| _sum_tR:0|| _sum_bL:0||
_sum_bR:0||
o2 -39 461 1400 2352|| nonL:[0 1 1 1]|| dir_qs:[1 0 0 0]|| rel_qs:[0
0 0 0]|| relD_qs:[1 0 0 0]|| _sum_tL:0|| _sum_tR:0|| _sum_bL:0||
_sum_bR:0||
vp2=(-216, 2176)->U2500.A4:(-382, 2300)
d_v->CorrS= [124.0 42.0]|| || d_vi_sj = [124.0 42.0]||
aux_vsDist_cqs=[166.0 124.0 124.0 42.0 166.0 -124.0 42.0]:
217.3624817342638
vs_detour_q:0|| U2500.A4
o1_dir:[1, 0, 0, 0, 1, 1, 0, 1]|| _rel:[0, 0, 0, 0, 0, 0, 1, 0]||
_vs_sum_tL:0|| _vs_sum_tR:0|| _vs_sum_bL:0|| _vs_sum_bR:0||
o2_dir:[1, 0, 0, 0, 0, 1, 1, 1]|| _rel:[0, 0, 0, 0, 1, 0, 0, 0]||
_vs_sum_tL:0|| _vs_sum_tR:0|| _vs_sum_bL:0|| _vs_sum_bR:0||

vp2->Slave Relevant AAAAAAAAAAAAAAAAAAAAAAAAAA
vp3=(-216, 2012).
detour_q:0|| dvv_cqs:[436 0]||
o1 -451 461 1455 1992|| nonL:[1 1 0 1]|| dir_qs:[0 0 0 0]|| rel_qs:
[0 0 0 0]|| relD_qs:[0 0 1 0]|| _sum_tL:0|| _sum_tR:0|| _sum_bL:0||
_sum_bR:0||
o2 -39 461 1400 2352|| nonL:[0 1 1 1]|| dir_qs:[0 0 0 0]|| rel_qs:[0
0 0 0]|| relD_qs:[1 0 0 0]|| _sum_tL:0|| _sum_tR:0|| _sum_bL:0||
_sum_bR:0||
vp3=(-216, 2012)->U1901.C3:(-214, 2012)
d_v->CorrS= [0.0 2.0]|| || d_vi_sj = [-0.0 2.0]||
aux_vsDist_cqs=[2.0 -0.0 -0.0 2.0 -2.0 0.0 2.0]: 2.0
vs_detour_q:0|| U1901.C3
o1_dir:[0, 0, 0, 0, 1, 1, 0, 1]|| _rel:[0, 0, 0, 0, 0, 0, 1, 0]||
_vs_sum_tL:0|| _vs_sum_tR:0|| _vs_sum_bL:0|| _vs_sum_bR:0||
o2_dir:[0, 0, 0, 0, 0, 1, 1, 1]|| _rel:[0, 0, 0, 0, 1, 0, 0, 0]||
_vs_sum_tL:0|| _vs_sum_tR:0|| _vs_sum_bL:0|| _vs_sum_bR:0||

vp3->Slave Relevant AAAAAAAAAAAAAAAAAAAAAAAAAA
vp4=(-652, 1576).
detour_q:0|| dvv_cqs:[0 93]||
o1 -451 461 1455 1992|| nonL:[0 1 1 1]|| dir_qs:[0 0 0 1]|| rel_qs:
[0 0 0 0]|| relD_qs:[1 0 0 0]|| _sum_tL:0|| _sum_tR:0|| _sum_bL:0||
_sum_bR:0||
o2 -39 461 1400 2352|| nonL:[0 1 1 1]|| dir_qs:[0 0 0 1]|| rel_qs:[0
0 0 0]|| relD_qs:[1 0 0 0]|| _sum_tL:0|| _sum_tR:0|| _sum_bL:0||
_sum_bR:0||
vp4=(-652, 1576)->U2501.A4:(-652, 1576)
d_v->CorrS= [0.0 0.0]|| || d_vi_sj = [0.0 -0.0]||
aux_vsDist_cqs=[0.0 0.0 0.0 -0.0 0.0 0.0 0.0]: 0.0
vs_detour_q:0|| U2501.A4
o1_dir:[0, 0, 0, 1, 0, 1, 1, 1]|| _rel:[0, 0, 0, 0, 1, 0, 0, 0]||
_vs_sum_tL:0|| _vs_sum_tR:0|| _vs_sum_bL:0|| _vs_sum_bR:0||
o2_dir:[0, 0, 0, 1, 0, 1, 1, 1]|| _rel:[0, 0, 0, 0, 1, 0, 0, 0]||
_vs_sum_tL:0|| _vs_sum_tR:0|| _vs_sum_bL:0|| _vs_sum_bR:0||

```

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vp4->Slave Relevant AAAAAAAAAAAAAAAAAAAAAAAAAA
vp5=(-652, 1483).
detour_q:0|| dvv_cqs:[50 111]||
o1 -451 461 1455 1992|| nonL:[0 1 1 1]|| dir_qs:[0 0 0 1]|| rel_qs:
[0 0 0 0]|| relD_qs:[1 0 0 0]|| _sum_tL:0|| _sum_tR:0|| _sum_bL:0||
_sum_bR:0||
o2 -39 461 1400 2352|| nonL:[0 1 1 1]|| dir_qs:[0 0 0 1]|| rel_qs:[0
0 0 0]|| relD_qs:[1 0 0 0]|| _sum_tL:0|| _sum_tR:0|| _sum_bL:0||
_sum_bR:0||
vp5=(-652, 1483)->U5701.E2:(-562, 1393)
d_v->CorrS= [90.0 0.0]|| || d_vi_sj = [90.0 -0.0]||
aux_vsDist_cqs=[90.0 90.0 90.0 -0.0 -90.0 90.0 0.0]:
127.27922061357856
vs_detour_q:0|| U5701.E2
o1_dir:[0, 0, 0, 1, 0, 1, 1, 0]|| _rel:[0, 0, 1, 0, 0, 0, 0, 0]||
_vs_sum_tL:0|| _vs_sum_tR:0|| _vs_sum_bL:2|| _vs_sum_bR:0||
o2_dir:[0, 0, 0, 1, 0, 1, 1, 0]|| _rel:[0, 0, 1, 0, 0, 0, 0, 0]||
_vs_sum_tL:0|| _vs_sum_tR:0|| _vs_sum_bL:2|| _vs_sum_bR:0||

vp5->Slave Relevant AAAAAAAAAAAAAAAAAAAAAAAAAA
vp6=(-813, 1433).
detour_q:0|| dvv_cqs:[0 195]||
o1 -451 461 1455 1992|| nonL:[0 1 1 0]|| dir_qs:[0 0 0 1]|| rel_qs:
[0 0 1 0]|| relD_qs:[0 0 0 0]|| _sum_tL:0|| _sum_tR:0|| _sum_bL:1||
_sum_bR:0||
o2 -39 461 1400 2352|| nonL:[0 1 1 1]|| dir_qs:[0 0 0 1]|| rel_qs:[0
0 0 0]|| relD_qs:[1 0 0 0]|| _sum_tL:0|| _sum_tR:0|| _sum_bL:1||
_sum_bR:0||
vp6=(-813, 1433)->U1701.B2:(-813, 1433)
d_v->CorrS= [0.0 0.0]|| || d_vi_sj = [-0.0 -0.0]||
aux_vsDist_cqs=[0.0 -0.0 -0.0 -0.0 0.0 0.0 0.0]: -0.0
vs_detour_q:0|| U1701.B2
o1_dir:[0, 0, 0, 1, 0, 1, 1, 0]|| _rel:[0, 0, 1, 0, 0, 0, 0, 0]||
_vs_sum_tL:0|| _vs_sum_tR:0|| _vs_sum_bL:1|| _vs_sum_bR:0||
o2_dir:[0, 0, 0, 1, 0, 1, 1, 1]|| _rel:[0, 0, 0, 0, 1, 0, 0, 0]||
_vs_sum_tL:0|| _vs_sum_tR:0|| _vs_sum_bL:1|| _vs_sum_bR:0||

vp6->Slave Relevant AAAAAAAAAAAAAAAAAAAAAAAAAA
vp7=(-1008, 1433).
detour_q:0|| dvv_cqs:[0 0]||
o1 -451 461 1455 1992|| nonL:[0 1 1 0]|| dir_qs:[0 0 0 1]|| rel_qs:
[0 0 1 0]|| relD_qs:[0 0 0 0]|| _sum_tL:0|| _sum_tR:0|| _sum_bL:1||
_sum_bR:0||
o2 -39 461 1400 2352|| nonL:[0 1 1 1]|| dir_qs:[1 0 0 1]|| rel_qs:[0
0 0 0]|| relD_qs:[1 0 0 0]|| _sum_tL:0|| _sum_tR:0|| _sum_bL:1||
_sum_bR:0||
vp7=(-1008, 1433)->U1702.A4:(-1014, 1427)
d_v->CorrS= [5.9999991922307405 -0.0]|| || d_vi_sj = [6.0 0.0]||
aux_vsDist_cqs=[6.0 6.0 6.0 0.0 6.0 6.0 0.0]: 8.485281374238571
vs_detour_q:0|| U1702.A4
o1_dir:[0, 0, 0, 1, 0, 1, 1, 0]|| _rel:[0, 0, 1, 0, 0, 0, 0, 0]||
_vs_sum_tL:0|| _vs_sum_tR:0|| _vs_sum_bL:1|| _vs_sum_bR:0||
o2_dir:[1, 0, 0, 1, 0, 1, 1, 1]|| _rel:[0, 0, 0, 0, 1, 0, 0, 0]||

```

\_vs\_sum\_tL:0|| \_vs\_sum\_tR:0|| \_vs\_sum\_bL:1|| \_vs\_sum\_bR:0||

vp7->Slave Relevant AAAAAAAAAAAAAAAAAAAAAAAAAA

Program Ends at: 2023/06/04 20:07:17.263

Program Run Time is: 02:00:00.470

进程已结束，退出代码为 0