



```
NEOS Server Version 5.0
Job#       : 4350546
Password   : YqBlLfiz
Solver     : lp:Gurobi:AMPL
Start      : 2016-03-12 20:25:32
End        : 2016-03-12 20:25:47
Host       : NEOS HTCondor Pool
```

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This information is provided without any express or implied warranty. In particular, there is no warranty of any kind concerning the fitness of this information for any particular purpose.

```
presolve, constraint c3[1]:
    no variables, but lower bound = 286, upper = 286
presolve, constraint c3[2]:
    no variables, but lower bound = 671, upper = 671
presolve, constraint c3[3]:
    no variables, but lower bound = 605
Presolve eliminates 2816 constraints and 261600 variables.
Adjusted problem:
1308 variables, all linear
0 constraints
1 linear objective; 1308 nonzeros.
```

```
objVar :=
;
```

```
Presolve eliminates 2617 constraints and 261601 variables.
Adjusted problem:
1307 variables, all linear
199 constraints, all linear; 2614 nonzeros
    199 equality constraints
1 linear objective; 1307 nonzeros.
```

```
Gurobi 6.5.0: threads=4
outlev=1
threads=4
outlev=1
Optimize a model with 199 rows, 1307 columns and 2614 nonzeros
Coefficient statistics:
  Matrix range    [1e+00, 1e+00]
  Objective range [3e+00, 1e+04]
  Bounds range    [0e+00, 0e+00]
  RHS range       [9e+00, 3e+03]
Presolve time: 0.00s
Presolved: 199 rows, 1307 columns, 2614 nonzeros
```

Iteration	Objective	Primal Inf.	Dual Inf.	Time
0	9.6483743e+07	1.065280e+05	0.000000e+00	0s

201 1.9658763e+08 0.000000e+00 0.000000e+00 0s

Solved in 201 iterations and 0.00 seconds

Optimal objective 1.965876260e+08

Gurobi 6.5.0: optimal solution; objective 196587626

201 simplex iterations

objVar [*,*]

:	101	102	103	104	105	106	107	108	109	110	111	112	:=
5	.	610	.	.	.	.	.	.	.	.	.	.	.
12	0	.	.	.	738	.	.	.	.	.	.	.	.
15	.	.	744	.	.	.	.	.	.	0	.	.	.
17	.	.	.	.	154	.	.	.	.	.	.	.	.
21	917	.	0	.	0	.	.	0	.	.	0	.	.
23	.	0	.	673	.	.	.	216	.	0	0	.	.
29	694	.	.	.	.	.	.	.	.	.	.	0	.
37	.	0	0	.	311	.	.	0	0	.	.	.	.
40	.	.	159	0	.	.	0	.	.	.	.	0	.
44	.	.	.	.	.	.	.	527	.	.	.	.	.
45	216	0	0	0	.	.	.	.	.	0	.	0	.
46	0	0	.	.	1391	.	.	.	.	.	319	.	.
63	.	.	.	.	.	.	.	.	.	.	636	0	.
67	.	.	.	.	.	.	710	.	.	0	.	.	.
68	.	624	.	.	.	.	.	.	.	.	.	535	.
71	.	.	.	.	.	10	.	.	.	.	.	.	.
83	.	.	.	0	.	.	.	.	686	.	.	.	.
93	0	.	.	493	0	.	.	.	.	0	.	.	.
97	.	.	.	.	0	0	0	331	.	.	.	.	.
100	.	.	.	.	.	.	.	.	.	147	.	.	.

:	113	114	115	116	117	118	119	120	121	122	123	124	125	:=
2	0	638	.	.	.	.	.	.
23	.	0	.	.	.	.	.	.	.	.	.	111	.	.
25	.	.	.	0	.	.	.	.	.	.	0	.	419	.
29	0	.	.	.	.	.	.	450	.
30	689	.	.	.	.
39	.	.	0	.	0	.	.	389	0	.	.	.	.	.
42	.	.	0	.	.	.	.	.	86	.	.	.	.	.
45	0	160	.	.	.	.	.	.	.	.
49	.	73	.	.	.	.	.	.	.	.	.	.	.	.
51	0	.	.	.	.	.	0	309	0	.	.	.	.	.
64	514	0	.	0	.	0	0	.	.	.	.	.	.	.
69	114	.	.	.	62	.	.	.
71	645	.	.	297	.	.	.	.	.	.
72	.	308	.	.	.	.	.	.	.	0	.	.	0	.
79	407	.	.	.	.	.	.	.	.	.
80	.	.	297	.	.	.	.	.	.	.	.	.	.	.
81	604	0	.	.	0	.	.	0	.	.	.	.	.	.
85	.	.	.	599	482	.	0	0	.	.	.	.	.	.
97	109	0	0	.	.	.

:	126	127	128	129	130	131	132	133	134	135	136	137	:=
1	0	.	.	.	.	.	286	.	.	.	.	.	.
4	.	.	.	.	195	.	.	.	0	.	.	.	.
14	84	.	.	.	1525	.	.	.	.	.	.	.	.
15	.	.	.	.	.	.	.	.	1005	.	.	.	.
16	.	.	.	.	0	754	.	.	.	0	.	.	.
31	.	947	.	.	.	.	.	.	.	.	0	.	.
32	.	.	.	984	.	.	.	.	.	.	.	.	.
42	.	.	.	.	.	.	0	.	.	.	2103	.	.
45	.	.	.	.	0	0	.	.	.	.	269	0	.
47	0	.	.	.	.	.	125	.	.	.	.	.	.
54	.	.	.	.	.	.	.	.	2136	.	.	0	.
64	.	1127	.	.	.	.	.	0	.	.	0	.	.
65	.	.	.	.	0	.	805	.	.	.	0	.	.
70	.	.	.	.	.	.	.	.	.	91	.	.	.
73	0	.	.	.	.	.	.	0	.	0	.	321	.
77	0	.	.	.	.	.	.	.	.	481	.	.	.
79	.	.	.	0	.	.	.	.	13	.	.	.	.
82	.	.	.	.	.	0	1332	.	.	.	.	.	.
87	.	.	.	.	.	0	191	.	.	.	.	.	.
99	.	.	.	867	.	.	.	.	.	.	.	.	.

100	0	.	31	.	.	.	.	155	.	.	.	.
:	138	139	140	141	142	143	144	145	146	147	148	149 :=
9	0	676	0	.	.	.	.	.	0	.	.	.
10	.	.	0	654	.	0	.	0	.	.	.	310
11	0	0	.	.	.	.	.	0	0	.	.	222
24	.	0	.	.	.	.	.	.	.	.	.	230
27	.	.	.	.	0	1501	.	.	.	.	.	.
34	.	986	.	.	0	.	.	0	.	.	0	.
35	.	.	.	.	.	0	.	.	.	.	.	125
36	86	.	90	.	.	.	.	.	0	.	.	.
38	.	.	.	.	.	.	469	462	.	.	.	0
43	0	.	.	.	.	.	.	.	.	.	.	531
45	.	.	.	.	.	360	.	0	.	.	1023	.
47	.	.	.	.	.	.	.	.	.	0	0	1006
50	.	25	.	.	.	.	0	.	0	.	.	.
55	.	.	0	676	.	.	.	.	.	0	.	.
56	.	.	.	.	0	.	.	.	12	.	.	.
58	.	.	.	.	.	.	.	.	.	.	807	.
60	.	0	1256	.	0	.	0	.	.	.	0	.
68	.	.	.	.	.	.	.	166	.	0	.	.
69	.	.	.	.	.	.	.	.	.	26	.	.
72	.	.	.	.	0	0	193	.	.	.	.	0
77	.	.	.	.	.	.	.	.	.	.	145	.
88	.	0	.	.	.	.	309	.	.	.	.	.
94	.	.	.	1135	.	.	.	.	.	.	.	.
96	.	.	.	.	388	.	.	.	.	.	.	.
100	0	.	.	.	.	.	.	.	175	.	.	.
:	150	151	152	153	154	155	156	157	158	159	160	161 :=
2	.	.	0	.	.	0	.	0	.	33	.	.
5	.	.	.	.	.	677	.	.	0	.	.	.
6	.	.	497	.	.	.	.	.	.	.	.	.
16	.	.	.	.	.	172	.	.	.	.	.	.
18	.	.	.	.	.	253	.	.	0	.	.	9
19	.	.	.	.	.	.	.	0	707	.	.	.
22	.	.	0	.	.	410	0	.	.	.	.	.
28	.	.	.	.	.	.	.	.	514	.	0	0
40	.	.	.	1251	.	.	.	0	.	.	.	.
48	.	.	.	0	.	.	.	.	832	.	.	.
52	.	.	629	.	.	0	.	.	.	.	.	0
53	.	.	.	1325	.	.	.	.	.	0	.	.
56	.	0	.	289	.	.	.	.	.	.	0	.
60	.	.	.	.	.	.	.	.	33	.	.	.
73	.	.	.	.	.	.	.	633	.	.	.	.
74	.	.	.	0	.	0	943	620	.	.	0	.
76	.	.	.	.	233	.	.	.	.	.	.	.
78	.	.	.	0	.	.	.	527	.	.	.	.
80	.	163	.	0	0	.	.	.	.	.	.	.
84	.	.	.	.	.	1325	.	.	.	.	.	.
90	.	.	.	0	.	.	.	.	849	.	.	.
96	.	.	.	.	.	.	266	.	.	.	.	.
97	.	0	.	.	0	0	0	237	.	.	.	.
100	574	0	.	.	.	.	.	.	.	.	290	.
:	162	163	164	165	166	167	168	169	170	171	172	173 :=
10	.	.	.	374	.	.	.	.	.	.	.	.
13	0	1819	.	.	.	0	.	0	.	.	.	.
14	.	0	.	0	0	.	.	248	.	.	.	.
33	.	.	0	.	.	.	.	0	.	.	.	996
37	.	0	.	.	0	.	.	0	.	.	.	395
38	0	.	331	0	.	.	.	.	.	0	.	.
50	0	0	0	.	.	.	504	.	.	616	0	.
57	.	.	.	.	.	.	.	0	.	.	.	707
60	.	.	.	.	.	.	.	.	.	.	.	450
62	0	.	.	0	.	.	.	0	.	.	94	.
66	.	236	.	.	.	.	.	.	.	.	.	.
73	.	867	.	.	.	.	.	.	.	.	.	.
76	.	.	1074	.	.	.	.	.	.	.	.	.
80	.	0	.	.	.	.	.	.	.	.	45	.
85	.	.	.	.	.	.	0	.	.	.	179	.

86	151	.	.	.	.	.	361	.	.	.	.	.
92	.	.	.	.	880	.	.	.	.	.	.	.
96	.	.	.	.	.	.	.	480	.	.	.	.
99	.	.	.	.	.	47	.	.	.	.	.	.
100	.	.	.	.	.	.	.	.	103	.	.	.

:	174	175	176	177	178	179	180	181	182	183	184	185	:=
3	.	605	.	.	.	.	0	.	.	.	.	.	.
8	.	.	.	0	.	.	287	.	.	373	.	.	.
18	.	.	.	.	.	.	.	.	.	.	1504	.	.
25	.	.	.	0	0	.	.	.	.	.	.	703	.
26	.	.	.	.	.	.	109	.	0	.	0	.	.
30	.	.	.	.	.	.	.	.	.	.	.	224	.
32	.	.	.	.	0	.	.	.	1276	.	.	.	.
41	0	.	.	.	.	.	.	729	.	.	.	.	.
50	.	.	.	.	.	.	.	.	.	.	.	71	.
51	.	332	.	.	.	844	.	.	.	.	0	.	.
52	.	.	.	504	.	.	.	0	.	0	.	0	.
59	.	.	.	.	.	0	.	1242	0	.	0	.	.
63	353	.	.	.	.	.	.	.	.	.	.	.	.
67	.	.	810	.	.	0	.	.	.	.	.	.	.
69	.	.	.	.	0	.	734	.	.	.	.	.	.
70	.	.	0	0	.	.	.	.	9	.	.	.	.
75	.	.	.	.	.	.	.	.	.	186	.	.	.
78	0	.	202	.	.	0	0	0	.	.	.	0	.
89	.	.	0	.	.	1053	.	0	.	.	0	.	.
91	.	.	.	.	.	.	.	.	656	.	.	.	.
95	.	.	.	.	.	.	.	.	.	1199	.	.	.
96	.	.	.	.	.	.	.	.	.	.	780	.	.
100	.	.	.	.	39	.	.	.	.	.	0	.	.

:	186	187	188	189	190	191	192	193	194	195	196	197	:=
16	.	.	.	.	351	.	.	.	202	0	.	.	.
20	0	0	.	.	.	.	.	.	367	.	.	.	.
24	.	.	.	.	.	.	.	.	.	540	.	0	.
26	.	.	.	1786	0	.	.	.	.	.	.	.	.
29	.	1083	.	.	0	.	.	.	.	.	.	.	.
36	.	.	.	.	0	0	.	186	.	.	.	0	.
41	.	.	0	.	0	0	.	.	.	29	0	.	.
47	.	.	65	.	.	0	.	.	.	0	.	.	.
50	.	.	.	.	.	.	53	.	.	.	.	.	.
61	.	.	.	14	0	.	.	.	.	.	.	.	.
68	.	.	.	0	.	.	.	.	.	.	96	.	.
73	.	.	.	0	.	.	.	37	.	.	.	.	.
78	.	0	.	.	.	303	.	0	.	.	.	.	.
79	.	.	.	.	.	.	.	.	.	519	.	.	.
80	654	.	.	.	0	.	.	0	0	.	.	.	.
81	.	.	.	.	.	.	0	.	300	.	.	.	.
83	.	0	.	594	.	.	.	.	.	.	.	.	.
84	.	.	.	.	.	.	.	.	.	.	.	755	.
90	221	0	.	.	.	.	0	.	.	.	0	.	.
92	.	.	.	.	.	275	.	.	.	.	.	0	.
98	.	.	192	.	.	.	.	.	.	.	0	.	.

:	198	199	200	:=
7	149	0	.	.
18	.	131	.	.
52	41	.	.	.
55	176	0	.	.
61	1211	.	.	.
100	.	0	124	.

;

