

Resultados

Gurobi Optimizer version 10.0.3 build v10.0.3rc0 (mac64[x86])

CPU model: Intel(R) Core(TM) i5-5257U CPU @ 2.70GHz

Thread count: 2 physical cores, 4 logical processors, using up to 4 threads

Optimize a model with 9302285 rows, 4563780 columns and 47724843 nonzeros

Model fingerprint: 0x66288327

Variable types: 600 continuous, 4563180 integer (4563180 binary)

Coefficient statistics:

Matrix range [1e-01, 1e+06]

Objective range [4e-01, 1e+00]

Bounds range [1e+00, 1e+00]

RHS range [1e+00, 5e+09]

Warning: Model contains large rhs

Consider reformulating model or setting NumericFocus parameter
to avoid numerical issues.

Presolve removed 0 rows and 0 columns (presolve time = 20s) ...

Presolve removed 0 rows and 0 columns (presolve time = 20s) ...

Presolve removed 900 rows and 172859 columns (presolve time = 32s) ...

Presolve removed 900 rows and 345119 columns (presolve time = 36s) ...

Presolve removed 905 rows and 360240 columns (presolve time = 41s) ...

Presolve removed 905 rows and 360240 columns (presolve time = 51s) ...

Presolve removed 905 rows and 360240 columns (presolve time = 56s) ...

Presolve removed 905 rows and 360240 columns (presolve time = 60s) ...

Presolve removed 3790625 rows and 360240 columns (presolve time = 65s) ...

Presolve removed 3790625 rows and 360240 columns (presolve time = 71s) ...

Presolve removed 3790625 rows and 360240 columns (presolve time = 75s) ...

Presolve removed 3790625 rows and 360240 columns (presolve time = 80s) ...

Presolve removed 3790625 rows and 360240 columns (presolve time = 89s) ...

Presolve removed 3790625 rows and 360240 columns (presolve time = 93s) ...

Presolve removed 3790625 rows and 360240 columns (presolve time = 97s) ...

Presolve removed 3790625 rows and 360240 columns (presolve time = 101s) ...

Presolve removed 3809945 rows and 360240 columns (presolve time = 108s) ...

Presolve removed 7599665 rows and 360240 columns (presolve time = 111s) ...

Presolve removed 7599665 rows and 360240 columns (presolve time = 115s) ...

Presolve removed 7599665 rows and 360240 columns (presolve time = 120s) ...

Presolve removed 7599665 rows and 360240 columns (presolve time = 125s) ...

Presolve removed 7599665 rows and 360240 columns (presolve time = 130s) ...

Presolve removed 7599665 rows and 360240 columns (presolve time = 135s) ...

Presolve removed 7599665 rows and 360240 columns (presolve time = 140s) ...

Presolve removed 7599665 rows and 360240 columns (presolve time = 145s) ...

Presolve removed 7599665 rows and 360240 columns (presolve time = 150s) ...

[illegible]

Presolve removed 7789288 rows and 715287 columns (presolve time = 402s) ...
 Presolve removed 7789288 rows and 715287 columns (presolve time = 408s) ...
 Presolve removed 7789288 rows and 715287 columns (presolve time = 410s) ...
 Presolve removed 7789288 rows and 715287 columns (presolve time = 416s) ...
 Presolve removed 7789288 rows and 715287 columns (presolve time = 423s) ...
 Presolve removed 7789288 rows and 715287 columns
 Presolve time: 423.03s
 Presolved: 1512997 rows, 3848493 columns, 17968959 nonzeros
 Variable types: 0 continuous, 3848493 integer (3848493 binary)
 Deterministic concurrent LP optimizer: dual simplex and barrier
 Showing barrier log...

Root barrier log...

Elapsed ordering time = 5s
 Elapsed ordering time = 10s
 Elapsed ordering time = 15s
 Elapsed ordering time = 20s
 Elapsed ordering time = 25s
 Elapsed ordering time = 30s
 Elapsed ordering time = 35s
 Elapsed ordering time = 40s
 Elapsed ordering time = 45s
 Elapsed ordering time = 50s
 Elapsed ordering time = 55s
 Elapsed ordering time = 60s
 Elapsed ordering time = 65s
 Ordering time: 68.21s

Barrier statistics:

AA' NZ : 2.395e+07
 Factor NZ : 4.288e+07 (roughly 2.6 GB of memory)
 Factor Ops : 5.366e+09 (roughly 1 second per iteration)
 Threads : 1

Iter	Objective		Residual		Compl	Time	
	Primal	Dual	Primal	Dual			
0	1.26876400e+07	8.62379704e+04	6.13e+03	2.50e-01	1.15e+01	617s	
1	3.02533179e+06	4.53029684e+06	1.37e+03	6.66e-16	2.73e+00	628s	
2	1.35142842e+06	2.15535286e+06	5.47e+02	3.39e-13	9.69e-01	639s	
3	9.34538843e+05	9.61092580e+05	3.52e+02	4.01e-13	5.26e-01	655s	
4	6.29757841e+05	4.08011016e+05	1.88e+02	1.63e-12	3.20e-01	672s	
5	1.12143758e+05	2.13374084e+05	1.01e+00	3.19e-12	1.86e-02	687s	
6	1.11206449e+05	8.89778688e+04	9.35e-01	6.29e-13	2.56e-03	715s	
7	1.11146185e+05	-4.21786257e+10	9.29e-01	1.85e-08	2.05e-01	748s	
8	1.10984808e+05	-4.22930207e+10	1.25e+01	2.88e-08	4.21e+02	809s	
9	1.11007822e+05	-1.46900467e+11	1.25e+01	5.99e-07	4.92e+02	826s	
10	1.99884507e+08	1.19597548e+07	9.84e+04	2.50e-01	3.42e+05	869s	

11	1.25493832e+06	2.26270641e+05	5.01e+02	1.15e+00	1.78e+01	885s
12	1.28400491e+06	2.12533954e+05	5.56e+02	2.78e-01	1.00e+01	900s
13	1.57428452e+05	1.58645016e+05	5.90e+00	8.75e-02	7.38e-01	918s
14	1.06761059e+05	1.01933046e+05	9.52e-01	7.54e-03	3.18e-02	934s
15	1.09249200e+05	9.96718513e+04	1.24e+00	4.24e-03	3.15e-02	951s
16	1.04396737e+05	-2.38836018e+05	9.30e-01	1.65e-11	5.29e-01	968s
17	1.06694130e+05	-2.77586551e+10	9.34e-01	5.96e-03	5.30e+05	984s
18*	1.06725998e+05	-2.17029773e+13	2.27e-05	9.42e-04	2.79e-04	1000s
19*	1.06725998e+05	-2.16680983e+19	2.27e-11	4.76e-04	2.79e-10	1012s
20*	1.06725998e+05	-2.16592382e+25	2.27e-17	4.95e-04	2.79e-16	1026s
21*	1.06725998e+05	-2.16491802e+31	2.27e-23	5.06e-04	2.80e-22	1037s
22*	1.41090144e+05	-4.84921252e+35	1.34e-26	1.69e-03	7.92e-25	1048s
23*	1.44156355e+05	-1.30590165e+35	1.36e-26	3.75e-05	1.41e-24	1059s
24*	1.44156359e+05	-1.73711108e+35	1.36e-26	7.85e-05	2.87e-24	1071s
25*	1.44156359e+05	-3.13794132e+35	1.36e-26	1.66e-04	5.53e-24	1090s
26*	1.44156359e+05	-1.28336088e+35	1.36e-26	1.50e-04	6.29e-24	1105s

Barrier performed 26 iterations in 1105.29 seconds (322.08 work units)
Numerical trouble encountered

Root simplex log...

Iteration	Objective	Primal Inf.	Dual Inf.	Time
0	1.8532184e+06	6.708322e+07	0.000000e+00	1113s
21179	1.8320516e+06	8.881164e+07	0.000000e+00	1143s
42358	1.8191902e+06	9.834992e+07	0.000000e+00	1160s
51033	1.8168681e+06	9.527357e+07	0.000000e+00	1165s
60029	1.8094546e+06	9.846233e+07	0.000000e+00	1169s
69456	1.7956783e+06	1.032475e+08	0.000000e+00	1173s
83851	1.7469713e+06	1.111646e+08	0.000000e+00	1178s
94700	1.6856533e+06	1.093707e+08	0.000000e+00	1184s
106408	1.6169462e+06	1.018125e+08	0.000000e+00	1193s
121650	1.5567472e+06	1.058479e+08	0.000000e+00	1210s
136283	1.4807649e+06	1.080263e+08	0.000000e+00	1228s
154750	1.4082047e+06	1.219933e+08	0.000000e+00	1245s
175929	1.3459864e+06	1.280448e+08	0.000000e+00	1276s
197108	1.3155562e+06	1.227940e+08	0.000000e+00	1303s
218287	1.2829794e+06	1.242488e+08	0.000000e+00	1330s
239466	1.2407278e+06	1.306559e+08	0.000000e+00	1350s
260645	1.2136047e+06	1.275140e+08	0.000000e+00	1370s
281423	1.1701879e+06	1.342525e+08	0.000000e+00	1390s
297351	1.1342083e+06	1.380086e+08	0.000000e+00	1403s
318530	1.1208545e+06	1.285148e+08	0.000000e+00	1436s
339709	1.0969167e+06	1.286901e+08	0.000000e+00	1460s
360888	1.0696407e+06	1.185273e+08	0.000000e+00	1483s
382067	1.0530449e+06	1.153210e+08	0.000000e+00	1507s
403246	1.0428637e+06	1.120031e+08	0.000000e+00	1545s

424425	1.0380734e+06	1.062558e+08	0.000000e+00	1613s
445604	1.0335569e+06	9.904999e+07	0.000000e+00	1647s
466783	1.0285805e+06	9.582055e+07	0.000000e+00	1685s
487962	1.0225471e+06	9.557950e+07	0.000000e+00	1719s
509141	1.0173727e+06	9.692785e+07	0.000000e+00	1762s
530320	1.0100177e+06	9.833604e+07	0.000000e+00	1801s

Root relaxation: time limit, 530320 iterations, 1340.15 seconds (230.88 work units)

Nodes		Current Node		Objective Bounds		Work	
Expl	Unexpl	Obj	Depth	IntInf	Incumbent	BestBd	Gap It/Node Time
0	0	-	0		- 4705532.32	-	- 1802s

Explored 1 nodes (530320 simplex iterations) in 1802.92 seconds (451.76 work units)
Thread count was 4 (of 4 available processors)

Solution count 0

Time limit reached

Best objective -, best bound 4.705532315001e+06, gap -