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 Using license file /home/zijie/gurobi.lic  
 Changed value of parameter timelimit to 180.0  
   Prev: inf Min: 0.0 Max: inf Default: inf  
 Changed value of parameter cuts to 0  
   Prev: -1 Min: -1 Max: 3 Default: -1  
 Gurobi Optimizer version 9.1.1 build v9.1.1rc0 (linux64)  
 Thread count: 8 physical cores, 8 logical processors, using up to 8 threads  
 Optimize a model with 2305 rows, 2352 columns and 11045 nonzeros  
 Model fingerprint: 0x72774eba  
 Variable types: 0 continuous, 2352 integer (2304 binary)  
 Coefficient statistics:  
   Matrix range [1e+00, 5e+01]  
   Objective range [7e+00, 1e+08]  
   Bounds range [1e+00, 5e+01]  
   RHS range [1e+00, 5e+01]  
 Presolve removed 47 rows and 49 columns  
 Presolve time: 0.01s  
 Presolved: 2258 rows, 2303 columns, 10998 nonzeros  
 Variable types: 0 continuous, 2303 integer (2256 binary)  
 Found heuristic solution: objective 7533.00000000

Root relaxation: objective 1.655816e+03, 199 iterations, 0.00 seconds

Nodes		Current Node			Objective Bounds		Gap	Work	
Expl	Unexpl	Obj	Depth	IntInf	Incumbent	BestBd		It/Node	Time
	0	0	1655.81560	0	61	7533.000000	1655.81560	78.0%	- 0s
	0	0	1674.57447	0	77	7533.000000	1674.57447	77.8%	- 0s
H	0	0				1891.000000	1674.57447	11.4%	- 0s
	0	0	1725.44681	0	78	1891.000000	1725.44681	8.75%	- 0s
	0	0	1725.44681	0	77	1891.000000	1725.44681	8.75%	- 0s
	0	0	1725.44681	0	62	1891.000000	1725.44681	8.75%	- 0s
	0	0	1736.44681	0	60	1891.000000	1736.44681	8.17%	- 0s
	0	0	1736.44681	0	68	1891.000000	1736.44681	8.17%	- 0s
	0	0	1736.44681	0	74	1891.000000	1736.44681	8.17%	- 0s
	0	0	1736.44681	0	59	1891.000000	1736.44681	8.17%	- 0s
H	0	0				1776.000000	1736.44681	2.23%	- 0s
	0	0	1736.44681	0	62	1776.000000	1736.44681	2.23%	- 0s
	0	0	1736.44681	0	66	1776.000000	1736.44681	2.23%	- 0s
	0	0	1736.44681	0	65	1776.000000	1736.44681	2.23%	- 0s
	0	2	1736.44681	0	63	1776.000000	1736.44681	2.23%	- 0s

Cutting planes:  
 Learned: 9

Explored 3197 nodes (20908 simplex iterations) in 0.57 seconds  
 Thread count was 8 (of 8 available processors)

Solution count 3: 1776 1891 7533

Optimal solution found (tolerance 1.00e-04)  
 Best objective 1.776000000000e+03, best bound 1.776000000000e+03, gap 0.0000%