ampl: include EXE\_Cbc.run

Reading model is completed.

Reading data is completed.

AMPL presolve is ACTIVE.

Solver: CBC

option cbc\_options "sec=7200 timeM='elapsed' slog=3 log=3";

Presolve eliminates 51969 constraints and 2760034 variables.

Adjusted problem:

1893064 variables:

 4607 binary variables

 37274 integer variables

 1851183 linear variables

548469 constraints, all linear; 7507488 nonzeros

 463705 equality constraints

 84764 inequality constraints

1 linear objective; 1 nonzero.

CBC 2.10.3: sec=7200

timeM='elapsed'

slog=3

log=3

cbc C:\Users\amobtake\AppData\Local\Temp\at31420 -AMPL

env sec=7200 timeM='elapsed' slog=3 log=3

548469 rows, 1893064 columns and 7507488 elements

Welcome to the CBC MILP Solver

Version: 2.10.3

Build Date: Dec 15 2019

command line - ampl cbc sec 7200 timeM 'elapsed' slog 3 log 3 -solve -quit (default strategy 1)

seconds was changed from 1e+100 to 7200

<Possible options for timeMode are: cpu elapsed;

 current cpu>

slogLevel was changed from 1 to 3

logLevel was changed from 1 to 3

Presolve 402181 (-146288) rows, 1424166 (-468898) columns and 5376172 (-2131316) elements

0 infeas 2024339.5, obj 0 - mu 1, its 0, 0 interior

1 infeas 1463592.9, obj 75635775 - mu 1, its 2, 32996 interior

2 infeas 918929.26, obj 61914996 - mu 1, its 23, 36826 interior

3 infeas 913882.96, obj 59780288 - mu 1, its 23, 41171 interior

4 infeas 895336.23, obj 63112703 - mu 0.3333, its 23, 53447 interior

5 infeas 890949.5, obj 62828188 - mu 0.3333, its 23, 49818 interior

6 infeas 878293, obj 64683457 - mu 0.11108889, its 23, 65383 interior

7 infeas 871484.88, obj 65623065 - mu 0.037025927, its 23, 88457 interior

8 infeas 867581.53, obj 66057936 - mu 0.012340741, its 23, 114033 interior

9 infeas 855540.28, obj 1.9155053e+08 - mu 0.0041131691, its 23, 175128 interior

10 infeas 837068.46, obj 5.0012332e+08 - mu 0.0013709193, its 23, 223465 interior

11 infeas 823055.56, obj 7.3011663e+08 - mu 0.0013709193, its 23, 265533 interior

12 infeas 808645.26, obj 1.1958798e+09 - mu 0.00045692739, its 23, 313488 interior

13 infeas 796600.67, obj 1.6334022e+09 - mu 0.0001522939, its 23, 346378 interior

14 infeas 787655.7, obj 2.0544065e+09 - mu 5.0759557e-05, its 23, 368701 interior

15 infeas 780220.22, obj 2.4226497e+09 - mu 1.691816e-05, its 23, 368416 interior

16 infeas 773208.43, obj 2.7490178e+09 - mu 5.6388228e-06, its 23, 387442 interior

17 infeas 766208, obj 3.039306e+09 - mu 1.8794197e-06, its 23, 401662 interior

18 infeas 758984.93, obj 3.3001401e+09 - mu 6.2641057e-07, its 23, 417262 interior

19 infeas 753110.96, obj 3.5381346e+09 - mu 2.0878264e-07, its 23, 417984 interior

20 infeas 746130.57, obj 3.7561462e+09 - mu 6.9587255e-08, its 23, 422208 interior

21 infeas 740434.16, obj 3.9601718e+09 - mu 2.3193432e-08, its 23, 417753 interior

22 infeas 734557.19, obj 4.149933e+09 - mu 7.7303709e-09, its 23, 425493 interior

23 infeas 728786.38, obj 4.3273311e+09 - mu 2.5765326e-09, its 23, 428159 interior

24 infeas 723999.14, obj 4.4961021e+09 - mu 8.5875832e-10, its 23, 427395 interior

25 infeas 719310.2, obj 4.6533302e+09 - mu 2.8622415e-10, its 23, 421805 interior

26 infeas 714720.06, obj 4.8016086e+09 - mu 9.5398509e-11, its 23, 431444 interior

27 infeas 710162.17, obj 4.9423291e+09 - mu 3.1796323e-11, its 23, 438081 interior

28 infeas 706471, obj 5.0746543e+09 - mu 1.0597714e-11, its 23, 434138 interior

29 infeas 702259.6, obj 5.1950197e+09 - mu 3.5322182e-12, its 23, 450973 interior

30 infeas 699145.89, obj 5.3070688e+09 - mu 1.1772883e-12, its 23, 438578 interior

31 infeas 695941.1, obj 5.4114913e+09 - mu 3.923902e-13, its 23, 436941 interior

32 infeas 692895.69, obj 5.5094713e+09 - mu 1.3078365e-13, its 23, 442315 interior

33 infeas 689849.94, obj 5.6015513e+09 - mu 4.3590192e-14, its 23, 451286 interior

34 infeas 687367.26, obj 5.6873283e+09 - mu 1.4528611e-14, its 23, 449098 interior

35 infeas 684999.72, obj 5.7700534e+09 - mu 4.8423861e-15, its 23, 447001 interior

36 infeas 682707.22, obj 5.8494063e+09 - mu 1.6139673e-15, its 23, 453175 interior

37 infeas 680842.86, obj 5.9247353e+09 - mu 5.3793529e-16, its 23, 451943 interior

38 infeas 678766.45, obj 5.9950229e+09 - mu 1.7929383e-16, its 23, 454844 interior

39 infeas 677304.98, obj 6.0620851e+09 - mu 5.9758634e-17, its 23, 470582 interior

40 infeas 675759.33, obj 6.1263418e+09 - mu 1.9917553e-17, its 23, 465987 interior

41 infeas 674202.05, obj 6.1885122e+09 - mu 6.6385204e-18, its 23, 472299 interior

42 infeas 672967.56, obj 6.2508438e+09 - mu 2.2126188e-18, its 23, 472375 interior

43 infeas 671629.21, obj 6.3110291e+09 - mu 7.3746586e-19, its 23, 472820 interior

44 infeas 670559.01, obj 6.3671385e+09 - mu 2.4579737e-19, its 23, 482586 interior

45 infeas 669787.61, obj 6.4161511e+09 - mu 8.1924264e-20, its 23, 478941 interior

46 infeas 668934.2, obj 6.4619532e+09 - mu 2.7305357e-20, its 23, 491571 interior

47 infeas 668547.23, obj 6.5034182e+09 - mu 9.1008755e-21, its 23, 491010 interior

48 infeas 668162.5, obj 6.5412931e+09 - mu 3.0333218e-21, its 23, 492871 interior

49 infeas 667891.5, obj 6.5753667e+09 - mu 1.0110062e-21, its 23, 496539 interior

50 infeas 667571.76, obj 6.6084386e+09 - mu 3.3696835e-22, its 23, 498235 interior

51 infeas 667276.95, obj 6.6397848e+09 - mu 1.1231155e-22, its 23, 505860 interior

52 infeas 667163.87, obj 6.6676765e+09 - mu 3.743344e-23, its 23, 507254 interior

53 infeas 667013.73, obj 6.69452e+09 - mu 1.2476566e-23, its 23, 508539 interior

54 infeas 666924.8, obj 6.7191524e+09 - mu 4.1584393e-24, its 23, 525662 interior

55 infeas 666884.84, obj 6.7420435e+09 - mu 1.3860078e-24, its 23, 508287 interior

56 infeas 666758.53, obj 6.7641879e+09 - mu 4.6195641e-25, its 23, 512639 interior

57 infeas 666685.38, obj 6.7851848e+09 - mu 1.5397007e-25, its 23, 525350 interior

58 infeas 666590.99, obj 6.8051965e+09 - mu 5.1318225e-26, its 23, 524469 interior

59 infeas 666479.24, obj 6.8242938e+09 - mu 1.7104364e-26, its 23, 522330 interior

60 infeas 666406.95, obj 6.8412656e+09 - mu 5.7008846e-27, its 23, 524724 interior

61 infeas 666317.95, obj 6.8570732e+09 - mu 1.9001048e-27, its 23, 524283 interior

62 infeas 666216.81, obj 6.8726425e+09 - mu 6.3330494e-28, its 23, 518685 interior

63 infeas 666123.18, obj 6.8873398e+09 - mu 2.1108054e-28, its 23, 521663 interior

64 infeas 666029.72, obj 6.9008624e+09 - mu 7.0353143e-29, its 23, 526007 interior

65 infeas 665962.21, obj 6.9131372e+09 - mu 2.3448703e-29, its 23, 518869 interior

66 infeas 665884.85, obj 6.9247733e+09 - mu 7.8154526e-30, its 23, 525215 interior

67 infeas 665759.26, obj 6.9356886e+09 - mu 2.6048904e-30, its 23, 525729 interior

68 infeas 665617.66, obj 6.9457379e+09 - mu 8.6820995e-31, its 23, 522754 interior

69 infeas 665482.72, obj 6.9545926e+09 - mu 2.8937438e-31, its 23, 526437 interior

70 infeas 665330.96, obj 6.9626243e+09 - mu 9.644848e-32, its 23, 522095 interior

71 infeas 665217.77, obj 6.9702626e+09 - mu 3.2146278e-32, its 23, 523995 interior

 length of U 0, length of L 0

 length of U 0, length of L 0

0 Obj 6.9405876e+09 Primal inf 337330.42 (222979) Dual inf 3.7297109e+15 (660704)

 length of U 8, length of L 4

2000 Obj 6.9405796e+09 Primal inf 337330.33 (222976) Dual inf 3.7297095e+15 (658704)

 length of U 196, length of L 62

4000 Obj 6.9400955e+09 Primal inf 337310.37 (222898) Dual inf 3.7294215e+15 (656829)

 length of U 431, length of L 123

6000 Obj 6.9399284e+09 Primal inf 337286.05 (222801) Dual inf 3.7292702e+15 (655040)

 length of U 745, length of L 224

8000 Obj 6.938656e+09 Primal inf 337242.88 (222683) Dual inf 3.7281798e+15 (653133)

 length of U 1220, length of L 386

10000 Obj 6.9371458e+09 Primal inf 337196.23 (222497) Dual inf 3.7276592e+15 (651208)

 length of U 1731, length of L 667

12000 Obj 6.9347516e+09 Primal inf 337130.57 (222299) Dual inf 3.725297e+15 (649353)

 length of U 1981, length of L 790

14000 Obj 6.9347495e+09 Primal inf 337130.08 (222174) Dual inf 3.7251416e+15 (647479)

 length of U 2275, length of L 865

16000 Obj 6.9345858e+09 Primal inf 337123.97 (222050) Dual inf 3.7242313e+15 (645572)

 length of U 2541, length of L 1009

18000 Obj 6.9329704e+09 Primal inf 337076.52 (221951) Dual inf 3.7231549e+15 (643763)

 length of U 2779, length of L 1070

20000 Obj 6.932773e+09 Primal inf 337063.28 (221849) Dual inf 3.7226491e+15 (641754)

 length of U 3087, length of L 1151

22000 Obj 6.9323793e+09 Primal inf 337041.63 (221705) Dual inf 3.7223645e+15 (639948)

 length of U 3507, length of L 1372

24000 Obj 6.9297749e+09 Primal inf 336984.69 (221517) Dual inf 3.7202838e+15 (638322)

 length of U 3699, length of L 1455

26000 Obj 6.9286231e+09 Primal inf 336954.68 (221442) Dual inf 3.719726e+15 (636406)

 length of U 3821, length of L 1498

28000 Obj 6.9286186e+09 Primal inf 336954.3 (221384) Dual inf 3.719618e+15 (634521)

 length of U 4195, length of L 1638

30000 Obj 6.9271345e+09 Primal inf 336920.61 (221216) Dual inf 3.7186656e+15 (632697)

 length of U 4478, length of L 1718

32000 Obj 6.9271289e+09 Primal inf 336917.57 (221087) Dual inf 3.7183442e+15 (630827)

 length of U 5282, length of L 2025

34000 Obj 6.9248461e+09 Primal inf 336836.52 (220756) Dual inf 3.7215951e+15 (629366)

 length of U 5964, length of L 2351

36000 Obj 6.9247642e+09 Primal inf 336771.89 (220473) Dual inf 3.7260258e+15 (627876)

 length of U 6243, length of L 2506

38000 Obj 6.9209968e+09 Primal inf 336696.6 (220358) Dual inf 3.7244814e+15 (625963)

 length of U 6508, length of L 2565

40000 Obj 6.9209509e+09 Primal inf 336690.45 (220243) Dual inf 3.7242307e+15 (623985)

 length of U 7546, length of L 3073

42000 Obj 6.9173303e+09 Primal inf 336542.02 (219830) Dual inf 3.7260435e+15 (623173)

 length of U 8005, length of L 3307

44000 Obj 6.9120027e+09 Primal inf 336404.59 (219633) Dual inf 3.7247553e+15 (621417)

 length of U 8045, length of L 3334

46000 Obj 6.9115657e+09 Primal inf 336393.26 (219628) Dual inf 3.7237467e+15 (619399)

 length of U 8077, length of L 3482

48000 Obj 6.9100162e+09 Primal inf 336339.93 (219603) Dual inf 3.7290236e+15 (618685)

 length of U 8241, length of L 3512

50000 Obj 6.908754e+09 Primal inf 336253.4 (219565) Dual inf 3.7569372e+15 (618912)

 length of U 8464, length of L 3742

52000 Obj 6.9036891e+09 Primal inf 336128.62 (219504) Dual inf 3.7713238e+15 (618648)

 length of U 8552, length of L 3769

54000 Obj 6.9033587e+09 Primal inf 336094.19 (219495) Dual inf 3.7691864e+15 (616247)

 length of U 8823, length of L 3812

56000 Obj 6.9000607e+09 Primal inf 335974.78 (219480) Dual inf 3.7694005e+15 (614413)

 length of U 8941, length of L 4027

58000 Obj 6.8984617e+09 Primal inf 335930.12 (219437) Dual inf 3.7707208e+15 (611802)

 length of U 9024, length of L 4085

60000 Obj 6.8967165e+09 Primal inf 335870.84 (219435) Dual inf 3.7755619e+15 (611378)

 length of U 9136, length of L 4151

62000 Obj 6.8942754e+09 Primal inf 335786.26 (219422) Dual inf 3.7726718e+15 (608827)

 length of U 9290, length of L 4276

64000 Obj 6.8934551e+09 Primal inf 335757.75 (219388) Dual inf 3.7713782e+15 (606418)

 length of U 9604, length of L 4526

66000 Obj 6.8900595e+09 Primal inf 335647.09 (219312) Dual inf 3.781226e+15 (604849)

 length of U 9954, length of L 4810

68000 Obj 6.888585e+09 Primal inf 335581.99 (219221) Dual inf 3.7907205e+15 (602556)

 length of U 10106, length of L 4905

70000 Obj 6.8874554e+09 Primal inf 335544.61 (219209) Dual inf 3.7920175e+15 (600643)

 length of U 10344, length of L 5136

72000 Obj 6.8847466e+09 Primal inf 335475.49 (219153) Dual inf 3.7909933e+15 (598648)

 length of U 10391, length of L 5164

74000 Obj 6.8827826e+09 Primal inf 335413.49 (219144) Dual inf 3.7983214e+15 (597004)

 length of U 10518, length of L 5332

76000 Obj 6.8808649e+09 Primal inf 335360.4 (219111) Dual inf 3.7954887e+15 (595565)

 length of U 10641, length of L 5497

78000 Obj 6.8793577e+09 Primal inf 335318.36 (219081) Dual inf 3.8014164e+15 (593188)

 length of U 10692, length of L 5507

80000 Obj 6.8785608e+09 Primal inf 335298.58 (219080) Dual inf 3.8016917e+15 (591209)

 length of U 10887, length of L 5608

82000 Obj 6.8764926e+09 Primal inf 335238.41 (219062) Dual inf 3.8037828e+15 (588955)

 length of U 11121, length of L 5806

84000 Obj 6.8755968e+09 Primal inf 335175.02 (219022) Dual inf 3.8159461e+15 (587714)

 length of U 11480, length of L 5969

86000 Obj 6.8715158e+09 Primal inf 335046.27 (218979) Dual inf 3.8140751e+15 (585797)

 length of U 11817, length of L 6395

88000 Obj 6.8675168e+09 Primal inf 334929.44 (218903) Dual inf 3.8037789e+15 (583540)

 length of U 12027, length of L 6533

90000 Obj 6.865568e+09 Primal inf 334855.38 (218878) Dual inf 3.80947e+15 (583319)

 length of U 12326, length of L 6618

92000 Obj 6.8634932e+09 Primal inf 334766.09 (218844) Dual inf 3.8110457e+15 (582907)

 length of U 12636, length of L 6878

94000 Obj 6.8600617e+09 Primal inf 334667.46 (218788) Dual inf 3.814706e+15 (580789)

 length of U 12797, length of L 6971

96000 Obj 6.8596758e+09 Primal inf 334643.99 (218771) Dual inf 3.8126409e+15 (578159)

 length of U 12998, length of L 7337

98000 Obj 6.855523e+09 Primal inf 334537.53 (218712) Dual inf 3.8282272e+15 (576904)

 length of U 13236, length of L 7611

100000 Obj 6.8532096e+09 Primal inf 334445.33 (218658) Dual inf 3.8186757e+15 (575268)

 length of U 13556, length of L 7679

102000 Obj 6.8519804e+09 Primal inf 334401.56 (218627) Dual inf 3.8299716e+15 (573492)

 length of U 13968, length of L 7800

104000 Obj 6.8497282e+09 Primal inf 334342.9 (218592) Dual inf 3.8328813e+15 (571514)

 length of U 14064, length of L 8046

106000 Obj 6.8487579e+09 Primal inf 334295.81 (218541) Dual inf 3.8416239e+15 (570431)

 length of U 14344, length of L 8134

108000 Obj 6.8439031e+09 Primal inf 334173.38 (218492) Dual inf 3.8426528e+15 (567546)

 length of U 14801, length of L 8195

110000 Obj 6.8426171e+09 Primal inf 334081.3 (218435) Dual inf 3.8591135e+15 (567197)

 length of U 14850, length of L 8553

112000 Obj 6.8410801e+09 Primal inf 334013.27 (218358) Dual inf 3.8695428e+15 (564433)

 length of U 15924, length of L 8816

114000 Obj 6.8405488e+09 Primal inf 333995.48 (218097) Dual inf 3.8761382e+15 (562639)

 length of U 16670, length of L 9176

116000 Obj 6.8405144e+09 Primal inf 333995.47 (217986) Dual inf 3.8740535e+15 (560870)

 length of U 18083, length of L 9291

118000 Obj 6.8404977e+09 Primal inf 333988.27 (217523) Dual inf 3.8682198e+15 (558662)

 length of U 21111, length of L 9296

119219 Obj 6.8404721e+09 Primal inf 333966.63 (216365) Dual inf 3.8544068e+15 (557029)

 length of U 24121, length of L 9301

120426 Obj 6.8404698e+09 Primal inf 333965.16 (215184) Dual inf 3.841489e+15 (555622)

 length of U 27125, length of L 9303

121543 Obj 6.8404694e+09 Primal inf 333964.87 (214229) Dual inf 3.8335803e+15 (554581)

 length of U 30198, length of L 9310

122621 Obj 6.8398893e+09 Primal inf 333938.79 (213323) Dual inf 3.8357535e+15 (553855)

 length of U 33228, length of L 9387

123803 Obj 6.8392605e+09 Primal inf 333919.54 (212183) Dual inf 3.8323649e+15 (552612)

 length of U 36231, length of L 9413

124966 Obj 6.8388858e+09 Primal inf 333912.14 (211035) Dual inf 3.8200991e+15 (550884)

 length of U 39232, length of L 9434

126173 Obj 6.8388844e+09 Primal inf 333911.92 (209851) Dual inf 3.81645e+15 (549594)

 length of U 42237, length of L 9445

127359 Obj 6.8388831e+09 Primal inf 333911.75 (208747) Dual inf 3.8162548e+15 (548464)

 length of U 45245, length of L 9467

128485 Obj 6.8387494e+09 Primal inf 333906.02 (207920) Dual inf 3.8126765e+15 (547084)

 length of U 48276, length of L 9554

129638 Obj 6.8376257e+09 Primal inf 333885.84 (206796) Dual inf 3.8065286e+15 (545724)

 length of U 51286, length of L 9592

130817 Obj 6.8367312e+09 Primal inf 333875.9 (205629) Dual inf 3.8001217e+15 (544248)

 length of U 54292, length of L 9644

131994 Obj 6.8357701e+09 Primal inf 333865.21 (204456) Dual inf 3.7949265e+15 (542909)

 length of U 57297, length of L 9697

133175 Obj 6.8351565e+09 Primal inf 333858.34 (203283) Dual inf 3.7964552e+15 (541913)

 length of U 60305, length of L 9719

134382 Obj 6.8346629e+09 Primal inf 333852.79 (202165) Dual inf 3.7968922e+15 (540755)

 length of U 63305, length of L 9730

135550 Obj 6.8342302e+09 Primal inf 333848.05 (201222) Dual inf 3.7936476e+15 (539454)

 length of U 66305, length of L 9730

136812 Obj 6.8342302e+09 Primal inf 333847.95 (199990) Dual inf 3.7794907e+15 (537713)

 length of U 69305, length of L 9730

138009 Obj 6.8342301e+09 Primal inf 333847.83 (198798) Dual inf 3.7686257e+15 (536124)

 length of U 72305, length of L 9730

139155 Obj 6.8342301e+09 Primal inf 333847.73 (197681) Dual inf 3.7611322e+15 (534779)

 length of U 75345, length of L 9748

140330 Obj 6.8339413e+09 Primal inf 333833.95 (196570) Dual inf 3.7576734e+15 (533245)

 length of U 78347, length of L 9882

141619 Obj 6.8335619e+09 Primal inf 333823.22 (195298) Dual inf 3.7672749e+15 (531773)

 length of U 81370, length of L 9968

142860 Obj 6.8332037e+09 Primal inf 333815.31 (194062) Dual inf 3.7640677e+15 (530605)

 length of U 84397, length of L 9977

144096 Obj 6.8328851e+09 Primal inf 333808.52 (192832) Dual inf 3.7607615e+15 (529314)

 length of U 87403, length of L 9998

145265 Obj 6.8326602e+09 Primal inf 333803.79 (191696) Dual inf 3.7613704e+15 (528165)

 length of U 90463, length of L 10136

146470 Obj 6.8321658e+09 Primal inf 333772.57 (190546) Dual inf 3.7537209e+15 (526542)

 length of U 93469, length of L 10266

147792 Obj 6.8316174e+09 Primal inf 333758.61 (189240) Dual inf 3.7347976e+15 (525113)

 length of U 96475, length of L 10339

149169 Obj 6.8311559e+09 Primal inf 333752.99 (187873) Dual inf 3.731625e+15 (523969)

 length of U 99474, length of L 10375

150477 Obj 6.8307153e+09 Primal inf 333747.8 (186598) Dual inf 3.7315448e+15 (522726)

 length of U 102485, length of L 10404

151629 Obj 6.8303451e+09 Primal inf 333735.04 (185476) Dual inf 3.7307267e+15 (521475)

 length of U 105547, length of L 10495

152903 Obj 6.8297469e+09 Primal inf 333702.12 (184231) Dual inf 3.7324175e+15 (520106)

 length of U 108554, length of L 10527

154170 Obj 6.8292881e+09 Primal inf 333693.29 (182976) Dual inf 3.7282129e+15 (518705)

 length of U 111552, length of L 10548

155393 Obj 6.8288512e+09 Primal inf 333685.14 (181802) Dual inf 3.7306752e+15 (517359)

 length of U 114626, length of L 10671

156890 Obj 6.8282232e+09 Primal inf 333637.46 (180349) Dual inf 3.7276018e+15 (515402)

 length of U 117637, length of L 10731

158277 Obj 6.8276116e+09 Primal inf 333621.12 (178970) Dual inf 3.7251567e+15 (513854)

 length of U 120644, length of L 10782

159483 Obj 6.8273867e+09 Primal inf 333618.45 (177838) Dual inf 3.7200297e+15 (512442)

 length of U 123733, length of L 10999

160749 Obj 6.8254204e+09 Primal inf 333573.21 (176604) Dual inf 3.7216116e+15 (510713)

 length of U 126754, length of L 11155

162260 Obj 6.8247339e+09 Primal inf 333565.19 (175099) Dual inf 3.7185968e+15 (509515)

 length of U 129802, length of L 11241

163368 Obj 6.8242032e+09 Primal inf 333551.72 (174017) Dual inf 3.7116309e+15 (507768)

 length of U 132980, length of L 11368

164602 Obj 6.8233591e+09 Primal inf 333522.26 (172815) Dual inf 3.7152503e+15 (506292)

 length of U 135934, length of L 11615

165976 Obj 6.8232135e+09 Primal inf 333517.52 (171460) Dual inf 3.7185713e+15 (504965)

 length of U 138933, length of L 11749

167200 Obj 6.8231075e+09 Primal inf 333515.13 (170247) Dual inf 3.714647e+15 (503690)

 length of U 140341, length of L 12092

169200 Obj 6.821904e+09 Primal inf 333473.13 (168303) Dual inf 3.690868e+15 (500186)

 length of U 143362, length of L 12172

170714 Obj 6.8216371e+09 Primal inf 333468.01 (166801) Dual inf 3.678576e+15 (498126)

 length of U 146318, length of L 12524

171911 Obj 6.8203346e+09 Primal inf 333424.52 (165632) Dual inf 3.6838144e+15 (496725)

 length of U 149306, length of L 12764

173325 Obj 6.8203312e+09 Primal inf 333422.51 (164231) Dual inf 3.6796978e+15 (495178)

 length of U 152344, length of L 12877

174772 Obj 6.82033e+09 Primal inf 333421.86 (162806) Dual inf 3.6717232e+15 (493566)

 length of U 154153, length of L 12935

176772 Obj 6.8202978e+09 Primal inf 333411.21 (160895) Dual inf 3.642128e+15 (489994)

 length of U 155177, length of L 12978

178772 Obj 6.8202956e+09 Primal inf 333411.09 (158998) Dual inf 3.5957199e+15 (486078)

 length of U 158215, length of L 13002

180327 Obj 6.820292e+09 Primal inf 333407.01 (157711) Dual inf 3.5835685e+15 (484091)

 length of U 159671, length of L 13264

182327 Obj 6.8202626e+09 Primal inf 333392.23 (155794) Dual inf 3.5604948e+15 (480650)

 length of U 162671, length of L 13377

183894 Obj 6.819873e+09 Primal inf 333383.02 (154331) Dual inf 3.5609827e+15 (478740)

 length of U 165769, length of L 13601

185191 Obj 6.8173887e+09 Primal inf 333337.89 (153056) Dual inf 3.5583336e+15 (477252)

 length of U 168743, length of L 13800

186576 Obj 6.8154375e+09 Primal inf 333315.73 (151684) Dual inf 3.5441319e+15 (475531)

 length of U 171738, length of L 13907

187949 Obj 6.8138621e+09 Primal inf 333297.99 (150342) Dual inf 3.5352341e+15 (473884)

 length of U 174733, length of L 13965

189674 Obj 6.813311e+09 Primal inf 333291.92 (148715) Dual inf 3.5070118e+15 (471273)

 length of U 177733, length of L 13965

191593 Obj 6.813311e+09 Primal inf 333291.89 (146983) Dual inf 3.462399e+15 (468003)

 length of U 180825, length of L 14209

192831 Obj 6.8099797e+09 Primal inf 333232.52 (145784) Dual inf 3.4587111e+15 (466408)

 length of U 183786, length of L 14493

194420 Obj 6.8090759e+09 Primal inf 333221.3 (144221) Dual inf 3.4466602e+15 (464207)

 length of U 186785, length of L 14544

195696 Obj 6.8086037e+09 Primal inf 333215.53 (143113) Dual inf 3.4432419e+15 (462766)

 length of U 189865, length of L 14659

197607 Obj 6.8075155e+09 Primal inf 333164.05 (141237) Dual inf 3.4196367e+15 (459932)

 length of U 192885, length of L 14714

199313 Obj 6.8068089e+09 Primal inf 333149.84 (139568) Dual inf 3.3968693e+15 (457399)

 length of U 195428, length of L 14776

201313 Obj 6.8053357e+09 Primal inf 333111.72 (137606) Dual inf 3.357394e+15 (453568)

 length of U 197746, length of L 14811

203313 Obj 6.8049491e+09 Primal inf 333103.72 (135657) Dual inf 3.3182626e+15 (450086)

 length of U 200750, length of L 14855

205030 Obj 6.8049461e+09 Primal inf 333103.68 (134046) Dual inf 3.2981021e+15 (447537)

 length of U 203851, length of L 15002

206580 Obj 6.8047301e+09 Primal inf 333093.13 (132590) Dual inf 3.2895506e+15 (445145)

 length of U 206860, length of L 15083

208132 Obj 6.8047282e+09 Primal inf 333092.67 (131100) Dual inf 3.2875557e+15 (443584)

 length of U 209868, length of L 15105

209590 Obj 6.804727e+09 Primal inf 333092.63 (129695) Dual inf 3.2816104e+15 (441717)

 length of U 213038, length of L 15163

210742 Obj 6.8038346e+09 Primal inf 333068.06 (128597) Dual inf 3.275488e+15 (439969)

 length of U 215944, length of L 15368

212061 Obj 6.8037976e+09 Primal inf 333067.89 (127376) Dual inf 3.2664681e+15 (438435)

 length of U 218965, length of L 15443

213409 Obj 6.8037924e+09 Primal inf 333067.75 (126114) Dual inf 3.2622619e+15 (436839)

 length of U 221993, length of L 15487

214784 Obj 6.8037889e+09 Primal inf 333067.57 (124760) Dual inf 3.2639274e+15 (435340)

 length of U 225004, length of L 15527

215955 Obj 6.8034415e+09 Primal inf 333056.53 (123601) Dual inf 3.2626767e+15 (434036)

 length of U 228063, length of L 15706

217457 Obj 6.8020755e+09 Primal inf 333027.39 (122177) Dual inf 3.255217e+15 (431850)

 length of U 231044, length of L 15861

218996 Obj 6.8015632e+09 Primal inf 333020.65 (120688) Dual inf 3.2463259e+15 (429859)

 length of U 234050, length of L 15903

220317 Obj 6.8011693e+09 Primal inf 333015.66 (119376) Dual inf 3.2445393e+15 (428308)

 length of U 237093, length of L 15903

221559 Obj 6.800515e+09 Primal inf 332997.64 (118395) Dual inf 3.2379583e+15 (426675)

 length of U 240160, length of L 15989

222927 Obj 6.7991891e+09 Primal inf 332971.87 (117053) Dual inf 3.2447947e+15 (424713)

 length of U 243164, length of L 16030

224735 Obj 6.7979802e+09 Primal inf 332956.77 (115314) Dual inf 3.2212781e+15 (422104)

 length of U 246159, length of L 16064

226412 Obj 6.7970133e+09 Primal inf 332945.06 (113783) Dual inf 3.2060145e+15 (419742)

 length of U 249207, length of L 16154

227752 Obj 6.7956072e+09 Primal inf 332916.13 (112487) Dual inf 3.1754825e+15 (417575)

 length of U 252213, length of L 16219

229423 Obj 6.79498e+09 Primal inf 332907.93 (110819) Dual inf 3.1578667e+15 (415402)

 length of U 255226, length of L 16242

231076 Obj 6.7949193e+09 Primal inf 332906.75 (109236) Dual inf 3.1381267e+15 (413120)

 length of U 258235, length of L 16255

232427 Obj 6.7949127e+09 Primal inf 332903.88 (107989) Dual inf 3.1255528e+15 (411238)

 length of U 261235, length of L 16255

234180 Obj 6.7949004e+09 Primal inf 332898.43 (106263) Dual inf 3.0875057e+15 (408163)

 length of U 264245, length of L 16263

236048 Obj 6.7948872e+09 Primal inf 332892.12 (104442) Dual inf 3.0456779e+15 (404689)

 length of U 267262, length of L 16276

237316 Obj 6.7948811e+09 Primal inf 332888.2 (103456) Dual inf 3.0376787e+15 (403138)

 length of U 270288, length of L 16296

239275 Obj 6.7948542e+09 Primal inf 332873.04 (101505) Dual inf 2.9974726e+15 (399464)

 length of U 273304, length of L 16302

240940 Obj 6.7948511e+09 Primal inf 332870.5 (99878) Dual inf 2.9733251e+15 (396870)

 length of U 276316, length of L 16427

242191 Obj 6.7933378e+09 Primal inf 332836.73 (98674) Dual inf 2.9798401e+15 (394990)

 length of U 279325, length of L 16599

243657 Obj 6.7932954e+09 Primal inf 332835.43 (97276) Dual inf 2.9361025e+15 (392979)

 length of U 282293, length of L 16736

245115 Obj 6.7932947e+09 Primal inf 332834.89 (95862) Dual inf 2.9157587e+15 (391255)

 length of U 285316, length of L 16783

246411 Obj 6.7932942e+09 Primal inf 332834.66 (94576) Dual inf 2.9033505e+15 (389713)

 length of U 288320, length of L 16988

247627 Obj 6.7920848e+09 Primal inf 332813.5 (93424) Dual inf 2.9016137e+15 (388063)

 length of U 291302, length of L 17156

248956 Obj 6.7907435e+09 Primal inf 332796.06 (92144) Dual inf 2.8945931e+15 (386756)

 length of U 294284, length of L 17273

250108 Obj 6.7896342e+09 Primal inf 332782.13 (90999) Dual inf 2.8861408e+15 (385307)

 length of U 297304, length of L 17328

251352 Obj 6.7883877e+09 Primal inf 332766.84 (89801) Dual inf 2.8843186e+15 (384005)

 length of U 300443, length of L 17327

252476 Obj 6.7872441e+09 Primal inf 332745.99 (88699) Dual inf 2.8829959e+15 (382992)

 length of U 303409, length of L 17590

254131 Obj 6.7863743e+09 Primal inf 332720.76 (87075) Dual inf 2.8662376e+15 (380207)

 length of U 306408, length of L 17643

255678 Obj 6.78637e+09 Primal inf 332719.65 (85531) Dual inf 2.8547043e+15 (378168)

 length of U 309413, length of L 17692

257051 Obj 6.7863662e+09 Primal inf 332719.04 (84169) Dual inf 2.8502958e+15 (376703)

 length of U 312354, length of L 17833

258298 Obj 6.7853338e+09 Primal inf 332692.01 (82951) Dual inf 2.845746e+15 (375191)

 length of U 315409, length of L 17879

259518 Obj 6.7848745e+09 Primal inf 332683.53 (81739) Dual inf 2.8401275e+15 (373664)

 length of U 318411, length of L 17912

260767 Obj 6.7848717e+09 Primal inf 332682.53 (80533) Dual inf 2.8380281e+15 (372457)

 length of U 321432, length of L 17907

262000 Obj 6.7848683e+09 Primal inf 332681.91 (79306) Dual inf 2.835766e+15 (371278)

 length of U 324456, length of L 17953

263249 Obj 6.7843676e+09 Primal inf 332670.91 (78074) Dual inf 2.8298563e+15 (369745)

 length of U 327569, length of L 18024

264464 Obj 6.7828418e+09 Primal inf 332648.93 (76880) Dual inf 2.8330594e+15 (368398)

 length of U 330504, length of L 18180

265890 Obj 6.7808906e+09 Primal inf 332622.47 (75465) Dual inf 2.8293456e+15 (366674)

 length of U 333530, length of L 18207

267068 Obj 6.7796799e+09 Primal inf 332605.09 (74295) Dual inf 2.8317461e+15 (365598)

 length of U 336524, length of L 18244

268242 Obj 6.7789267e+09 Primal inf 332595.22 (73129) Dual inf 2.8260575e+15 (364457)

 length of U 339540, length of L 18322

269522 Obj 6.7774815e+09 Primal inf 332565.53 (71870) Dual inf 2.8169662e+15 (362441)

 length of U 342595, length of L 18397

270905 Obj 6.7760661e+09 Primal inf 332545.51 (70497) Dual inf 2.7987962e+15 (360450)

 length of U 345668, length of L 18387

272188 Obj 6.7747065e+09 Primal inf 332527.8 (69222) Dual inf 2.7939574e+15 (359107)

 length of U 348622, length of L 18459

273387 Obj 6.7737661e+09 Primal inf 332515.44 (68032) Dual inf 2.7959154e+15 (357944)

 length of U 351623, length of L 18463

274681 Obj 6.7730401e+09 Primal inf 332506.41 (66752) Dual inf 2.790289e+15 (356416)

 length of U 354697, length of L 18552

275910 Obj 6.7719565e+09 Primal inf 332482.06 (65560) Dual inf 2.7778125e+15 (354430)

 length of U 357690, length of L 18693

277142 Obj 6.7716205e+09 Primal inf 332476.87 (64349) Dual inf 2.7750799e+15 (353056)

 length of U 360741, length of L 18745

278318 Obj 6.7715875e+09 Primal inf 332475.65 (63180) Dual inf 2.769336e+15 (351656)

 length of U 363740, length of L 18811

279502 Obj 6.7715871e+09 Primal inf 332475.11 (61999) Dual inf 2.764907e+15 (350224)

 length of U 366728, length of L 18892

280708 Obj 6.7715868e+09 Primal inf 332474.9 (60869) Dual inf 2.7624446e+15 (348866)

 length of U 369823, length of L 18951

281961 Obj 6.7707977e+09 Primal inf 332448.82 (59689) Dual inf 2.7602386e+15 (347195)

 length of U 372846, length of L 19088

283204 Obj 6.7702461e+09 Primal inf 332435.72 (58453) Dual inf 2.7702853e+15 (345863)

 length of U 375862, length of L 19218

284415 Obj 6.7701209e+09 Primal inf 332432.19 (57245) Dual inf 2.748598e+15 (344439)

 length of U 378862, length of L 19325

285605 Obj 6.770116e+09 Primal inf 332431.07 (56057) Dual inf 2.7476302e+15 (343141)

 length of U 381861, length of L 19415

286815 Obj 6.7701136e+09 Primal inf 332430.35 (54868) Dual inf 2.7455045e+15 (341774)

 length of U 384876, length of L 19504

287962 Obj 6.7697276e+09 Primal inf 332416.59 (54005) Dual inf 2.7439186e+15 (340483)

 length of U 387918, length of L 19751

289262 Obj 6.7691596e+09 Primal inf 332398.42 (52719) Dual inf 2.7443494e+15 (338616)

 length of U 390917, length of L 19842

290603 Obj 6.7691582e+09 Primal inf 332396.43 (51389) Dual inf 2.7431126e+15 (337029)

 length of U 393925, length of L 19898

291841 Obj 6.7691574e+09 Primal inf 332394.97 (50160) Dual inf 2.7427305e+15 (335827)

 length of U 396938, length of L 19931

293166 Obj 6.7691564e+09 Primal inf 332394.38 (49051) Dual inf 2.745345e+15 (334544)

 length of U 399965, length of L 20002

294478 Obj 6.7686797e+09 Primal inf 332377.18 (48051) Dual inf 2.7510408e+15 (332920)

 length of U 402932, length of L 20225

295790 Obj 6.7677476e+09 Primal inf 332355.51 (46727) Dual inf 2.7543213e+15 (331770)

 length of U 405921, length of L 20353

297027 Obj 6.7673222e+09 Primal inf 332345.08 (45481) Dual inf 2.7552212e+15 (330483)

 length of U 408853, length of L 20487

298333 Obj 6.7673211e+09 Primal inf 332344.32 (44350) Dual inf 2.7592103e+15 (329281)

 length of U 411880, length of L 20533

299418 Obj 6.7673204e+09 Primal inf 332344.29 (43609) Dual inf 2.7612883e+15 (328276)

 length of U 414898, length of L 20533

300499 Obj 6.7673204e+09 Primal inf 332344.27 (42551) Dual inf 2.7571672e+15 (327105)

 length of U 417918, length of L 20533

301499 Obj 6.7673204e+09 Primal inf 332344.26 (41763) Dual inf 2.7561019e+15 (326084)

 length of U 420958, length of L 20533

302499 Obj 6.7673204e+09 Primal inf 332344.22 (40807) Dual inf 2.7546858e+15 (325063)

 length of U 423988, length of L 20533

303580 Obj 6.7673204e+09 Primal inf 332344.2 (39894) Dual inf 2.7501151e+15 (323887)

 length of U 427030, length of L 20533

304593 Obj 6.7673204e+09 Primal inf 332344.17 (38908) Dual inf 2.7481316e+15 (322840)

 length of U 430054, length of L 20533

305599 Obj 6.7673204e+09 Primal inf 332344.15 (38188) Dual inf 2.7465433e+15 (321819)

 length of U 433104, length of L 20533

306600 Obj 6.7673204e+09 Primal inf 332344.12 (37245) Dual inf 2.7448042e+15 (320810)

 length of U 435220, length of L 20610

307803 Obj 6.7673203e+09 Primal inf 332344.09 (36785) Dual inf 2.7439953e+15 (320889)

 length of U 435321, length of L 21455

309045 Obj 6.7673192e+09 Primal inf 332344.02 (36443) Dual inf 2.7397825e+15 (320094)

 length of U 435966, length of L 21875

310377 Obj 6.7673176e+09 Primal inf 332343.67 (36069) Dual inf 2.7374142e+15 (318886)

 length of U 437722, length of L 22378

312208 Obj 6.7673169e+09 Primal inf 332343.28 (35255) Dual inf 2.7261425e+15 (317021)

 length of U 438184, length of L 22734

313476 Obj 6.7673151e+09 Primal inf 332343.2 (34918) Dual inf 2.7164834e+15 (315703)

 length of U 436962, length of L 24343

314605 Obj 6.7673089e+09 Primal inf 332343.2 (34813) Dual inf 2.7137768e+15 (315153)

 length of U 435476, length of L 26177

316079 Obj 6.7673033e+09 Primal inf 332343.17 (34631) Dual inf 2.7038215e+15 (314384)

 length of U 434924, length of L 27197

317456 Obj 6.7672996e+09 Primal inf 332343.11 (34441) Dual inf 2.6959544e+15 (313220)

 length of U 433615, length of L 29216

319456 Obj 6.7672933e+09 Primal inf 332343.05 (33971) Dual inf 2.679013e+15 (311381)

 length of U 434157, length of L 29265

320713 Obj 6.7672921e+09 Primal inf 332343.03 (33736) Dual inf 2.6723657e+15 (310352)

 length of U 435479, length of L 29347

322329 Obj 6.7672887e+09 Primal inf 332342.74 (33181) Dual inf 2.6598703e+15 (308676)

 length of U 438272, length of L 29389

324029 Obj 6.7672864e+09 Primal inf 332341.91 (32173) Dual inf 2.6483602e+15 (306738)

 length of U 438780, length of L 29550

325467 Obj 6.7672814e+09 Primal inf 332341.86 (31912) Dual inf 2.6425738e+15 (306140)

 length of U 439125, length of L 29457

326737 Obj 6.7672713e+09 Primal inf 332341.85 (31781) Dual inf 2.6379227e+15 (303551)

 length of U 439549, length of L 29393

328235 Obj 6.7672634e+09 Primal inf 332341.71 (31589) Dual inf 2.6287789e+15 (302053)

 length of U 440133, length of L 29271

329628 Obj 6.767259e+09 Primal inf 332341.64 (31406) Dual inf 2.623699e+15 (300729)

 length of U 440722, length of L 29244

331628 Obj 6.767248e+09 Primal inf 332341.54 (31023) Dual inf 2.6097021e+15 (299482)

 length of U 441212, length of L 29306

333537 Obj 6.7672443e+09 Primal inf 332341.51 (30670) Dual inf 2.6045805e+15 (297774)

 length of U 441895, length of L 29498

335005 Obj 6.7672427e+09 Primal inf 332341.32 (30347) Dual inf 2.5984713e+15 (296256)

 length of U 443729, length of L 29905

336980 Obj 6.7672314e+09 Primal inf 332340.31 (29501) Dual inf 2.5877803e+15 (294156)

 length of U 444546, length of L 30586

338791 Obj 6.7672247e+09 Primal inf 332340.05 (28987) Dual inf 2.583066e+15 (294257)

 length of U 444966, length of L 30920

340114 Obj 6.7672184e+09 Primal inf 332339.98 (28738) Dual inf 2.5776276e+15 (292723)

 length of U 445313, length of L 30975

341706 Obj 6.7672071e+09 Primal inf 332339.9 (28585) Dual inf 2.5738263e+15 (290696)

 length of U 445511, length of L 31011

343388 Obj 6.7672001e+09 Primal inf 332339.85 (28450) Dual inf 2.5679488e+15 (288598)

 length of U 445435, length of L 31444

345388 Obj 6.7671913e+09 Primal inf 332339.8 (28101) Dual inf 2.5550055e+15 (288833)

 length of U 445938, length of L 31584

347276 Obj 6.7671881e+09 Primal inf 332339.77 (27752) Dual inf 2.5409279e+15 (287397)

 length of U 446468, length of L 31834

348797 Obj 6.7671867e+09 Primal inf 332339.64 (27468) Dual inf 2.5357378e+15 (286442)

 length of U 448314, length of L 32072

350766 Obj 6.7671698e+09 Primal inf 332338.46 (26733) Dual inf 2.5314844e+15 (283990)

 length of U 449780, length of L 32200

352242 Obj 6.767165e+09 Primal inf 332338.23 (26201) Dual inf 2.5243965e+15 (284268)

 length of U 450392, length of L 32218

353405 Obj 6.7671613e+09 Primal inf 332338.16 (25972) Dual inf 2.5173782e+15 (281814)

 length of U 450074, length of L 32629

354714 Obj 6.7671487e+09 Primal inf 332338.15 (25923) Dual inf 2.5152767e+15 (278767)

 length of U 450522, length of L 32631

356096 Obj 6.7671443e+09 Primal inf 332337.97 (25746) Dual inf 2.5089797e+15 (277193)

 length of U 450764, length of L 32693

357527 Obj 6.767138e+09 Primal inf 332337.8 (25607) Dual inf 2.5042808e+15 (275393)

 length of U 451016, length of L 32812

359527 Obj 6.7671335e+09 Primal inf 332337.74 (25391) Dual inf 2.4990838e+15 (279773)

 length of U 451271, length of L 33046

361231 Obj 6.7671308e+09 Primal inf 332337.7 (25117) Dual inf 2.486761e+15 (277160)

 length of U 451460, length of L 33747

362857 Obj 6.7671294e+09 Primal inf 332337.55 (24793) Dual inf 2.4792392e+15 (276524)

 length of U 452309, length of L 35317

364857 Obj 6.7671194e+09 Primal inf 332336.31 (24009) Dual inf 2.4760264e+15 (273443)

 length of U 453348, length of L 36081

366275 Obj 6.7671168e+09 Primal inf 332336.03 (23415) Dual inf 2.466583e+15 (273445)

 length of U 453818, length of L 36302

367369 Obj 6.7671134e+09 Primal inf 332335.96 (23159) Dual inf 2.4582217e+15 (272641)

 length of U 454096, length of L 36590

368716 Obj 6.7671034e+09 Primal inf 332335.9 (22974) Dual inf 2.454939e+15 (268888)

 length of U 454150, length of L 36945

370102 Obj 6.7670984e+09 Primal inf 332335.72 (22801) Dual inf 2.4484482e+15 (268308)

 length of U 454161, length of L 37218

371608 Obj 6.7670947e+09 Primal inf 332335.62 (22710) Dual inf 2.4460981e+15 (268178)

 length of U 454165, length of L 37441

373608 Obj 6.7670879e+09 Primal inf 332335.59 (22422) Dual inf 2.4421518e+15 (269091)

 length of U 454438, length of L 37598

375527 Obj 6.7670835e+09 Primal inf 332335.57 (22142) Dual inf 2.4282974e+15 (268430)

 length of U 454574, length of L 38113

377169 Obj 6.7670814e+09 Primal inf 332335.47 (21862) Dual inf 2.4195579e+15 (266486)

 length of U 455654, length of L 39201

379118 Obj 6.7670656e+09 Primal inf 332334.45 (21128) Dual inf 2.4149117e+15 (265257)

 length of U 456782, length of L 39870

380831 Obj 6.7670626e+09 Primal inf 332334.19 (20543) Dual inf 2.4065032e+15 (263713)

 length of U 457575, length of L 39872

382059 Obj 6.7670566e+09 Primal inf 332334.12 (20251) Dual inf 2.3970981e+15 (263071)

 length of U 457661, length of L 39994

383449 Obj 6.7670424e+09 Primal inf 332334.12 (20193) Dual inf 2.395281e+15 (260120)

 length of U 457722, length of L 40182

384910 Obj 6.7670355e+09 Primal inf 332334.06 (20102) Dual inf 2.3932974e+15 (257488)

 length of U 458050, length of L 40281

386373 Obj 6.7670316e+09 Primal inf 332333.99 (19966) Dual inf 2.390432e+15 (256039)

 length of U 458306, length of L 40358

388373 Obj 6.7670217e+09 Primal inf 332333.85 (19657) Dual inf 2.3801742e+15 (255708)

 length of U 457946, length of L 40894

390133 Obj 6.7669722e+09 Primal inf 332333.84 (19545) Dual inf 2.3821606e+15 (255344)

 length of U 456455, length of L 42664

391400 Obj 6.7669591e+09 Primal inf 332333.84 (19535) Dual inf 2.3820767e+15 (255720)

 length of U 454736, length of L 44641

392761 Obj 6.7669572e+09 Primal inf 332333.84 (19520) Dual inf 2.3816091e+15 (254920)

 length of U 453491, length of L 46324

394393 Obj 6.7669489e+09 Primal inf 332333.82 (19467) Dual inf 2.3814907e+15 (254765)

 length of U 453062, length of L 47828

396041 Obj 6.7669364e+09 Primal inf 332333.79 (19217) Dual inf 2.3811241e+15 (254120)

 length of U 452796, length of L 48868

397484 Obj 6.7669271e+09 Primal inf 332333.78 (19053) Dual inf 2.3800343e+15 (252371)

 length of U 451420, length of L 50690

399367 Obj 6.7669113e+09 Primal inf 332333.78 (19040) Dual inf 2.3798886e+15 (254534)

 length of U 449741, length of L 53035

400837 Obj 6.7669057e+09 Primal inf 332333.77 (18994) Dual inf 2.3798922e+15 (254007)

 length of U 447405, length of L 55906

402479 Obj 6.7669007e+09 Primal inf 332333.77 (18929) Dual inf 2.3794133e+15 (256878)

 length of U 442634, length of L 61480

404221 Obj 6.7668933e+09 Primal inf 332333.77 (18904) Dual inf 2.3791825e+15 (256351)

 length of U 438526, length of L 66378

405874 Obj 6.76689e+09 Primal inf 332333.77 (18866) Dual inf 2.379095e+15 (255562)

 length of U 434288, length of L 71275

407442 Obj 6.7668852e+09 Primal inf 332333.77 (18817) Dual inf 2.3791158e+15 (255525)

 length of U 427159, length of L 79190

409302 Obj 6.7668821e+09 Primal inf 332333.76 (18786) Dual inf 2.3790337e+15 (248554)

 length of U 421677, length of L 85280

410808 Obj 6.7668814e+09 Primal inf 332333.76 (18769) Dual inf 2.3789429e+15 (250173)

 length of U 416607, length of L 91198

412808 Obj 6.7668639e+09 Primal inf 332333.74 (18710) Dual inf 2.3768434e+15 (246427)

 length of U 416183, length of L 91659

414808 Obj 6.7668621e+09 Primal inf 332333.28 (18260) Dual inf 2.3677334e+15 (244044)

 length of U 414849, length of L 93002

416808 Obj 6.7668546e+09 Primal inf 332332.01 (17835) Dual inf 2.3596417e+15 (243732)

 length of U 412467, length of L 95390

418808 Obj 6.766853e+09 Primal inf 332331.04 (17612) Dual inf 2.3575901e+15 (244912)

 length of U 411837, length of L 96022

420808 Obj 6.766848e+09 Primal inf 332330.82 (17455) Dual inf 2.3556577e+15 (244225)

 length of U 409729, length of L 98145

422808 Obj 6.7668454e+09 Primal inf 332330.17 (16989) Dual inf 2.3488563e+15 (233911)

 length of U 407795, length of L 100097

424808 Obj 6.7668447e+09 Primal inf 332329.65 (16644) Dual inf 2.3443846e+15 (230711)

 length of U 405877, length of L 101999

426808 Obj 6.7668635e+09 Primal inf 332322.81 (16318) Dual inf 2.3366131e+15 (229319)

 length of U 404546, length of L 103302

428808 Obj 6.7668626e+09 Primal inf 332322.36 (15855) Dual inf 2.3250749e+15 (227327)

 length of U 403411, length of L 104398

430808 Obj 6.7668616e+09 Primal inf 332321.88 (15521) Dual inf 2.3202059e+15 (225751)

 length of U 401506, length of L 106327

432808 Obj 6.7668993e+09 Primal inf 332307.27 (15139) Dual inf 2.3135756e+15 (222717)

 length of U 389961, length of L 117928

434808 Obj 6.7668759e+09 Primal inf 332304.32 (14924) Dual inf 2.3203678e+15 (224376)

 length of U 383514, length of L 124331

436808 Obj 6.7668713e+09 Primal inf 332294.9 (14457) Dual inf 2.3191116e+15 (244322)

 length of U 375000, length of L 132846

438808 Obj 6.7668633e+09 Primal inf 332294.75 (14100) Dual inf 2.3198392e+15 (251569)

 length of U 372975, length of L 134881

440808 Obj 6.7668739e+09 Primal inf 332288.03 (13166) Dual inf 2.2955665e+15 (260832)

 length of U 372114, length of L 135764

442808 Obj 6.7668724e+09 Primal inf 332287.73 (12610) Dual inf 2.2893738e+15 (260404)

 length of U 370094, length of L 137764

444808 Obj 6.7668889e+09 Primal inf 332280.41 (11695) Dual inf 2.2775001e+15 (255792)

 length of U 369099, length of L 138728

446808 Obj 6.7668883e+09 Primal inf 332280.08 (10873) Dual inf 2.2547241e+15 (250304)

 length of U 367903, length of L 139840

448808 Obj 6.7668901e+09 Primal inf 332279.29 (10028) Dual inf 2.2293719e+15 (249448)

 length of U 366562, length of L 141006

450808 Obj 6.7668906e+09 Primal inf 332278.71 (9573) Dual inf 2.2162788e+15 (246674)

 length of U 365520, length of L 142032

452808 Obj 6.7668897e+09 Primal inf 332278.67 (8693) Dual inf 2.1848272e+15 (245552)

 length of U 364511, length of L 142976

454808 Obj 6.766888e+09 Primal inf 332278.62 (8194) Dual inf 2.1687675e+15 (245747)

 length of U 362972, length of L 144387

456808 Obj 6.7668882e+09 Primal inf 332278.17 (7859) Dual inf 2.1608949e+15 (243362)

 length of U 361328, length of L 145968

458808 Obj 6.7668869e+09 Primal inf 332278.13 (7488) Dual inf 2.1535267e+15 (243108)

 length of U 360709, length of L 146496

460808 Obj 6.7668863e+09 Primal inf 332278.08 (7052) Dual inf 2.1440211e+15 (244561)

 length of U 359897, length of L 147203

462808 Obj 6.7669013e+09 Primal inf 332272.92 (6848) Dual inf 2.1423919e+15 (239593)

 length of U 359431, length of L 147545

464808 Obj 6.7669058e+09 Primal inf 332271.28 (6601) Dual inf 2.1448511e+15 (238248)

 length of U 358672, length of L 148251

466808 Obj 6.7669204e+09 Primal inf 332265.77 (6308) Dual inf 2.1425996e+15 (239059)

 length of U 358379, length of L 148464

468808 Obj 6.7669199e+09 Primal inf 332265.76 (6150) Dual inf 2.1404277e+15 (241600)

 length of U 357538, length of L 149290

470808 Obj 6.7669209e+09 Primal inf 332264.2 (5938) Dual inf 2.1395578e+15 (226754)

 length of U 357036, length of L 149730

472808 Obj 6.7669221e+09 Primal inf 332263.34 (5735) Dual inf 2.1343576e+15 (224221)

 length of U 356622, length of L 150070

474808 Obj 6.7669224e+09 Primal inf 332262.84 (5451) Dual inf 2.125328e+15 (224586)

 length of U 356417, length of L 150223

476808 Obj 6.7669236e+09 Primal inf 332262.16 (5265) Dual inf 2.1190782e+15 (227220)

 length of U 356185, length of L 150373

478808 Obj 6.7669228e+09 Primal inf 332262.14 (5197) Dual inf 2.1161752e+15 (235898)

 length of U 355937, length of L 150515

480808 Obj 6.7669222e+09 Primal inf 332262.14 (5186) Dual inf 2.116019e+15 (237181)

 length of U 355744, length of L 150671

482808 Obj 6.7669218e+09 Primal inf 332261.97 (5002) Dual inf 2.1132371e+15 (236023)

 length of U 355708, length of L 150638

484808 Obj 6.7651058e+09 Primal inf 332122.69 (4867) Dual inf 2.1310122e+15 (239219)

 length of U 354927, length of L 151811

486188 Obj 6.3452897e+09 Primal inf 329711.47 (4200) Dual inf 2.3978199e+15 (198473)

 length of U 353726, length of L 152333

488188 Obj 5.8422385e+09 Primal inf 325451.82 (3706) Dual inf 2.3381964e+15 (213798)

 length of U 352240, length of L 153581

490188 Obj 5.8063867e+09 Primal inf 322729.28 (3401) Dual inf 2.270365e+15 (253593)

 length of U 352068, length of L 153447

492188 Obj 5.7369997e+09 Primal inf 321047.73 (3269) Dual inf 2.2924127e+15 (284265)

 length of U 351906, length of L 153451

494188 Obj 5.7260171e+09 Primal inf 319843.93 (3227) Dual inf 2.4414981e+15 (283437)

 length of U 351815, length of L 153375

496188 Obj 5.6757208e+09 Primal inf 318188.55 (3191) Dual inf 2.2988248e+15 (277839)

 length of U 351741, length of L 153251

498188 Obj 5.6410766e+09 Primal inf 317221.52 (3152) Dual inf 2.2944e+15 (275531)

 length of U 351833, length of L 153024

500188 Obj 5.6069607e+09 Primal inf 316469.81 (3130) Dual inf 2.29307e+15 (270876)

 length of U 351739, length of L 152916

502188 Obj 5.5888026e+09 Primal inf 315283.22 (3098) Dual inf 2.25056e+15 (267246)

 length of U 351644, length of L 152758

504188 Obj 5.549179e+09 Primal inf 314492.02 (3076) Dual inf 2.3519614e+15 (270500)

 length of U 351545, length of L 152638

506188 Obj 5.5288381e+09 Primal inf 313732.37 (3048) Dual inf 2.2988175e+15 (267089)

 length of U 351676, length of L 152296

508188 Obj 5.4755682e+09 Primal inf 313234.05 (3039) Dual inf 2.2619879e+15 (266454)

 length of U 351353, length of L 152319

510188 Obj 5.4512081e+09 Primal inf 312812.94 (3015) Dual inf 2.2434723e+15 (264507)

 length of U 351533, length of L 152071

512188 Obj 5.3780595e+09 Primal inf 311814.92 (2983) Dual inf 2.1987482e+15 (262542)

 length of U 351159, length of L 152023

514188 Obj 5.3594465e+09 Primal inf 310765.86 (2955) Dual inf 2.2804716e+15 (264712)

 length of U 350900, length of L 151982

516188 Obj 5.1770189e+09 Primal inf 308924.56 (2875) Dual inf 2.1693797e+15 (258152)

 length of U 350697, length of L 151720

518188 Obj 4.7570256e+09 Primal inf 307081.31 (2776) Dual inf 2.1540727e+15 (255928)

 length of U 350343, length of L 151364

End of values pass after 519758 iterations

519758 Obj 4.6673049e+09 Primal inf 306271.47 (2746) Dual inf 2.1160941e+15 (195119)

Perturbing problem by 0.001% of 53880.606 - largest nonzero change 0 ( 0%) - largest zero change 2.9999996e-05

 length of U 352636, length of L 153907

520758 Obj 4.5950874e+09 Primal inf 304917.79 (2799) Dual inf 1.9395604e+15 (194463)

 length of U 354174, length of L 157065

521758 Obj 4.5457898e+09 Primal inf 303233.2 (2762) Dual inf 1.8114127e+15 (189694)

 length of U 356357, length of L 159674

522758 Obj 4.5135746e+09 Primal inf 302604.69 (2697) Dual inf 1.7477786e+15 (189070)

 length of U 358613, length of L 161796

523758 Obj 4.4059725e+09 Primal inf 301386.64 (2678) Dual inf 1.6837001e+15 (188564)

 length of U 360788, length of L 163920

524758 Obj 4.2312922e+09 Primal inf 299534.22 (2629) Dual inf 1.6292325e+15 (187433)

 length of U 363063, length of L 166188

525758 Obj 4.1197088e+09 Primal inf 297976.71 (2604) Dual inf 1.6190674e+15 (193300)

 length of U 365391, length of L 168379

526758 Obj 4.0445732e+09 Primal inf 295105.2 (2579) Dual inf 1.5353999e+15 (189272)

 length of U 366780, length of L 171699

527758 Obj 3.9783629e+09 Primal inf 293933.98 (2571) Dual inf 1.5581613e+15 (188130)

 length of U 369613, length of L 173622

528758 Obj 3.910881e+09 Primal inf 293573.86 (2569) Dual inf 1.4614047e+15 (184675)

 length of U 372753, length of L 175473

529758 Obj 3.9044292e+09 Primal inf 293004.75 (2570) Dual inf 1.6589831e+15 (195104)

 length of U 374895, length of L 178077

530758 Obj 3.7890156e+09 Primal inf 290228.8 (2564) Dual inf 2.5320134e+15 (185554)

 length of U 377991, length of L 179784

531758 Obj 3.7453108e+09 Primal inf 288836.76 (2560) Dual inf 2.2875085e+15 (184600)

 length of U 381144, length of L 181542

532758 Obj 3.7377457e+09 Primal inf 288818.82 (2563) Dual inf 2.2547001e+15 (184188)

 length of U 384089, length of L 183495

533758 Obj 3.7284547e+09 Primal inf 288500.35 (2562) Dual inf 2.2312983e+15 (183907)

 length of U 386979, length of L 185343

534758 Obj 3.635233e+09 Primal inf 287979.1 (2570) Dual inf 2.0497992e+15 (183717)

 length of U 389887, length of L 186935

535758 Obj 3.635233e+09 Primal inf 287979.1 (2570) Dual inf 2.0237234e+15 (183386)

 length of U 392742, length of L 188399

536758 Obj 3.635233e+09 Primal inf 287979.1 (2570) Dual inf 1.9936519e+15 (182943)

 length of U 395657, length of L 189738

537758 Obj 3.635236e+09 Primal inf 287979.03 (2570) Dual inf 1.9515866e+15 (182203)

 length of U 398865, length of L 190847

538758 Obj 3.6352606e+09 Primal inf 287978.58 (2572) Dual inf 1.9095361e+15 (181427)

 length of U 401751, length of L 192136

539758 Obj 3.5642515e+09 Primal inf 286482.75 (2555) Dual inf 1.876831e+15 (182023)

 length of U 404841, length of L 193552

540758 Obj 3.5636777e+09 Primal inf 286404.58 (2549) Dual inf 1.8648023e+15 (181038)

 length of U 407735, length of L 195022

541758 Obj 3.5636777e+09 Primal inf 286404.58 (2549) Dual inf 1.8233067e+15 (180273)

 length of U 410509, length of L 196733

542758 Obj 3.5676751e+09 Primal inf 286263.43 (2550) Dual inf 1.8416504e+15 (184026)

 length of U 413423, length of L 198418

543758 Obj 3.5676751e+09 Primal inf 286263.43 (2550) Dual inf 1.8151977e+15 (183672)

 length of U 416125, length of L 200212

544758 Obj 3.5676751e+09 Primal inf 286263.43 (2550) Dual inf 1.7810728e+15 (183065)

 length of U 418693, length of L 201941

545758 Obj 3.5676751e+09 Primal inf 286263.43 (2550) Dual inf 1.7607358e+15 (182871)

 length of U 421401, length of L 203636

546758 Obj 3.5676751e+09 Primal inf 286263.43 (2550) Dual inf 1.7243517e+15 (182203)

 length of U 423952, length of L 205578

547758 Obj 3.5534412e+09 Primal inf 285926.34 (2543) Dual inf 1.6013745e+15 (179778)

 length of U 426642, length of L 207586

548758 Obj 3.5505397e+09 Primal inf 285876.73 (2537) Dual inf 1.5827321e+15 (179562)

 length of U 429407, length of L 209593

549758 Obj 3.5505397e+09 Primal inf 285876.73 (2537) Dual inf 1.5504545e+15 (178979)

 length of U 432241, length of L 211097

550758 Obj 3.5156487e+09 Primal inf 285010.22 (2522) Dual inf 2.3800552e+15 (178058)

 length of U 434947, length of L 212581

551758 Obj 3.515651e+09 Primal inf 284978.34 (2521) Dual inf 2.355648e+15 (177772)

 length of U 437717, length of L 213905

552758 Obj 3.51628e+09 Primal inf 284969.27 (2519) Dual inf 2.8468598e+15 (177401)

 length of U 440487, length of L 215271

553758 Obj 3.5162879e+09 Primal inf 284967.81 (2519) Dual inf 2.8255335e+15 (177183)

 length of U 443086, length of L 216846

554758 Obj 3.5160405e+09 Primal inf 284956.48 (2517) Dual inf 2.7987843e+15 (176795)

 length of U 445759, length of L 218325

555758 Obj 3.5160405e+09 Primal inf 284956.48 (2517) Dual inf 2.7660748e+15 (176160)

 length of U 448359, length of L 219906

556758 Obj 3.5093414e+09 Primal inf 284745.55 (2513) Dual inf 2.7428893e+15 (175866)

 length of U 450572, length of L 222013

557758 Obj 3.5020745e+09 Primal inf 284500.01 (2507) Dual inf 2.7174772e+15 (175618)

 length of U 452671, length of L 224287

558758 Obj 3.5023074e+09 Primal inf 284497.92 (2507) Dual inf 2.6957304e+15 (175307)

 length of U 454628, length of L 226547

559758 Obj 3.4887761e+09 Primal inf 284475.24 (2508) Dual inf 2.6954133e+15 (175018)

 length of U 456234, length of L 229052

560758 Obj 3.4289807e+09 Primal inf 281209.24 (2478) Dual inf 7.6660619e+14 (176989)

 length of U 458145, length of L 231597

561758 Obj 3.2686024e+09 Primal inf 276853.67 (2444) Dual inf 2.0968231e+15 (178770)

 length of U 459973, length of L 233783

562758 Obj 3.2528931e+09 Primal inf 276271.87 (2440) Dual inf 3.018467e+15 (181504)

 length of U 461527, length of L 236645

563758 Obj 3.2146734e+09 Primal inf 274889.13 (2433) Dual inf 9.150761e+14 (182475)

 length of U 464013, length of L 238458

564758 Obj 3.1399856e+09 Primal inf 273122.9 (2422) Dual inf 2.3949938e+15 (182393)

 length of U 464087, length of L 242539

565758 Obj 3.0739025e+09 Primal inf 272115.46 (2412) Dual inf 1.4217791e+15 (180926)

 length of U 463502, length of L 247231

566758 Obj 3.0563865e+09 Primal inf 270381.83 (2401) Dual inf 5.8105101e+14 (178860)

 length of U 465229, length of L 249530

567758 Obj 2.9726529e+09 Primal inf 268936.52 (2396) Dual inf 4.454796e+14 (185533)

 length of U 466554, length of L 251995

568758 Obj 2.8988132e+09 Primal inf 267602.16 (2372) Dual inf 4.4930216e+14 (182401)

 length of U 467130, length of L 255155

569758 Obj 2.7032742e+09 Primal inf 263717.44 (2314) Dual inf 5.4242938e+14 (192528)

 length of U 467007, length of L 258582

570758 Obj 2.4021769e+09 Primal inf 255919.49 (2233) Dual inf 3.5529814e+14 (183042)

 length of U 461138, length of L 266855

571758 Obj 2.5279932e+09 Primal inf 242970.76 (2079) Dual inf 5.8576585e+14 (192036)

 length of U 455329, length of L 274388

572758 Obj 2.5351212e+09 Primal inf 227905.07 (1945) Dual inf 8.7323426e+14 (195932)

 length of U 453149, length of L 277923

573758 Obj 2.2811158e+09 Primal inf 211713.27 (1827) Dual inf 9.5522496e+14 (186005)

 length of U 451372, length of L 281210

574758 Obj 2.2731903e+09 Primal inf 194097.51 (1728) Dual inf 1.0047503e+15 (200701)

 length of U 449187, length of L 284706

575758 Obj 2.2092201e+09 Primal inf 180608.57 (1636) Dual inf 6.6363638e+15 (193306)

 length of U 446629, length of L 288463

576758 Obj 2.2070491e+09 Primal inf 167482.64 (1526) Dual inf 1.4589109e+15 (199513)

 length of U 443893, length of L 292299

577758 Obj 2.0336871e+09 Primal inf 153066.76 (1438) Dual inf 7.5041772e+14 (190820)

 length of U 442834, length of L 294128

578758 Obj 1.7949065e+09 Primal inf 142237.66 (1365) Dual inf 9.7125036e+14 (191495)

 length of U 443792, length of L 293951

579758 Obj 1.7502161e+09 Primal inf 134759.4 (1289) Dual inf 2.1410493e+15 (196232)

 length of U 438323, length of L 300454

580758 Obj 1.2360466e+09 Primal inf 119845.06 (1187) Dual inf 1.5291781e+15 (198655)

 length of U 430513, length of L 308985

581758 Obj 1.1521478e+09 Primal inf 108840.82 (1156) Dual inf 4.651391e+15 (202573)

 length of U 430271, length of L 309746

582758 Obj 1.058687e+09 Primal inf 100069.93 (1112) Dual inf 1.5584591e+15 (195721)

 length of U 430249, length of L 310188

583758 Obj 9.4398049e+08 Primal inf 94110.46 (1072) Dual inf 1.0115653e+15 (187827)

 length of U 423260, length of L 317054

584758 Obj 8.7191991e+08 Primal inf 91165.975 (1049) Dual inf 2.6461706e+16 (203692)

 length of U 423012, length of L 317635

585758 Obj 8.3514145e+08 Primal inf 82590.591 (1041) Dual inf 9.7000725e+15 (203763)

 length of U 425085, length of L 316241

586758 Obj 8.8484997e+08 Primal inf 75873.144 (1008) Dual inf 1.5937469e+16 (210043)

 length of U 423080, length of L 318183

587758 Obj 8.7553128e+08 Primal inf 74211.396 (1000) Dual inf 6.7817084e+15 (202336)

 length of U 422313, length of L 318583

588758 Obj 8.3958754e+08 Primal inf 71307.105 (988) Dual inf 3.2465083e+15 (200078)

 length of U 422465, length of L 318328

589758 Obj 8.3305617e+08 Primal inf 69129.364 (1028) Dual inf 3.2285266e+16 (204697)

 length of U 422052, length of L 318598

590758 Obj 8.4067688e+08 Primal inf 65565.541 (962) Dual inf 5.8000629e+15 (200252)

 length of U 422107, length of L 318609

591758 Obj 6.7711541e+08 Primal inf 59482.579 (933) Dual inf 1.5402152e+15 (200253)

 length of U 421910, length of L 318750

592758 Obj 6.3859857e+08 Primal inf 54479.615 (892) Dual inf 1.9062554e+15 (194278)

 length of U 421910, length of L 318707

593758 Obj 6.5443762e+08 Primal inf 48898.988 (882) Dual inf 6.3825996e+15 (205195)

 length of U 421817, length of L 318676

594758 Obj 6.5425359e+08 Primal inf 46366.211 (898) Dual inf 2.3588392e+16 (196459)

 length of U 417085, length of L 323453

595758 Obj 6.1697804e+08 Primal inf 45066.141 (910) Dual inf 9.8099425e+15 (205543)

 length of U 422999, length of L 317194

596758 Obj 6.0992335e+08 Primal inf 43159.749 (913) Dual inf 1.2462452e+15 (200617)

 length of U 417323, length of L 323021

597758 Obj 5.4087705e+08 Primal inf 40576.451 (878) Dual inf 6.9740706e+15 (207412)

 length of U 417292, length of L 322974

598758 Obj 5.2625545e+08 Primal inf 39670.113 (878) Dual inf 3.4987934e+15 (210688)

 length of U 417539, length of L 322662

599758 Obj 5.2668759e+08 Primal inf 36393.226 (813) Dual inf 1.1844666e+15 (200009)

 length of U 417253, length of L 322917

600758 Obj 5.3801088e+08 Primal inf 35578.726 (812) Dual inf 4.6049352e+15 (204843)

 length of U 417393, length of L 322792

601758 Obj 5.361231e+08 Primal inf 34150.639 (822) Dual inf 2.07045e+15 (199480)

 length of U 419922, length of L 319829

602758 Obj 5.2741793e+08 Primal inf 33583.635 (834) Dual inf 3.7511489e+15 (209056)

 length of U 416715, length of L 322715

603758 Obj 5.3134734e+08 Primal inf 32925.015 (813) Dual inf 1.8982697e+15 (198939)

 length of U 417342, length of L 322385

604758 Obj 5.2858724e+08 Primal inf 31633.415 (812) Dual inf 2.3906873e+15 (191011)

 length of U 416884, length of L 322237

605758 Obj 5.3214078e+08 Primal inf 30323.93 (790) Dual inf 2.1896528e+15 (203337)

 length of U 416811, length of L 322165

606758 Obj 5.3656061e+08 Primal inf 28689.187 (761) Dual inf 1.3414753e+17 (202438)

 length of U 416623, length of L 322084

607758 Obj 5.6188343e+08 Primal inf 27789.941 (721) Dual inf 1.8745758e+16 (206063)

 length of U 416252, length of L 322151

608758 Obj 5.8565144e+08 Primal inf 26248.919 (709) Dual inf 6.2271183e+15 (203623)

 length of U 421019, length of L 317934

609758 Obj 5.5129522e+08 Primal inf 24786.833 (698) Dual inf 3.1774421e+15 (204617)

 length of U 417076, length of L 321683

610758 Obj 5.4901283e+08 Primal inf 23766.293 (688) Dual inf 8.4682041e+14 (199188)

 length of U 418093, length of L 320203

611758 Obj 5.3987e+08 Primal inf 23202.682 (653) Dual inf 8.846137e+15 (204265)

 length of U 417192, length of L 321584

612758 Obj 5.3801382e+08 Primal inf 22288.753 (690) Dual inf 5.5663286e+15 (197639)

 length of U 416957, length of L 321898

613758 Obj 5.3490915e+08 Primal inf 21203.144 (649) Dual inf 2.2825214e+16 (203443)

 length of U 416505, length of L 321448

614758 Obj 5.2861575e+08 Primal inf 19788.412 (643) Dual inf 1.9904815e+15 (196388)

 length of U 416583, length of L 321481

615758 Obj 5.0418126e+08 Primal inf 19103.656 (661) Dual inf 1.6523381e+16 (204623)

 length of U 416601, length of L 321472

616758 Obj 4.9649574e+08 Primal inf 17464.261 (684) Dual inf 2.0449128e+16 (205403)

 length of U 416253, length of L 321464

617758 Obj 4.6667578e+08 Primal inf 15773.313 (692) Dual inf 2.7354905e+15 (201661)

 length of U 417041, length of L 320744

618758 Obj 4.2867717e+08 Primal inf 14990.682 (689) Dual inf 3.8456941e+15 (204256)

 length of U 417247, length of L 320211

619758 Obj 4.1555811e+08 Primal inf 13964.58 (676) Dual inf 6.2344397e+15 (210072)

 length of U 416999, length of L 320191

620758 Obj 4.2825133e+08 Primal inf 13367.714 (630) Dual inf 2.0704176e+16 (204469)

 length of U 416517, length of L 320641

621758 Obj 4.2006706e+08 Primal inf 10997.316 (622) Dual inf 5.5790274e+15 (200008)

 length of U 419026, length of L 317915

622758 Obj 4.1631633e+08 Primal inf 10600.121 (622) Dual inf 7.7286488e+16 (207620)

 length of U 416289, length of L 320276

623758 Obj 4.1303162e+08 Primal inf 10251.478 (592) Dual inf 1.800725e+15 (206625)

 length of U 416335, length of L 320027

624758 Obj 4.2424274e+08 Primal inf 9630.4955 (609) Dual inf 1.9776509e+15 (203609)

 length of U 416233, length of L 320078

625758 Obj 4.2500435e+08 Primal inf 9177.2532 (605) Dual inf 4.577147e+16 (212157)

 length of U 416291, length of L 319994

626758 Obj 4.2141139e+08 Primal inf 8527.6772 (595) Dual inf 6.5720752e+15 (202961)

 length of U 415671, length of L 320547

627758 Obj 4.1985227e+08 Primal inf 7848.7933 (599) Dual inf 6.1966029e+16 (212040)

 length of U 415272, length of L 320334

628758 Obj 4.0396809e+08 Primal inf 7039.5678 (547) Dual inf 1.1236286e+15 (201144)

 length of U 419023, length of L 316316

629758 Obj 4.0420513e+08 Primal inf 6359.5614 (501) Dual inf 1.6073559e+16 (202235)

 length of U 414972, length of L 320362

630758 Obj 4.0631972e+08 Primal inf 6108.1596 (507) Dual inf 9.7341832e+14 (198246)

 length of U 414780, length of L 320490

631758 Obj 4.017028e+08 Primal inf 5854.7312 (449) Dual inf 2.2914208e+15 (207580)

 length of U 415164, length of L 320115

632758 Obj 3.95661e+08 Primal inf 5533.5897 (462) Dual inf 1.887312e+15 (203893)

 length of U 415232, length of L 319878

633758 Obj 3.8562137e+08 Primal inf 5095.9157 (450) Dual inf 1.4927784e+15 (203328)

 length of U 418152, length of L 316772

634073 Obj 3.8375577e+08 Primal inf 4992.3287 (423) Dual inf 7.1348054e+15 (206169)

 length of U 414841, length of L 319783

635073 Obj 3.4518827e+08 Primal inf 4371.5418 (388) Dual inf 2.9105103e+16 (207690)

 length of U 414969, length of L 319661

636073 Obj 2.9253416e+08 Primal inf 3807.5429 (369) Dual inf 4.4861851e+15 (204723)

 length of U 414756, length of L 319404

637073 Obj 2.8486113e+08 Primal inf 3595.6592 (325) Dual inf 9.5508693e+15 (207939)

 length of U 414578, length of L 319547

638073 Obj 2.78988e+08 Primal inf 3200.8221 (318) Dual inf 9.6244559e+15 (210645)

 length of U 414781, length of L 319482

639073 Obj 2.6787119e+08 Primal inf 2965.3709 (306) Dual inf 5.5280758e+15 (202553)

 length of U 414624, length of L 319363

640073 Obj 2.5936363e+08 Primal inf 2610.9991 (310) Dual inf 3.8106508e+16 (212926)

 length of U 415025, length of L 319277

641073 Obj 2.5601743e+08 Primal inf 2292.643 (276) Dual inf 2.0149092e+15 (205919)

 length of U 414043, length of L 319292

642073 Obj 2.5361921e+08 Primal inf 2113.5693 (245) Dual inf 3.2957921e+14 (205406)

 length of U 414491, length of L 319172

643073 Obj 2.4925958e+08 Primal inf 1829.3362 (226) Dual inf 2.8745816e+15 (209954)

 length of U 414584, length of L 319051

644073 Obj 2.483791e+08 Primal inf 1636.8449 (232) Dual inf 7.0508227e+14 (203578)

 length of U 414589, length of L 319083

645073 Obj 2.4587089e+08 Primal inf 1334.0937 (203) Dual inf 2.5490276e+15 (208835)

 length of U 416824, length of L 316454

646073 Obj 2.5011241e+08 Primal inf 896.74043 (178) Dual inf 2.3304614e+14 (201695)

 length of U 416951, length of L 316473

647073 Obj 2.5018101e+08 Primal inf 693.10976 (123) Dual inf 2.2391412e+15 (213495)

 length of U 413866, length of L 319475

648073 Obj 2.47196e+08 Primal inf 512.97062 (106) Dual inf 1.182276e+14 (203392)

 length of U 416181, length of L 317029

649073 Obj 2.5198191e+08 Primal inf 366.88805 (83) Dual inf 2.3279647e+15 (210274)

 length of U 415644, length of L 317318

650073 Obj 2.5295652e+08 Primal inf 290.29041 (71) Dual inf 1.3892891e+15 (201810)

 length of U 413548, length of L 319604

651073 Obj 2.5536367e+08 Primal inf 202.3816 (41) Dual inf 1.2006649e+15 (208742)

 length of U 413614, length of L 319521

652073 Obj 2.6660654e+08 Primal inf 123.08705 (27) Dual inf 1.2423457e+15 (216600)

 length of U 413502, length of L 319369

653073 Obj 2.8167512e+08 Primal inf 20.310843 (1) Dual inf 1.83505e+14 (212247)

 length of U 414659, length of L 318108

654073 Obj 2.7873703e+08 Primal inf 6.2072396 (1) Dual inf 7.2004465e+13 (213363)

 length of U 415166, length of L 318322

655073 Obj 1.515967e+08 Dual inf 7.2886284e+09 (209449)

 length of U 415391, length of L 319016

656073 Obj 1.2503309e+08 Dual inf 1.3989406e+08 (198022)

 length of U 416283, length of L 319475

657073 Obj 1.2430745e+08 Dual inf 5.9762353e+08 (191415)

 length of U 417000, length of L 320104

658073 Obj 1.240572e+08 Dual inf 2.0310229e+08 (186349)

 length of U 418092, length of L 320396

659073 Obj 1.2333957e+08 Dual inf 2.7404877e+08 (181056)

 length of U 418873, length of L 320910

660073 Obj 1.2315277e+08 Dual inf 2.1332054e+09 (178920)

 length of U 420188, length of L 321086

661073 Obj 1.2304249e+08 Dual inf 4.9075134e+09 (178914)

 length of U 420827, length of L 321635

662073 Obj 1.2291008e+08 Dual inf 4.6541642e+08 (190063)

 length of U 421978, length of L 321984

663073 Obj 1.2288231e+08 Dual inf 5.3991663e+08 (183937)

 length of U 422777, length of L 321950

664073 Obj 1.22847e+08 Dual inf 5.9319702e+08 (171856)

 length of U 423725, length of L 321923

665073 Obj 1.228441e+08 Dual inf 5.8309813e+08 (163233)

 length of U 424978, length of L 321485

666073 Obj 1.2284409e+08 Dual inf 5.8263978e+08 (154386)

 length of U 426969, length of L 320173

667073 Obj 1.2281838e+08 Dual inf 1.1065603e+08 (147299)

 length of U 429198, length of L 318596

668073 Obj 1.2279942e+08 Dual inf 90757151 (146591)

 length of U 436202, length of L 311950

669073 Obj 1.2276838e+08 Dual inf 47593884 (129944)

 length of U 438206, length of L 309423

670073 Obj 1.2262232e+08 Dual inf 71196224 (129799)

 length of U 437855, length of L 309698

671073 Obj 1.2244882e+08 Dual inf 1.575529e+09 (125350)

 length of U 438076, length of L 309510

672073 Obj 1.2220448e+08 Dual inf 2.0149075e+08 (127221)

 length of U 439544, length of L 308036

673073 Obj 1.2206308e+08 Dual inf 1.2990293e+09 (125937)

 length of U 441795, length of L 306108

674073 Obj 1.2199165e+08 Dual inf 3.1538696e+08 (114550)

 length of U 442214, length of L 305940

675073 Obj 1.2187466e+08 Dual inf 97235677 (118077)

 length of U 442025, length of L 305893

676073 Obj 1.2172759e+08 Dual inf 2.014839e+08 (116279)

 length of U 442211, length of L 305757

677073 Obj 1.2158555e+08 Dual inf 3.457513e+08 (121192)

 length of U 442295, length of L 305455

678073 Obj 1.213898e+08 Dual inf 9.713541e+08 (118706)

 length of U 442360, length of L 304776

679073 Obj 1.2119548e+08 Dual inf 2.8351249e+08 (120188)

 length of U 441606, length of L 305201

680073 Obj 1.210243e+08 Dual inf 1.0779661e+08 (114845)

 length of U 442124, length of L 305006

681073 Obj 1.2091892e+08 Dual inf 59064391 (112554)

 length of U 441995, length of L 304678

682073 Obj 1.2080936e+08 Dual inf 9.8461978e+08 (119868)

 length of U 441711, length of L 304640

683073 Obj 1.2067159e+08 Dual inf 1.3098333e+08 (111561)

 length of U 441276, length of L 304491

684073 Obj 1.2059196e+08 Dual inf 2.3833315e+08 (121745)

 length of U 440689, length of L 304371

685073 Obj 1.2054037e+08 Dual inf 1.593375e+08 (119404)

 length of U 440280, length of L 304587

686073 Obj 1.2047796e+08 Dual inf 2.3261401e+08 (114664)

 length of U 440057, length of L 304191

687073 Obj 1.204094e+08 Dual inf 2.4556269e+08 (118765)

 length of U 440092, length of L 303845

688073 Obj 1.2030207e+08 Dual inf 8.4767031e+08 (115726)

 length of U 439750, length of L 303796

689073 Obj 1.2022857e+08 Dual inf 4.5439295e+08 (108220)

 length of U 439219, length of L 303701

690073 Obj 1.2013374e+08 Dual inf 1.2848376e+09 (103457)

 length of U 439383, length of L 302784

691073 Obj 1.2004252e+08 Dual inf 77713269 (109718)

 length of U 438954, length of L 302643

692073 Obj 1.1992833e+08 Dual inf 1.9132155e+08 (105299)

 length of U 438709, length of L 303075

693073 Obj 1.1986903e+08 Dual inf 4.0860792e+08 (119096)

 length of U 439001, length of L 303602

694073 Obj 1.1980788e+08 Dual inf 2.9509739e+08 (117150)

 length of U 439140, length of L 304202

695073 Obj 1.1979456e+08 Dual inf 1.045927e+08 (115132)

 length of U 439374, length of L 304658

696073 Obj 1.1978907e+08 Dual inf 1.3184221e+08 (115377)

 length of U 439492, length of L 304613

697073 Obj 1.1974391e+08 Dual inf 1.5231335e+08 (101421)

 length of U 438937, length of L 304682

698073 Obj 1.1964476e+08 Dual inf 1.0029689e+08 (103111)

 length of U 439389, length of L 303937

699073 Obj 1.1953933e+08 Dual inf 1.9635962e+08 (110699)

 length of U 438882, length of L 303979

700073 Obj 1.194482e+08 Dual inf 2.115727e+09 (112517)

 length of U 438718, length of L 303914

701073 Obj 1.193041e+08 Dual inf 2.0758692e+08 (106877)

 length of U 438282, length of L 304647

702073 Obj 1.1914904e+08 Dual inf 78959326 (105012)

 length of U 438432, length of L 303899

703073 Obj 1.1903377e+08 Dual inf 7.3514624e+09 (108652)

 length of U 437948, length of L 303505

704073 Obj 1.1883695e+08 Dual inf 2.3311682e+08 (110453)

 length of U 437724, length of L 303507

705073 Obj 1.1870663e+08 Dual inf 1.8446759e+08 (104093)

 length of U 437626, length of L 303289

706073 Obj 1.1861102e+08 Dual inf 1.6488441e+08 (110129)

 length of U 437630, length of L 303059

707073 Obj 1.1855485e+08 Dual inf 3.0265408e+08 (100066)

 length of U 437604, length of L 302534

708073 Obj 1.184822e+08 Dual inf 46026191 (92293)

 length of U 437269, length of L 302586

709073 Obj 1.1841537e+08 Dual inf 1.2155425e+08 (105373)

 length of U 438653, length of L 300948

710073 Obj 1.1832008e+08 Dual inf 1.0096026e+08 (106273)

 length of U 439630, length of L 299730

711073 Obj 1.1827419e+08 Dual inf 65950238 (106230)

 length of U 438185, length of L 300024

712073 Obj 1.1822932e+08 Dual inf 1.1476876e+08 (100199)

 length of U 437873, length of L 299740

713073 Obj 1.1818207e+08 Dual inf 89260400 (97886)

 length of U 437598, length of L 299838

714073 Obj 1.1813549e+08 Dual inf 23623007 (100799)

 length of U 437073, length of L 300056

715073 Obj 1.1809528e+08 Dual inf 13539035 (91690)

 length of U 437621, length of L 299255

716073 Obj 1.1799931e+08 Dual inf 35535769 (100978)

 length of U 436632, length of L 300195

717073 Obj 1.1792638e+08 Dual inf 51265463 (99366)

 length of U 436393, length of L 300217

718073 Obj 1.1787223e+08 Dual inf 1.6194545e+08 (111555)

 length of U 436217, length of L 299800

719073 Obj 1.178312e+08 Dual inf 19628329 (95774)

 length of U 436489, length of L 299434

720073 Obj 1.1778217e+08 Dual inf 97048321 (98304)

 length of U 436147, length of L 299232

721073 Obj 1.1774127e+08 Dual inf 28792933 (100452)

 length of U 436273, length of L 299190

722073 Obj 1.1769683e+08 Dual inf 5.2981159e+08 (104747)

 length of U 436551, length of L 298806

723073 Obj 1.1763978e+08 Dual inf 83655715 (105224)

 length of U 435896, length of L 299070

724073 Obj 1.1761724e+08 Dual inf 4495283.7 (78416)

 length of U 435807, length of L 299390

725073 Obj 1.1760039e+08 Dual inf 38903589 (101477)

 length of U 436037, length of L 298844

726073 Obj 1.1755382e+08 Dual inf 1.277007e+08 (101561)

 length of U 436158, length of L 298630

727073 Obj 1.1748555e+08 Dual inf 40311125 (95204)

 length of U 436136, length of L 298519

728073 Obj 1.1744758e+08 Dual inf 1.1589629e+08 (101475)

 length of U 436294, length of L 298039

729073 Obj 1.1739042e+08 Dual inf 60345326 (100296)

 length of U 436221, length of L 297973

730073 Obj 1.1737613e+08 Dual inf 19101495 (90813)

 length of U 436498, length of L 297995

731073 Obj 1.1733917e+08 Dual inf 45328963 (104115)

 length of U 436936, length of L 297193

732073 Obj 1.1730552e+08 Dual inf 40810588 (96598)

 length of U 437493, length of L 296558

733073 Obj 1.1724543e+08 Dual inf 23920163 (86206)

 length of U 437317, length of L 297002

734073 Obj 1.1723562e+08 Dual inf 24911703 (79681)

 length of U 436064, length of L 297967

735073 Obj 1.1721148e+08 Dual inf 22303283 (87470)

 length of U 435808, length of L 297842

736073 Obj 1.171862e+08 Dual inf 2.5380043e+08 (103572)

 length of U 436100, length of L 296590

737073 Obj 1.1715713e+08 Dual inf 56655492 (100015)

 length of U 436461, length of L 295801

738073 Obj 1.1710563e+08 Dual inf 1.0381717e+08 (100184)

 length of U 437018, length of L 295531

739073 Obj 1.1707802e+08 Dual inf 5106767.9 (71730)

 length of U 437042, length of L 295773

740073 Obj 1.1703477e+08 Dual inf 11688740 (85528)

 length of U 435819, length of L 296825

741073 Obj 1.1701575e+08 Dual inf 18812758 (87555)

 length of U 435780, length of L 296219

742073 Obj 1.169965e+08 Dual inf 32058383 (85020)

 length of U 434183, length of L 298449

743073 Obj 1.1698091e+08 Dual inf 12382821 (82099)

 length of U 433524, length of L 299724

744073 Obj 1.169809e+08 Dual inf 12372380 (81602)

 length of U 432032, length of L 301418

745073 Obj 1.1696872e+08 Dual inf 6468363 (69183)

 length of U 432564, length of L 300893

746073 Obj 1.1693584e+08 Dual inf 66826507 (91190)

 length of U 433216, length of L 300528

747073 Obj 1.1689731e+08 Dual inf 19401532 (86937)

 length of U 433852, length of L 299887

748073 Obj 1.1686307e+08 Dual inf 1.062597e+08 (94770)

 length of U 433645, length of L 300197

749073 Obj 1.1684239e+08 Dual inf 16254779 (80589)

 length of U 432540, length of L 300542

750073 Obj 1.1680941e+08 Dual inf 21915131 (81908)

 length of U 432603, length of L 300931

751073 Obj 1.1678411e+08 Dual inf 36471994 (86639)

 length of U 432406, length of L 300598

752073 Obj 1.1676333e+08 Dual inf 16945064 (79450)

 length of U 433182, length of L 300364

753073 Obj 1.1675272e+08 Dual inf 13414603 (71633)

 length of U 433165, length of L 300473

754073 Obj 1.16742e+08 Dual inf 9408852.2 (73933)

 length of U 433056, length of L 300972

755073 Obj 1.1672625e+08 Dual inf 2813844.6 (59795)

 length of U 433298, length of L 301327

756073 Obj 1.1671753e+08 Dual inf 3375369.7 (65304)

 length of U 432730, length of L 301862

757073 Obj 1.1671018e+08 Dual inf 3811359.7 (63859)

 length of U 432688, length of L 301536

758073 Obj 1.1669035e+08 Dual inf 11632907 (69316)

 length of U 432196, length of L 301142

759073 Obj 1.1667716e+08 Dual inf 4459062.9 (61794)

 length of U 432069, length of L 300414

760073 Obj 1.1666238e+08 Dual inf 3570442.5 (56618)

 length of U 431619, length of L 300313

761073 Obj 1.1664584e+08 Dual inf 5747288.5 (64113)

 length of U 431144, length of L 299678

762073 Obj 1.1663777e+08 Dual inf 4406514.8 (58604)

 length of U 431304, length of L 299600

763073 Obj 1.1662757e+08 Dual inf 1448222.2 (49639)

 length of U 433928, length of L 298261

764073 Obj 1.1662627e+08 Dual inf 1158196.2 (43896)

 length of U 434346, length of L 298447

765073 Obj 1.1661065e+08 Dual inf 5366994.3 (55367)

 length of U 433892, length of L 298953

766073 Obj 1.1659404e+08 Dual inf 8773433.4 (62541)

 length of U 434146, length of L 298728

767073 Obj 1.1658033e+08 Dual inf 7579420.1 (64152)

 length of U 432952, length of L 299114

768073 Obj 1.1657737e+08 Dual inf 3703696.6 (59955)

 length of U 433105, length of L 298395

769073 Obj 1.1656342e+08 Dual inf 6648450.5 (66525)

 length of U 433621, length of L 298592

770073 Obj 1.1655104e+08 Dual inf 3107300.7 (53735)

 length of U 434941, length of L 297499

771073 Obj 1.1654043e+08 Dual inf 3980044.6 (56159)

 length of U 434911, length of L 297408

772073 Obj 1.1652675e+08 Dual inf 1668668.7 (42840)

 length of U 434857, length of L 297558

773073 Obj 1.1651024e+08 Dual inf 3706230.9 (44301)

 length of U 434232, length of L 297233

774073 Obj 1.1650575e+08 Dual inf 5677826.9 (50698)

 length of U 433315, length of L 296952

775073 Obj 1.1650152e+08 Dual inf 4369147.1 (54539)

 length of U 433698, length of L 297037

776073 Obj 1.1648926e+08 Dual inf 3904857.8 (46055)

 length of U 433610, length of L 297191

777073 Obj 1.1648259e+08 Dual inf 570061.38 (36611)

 length of U 435827, length of L 294687

778073 Obj 1.1647537e+08 Dual inf 169945.6 (24537)

 length of U 435439, length of L 295362

779073 Obj 1.1645851e+08 Dual inf 2605421.2 (41273)

 length of U 436354, length of L 294369

780073 Obj 1.1644842e+08 Dual inf 3912133 (49524)

 length of U 437483, length of L 293266

781073 Obj 1.164403e+08 Dual inf 1328291.3 (35525)

 length of U 436869, length of L 294210

782073 Obj 1.1643392e+08 Dual inf 1222608.1 (43377)

 length of U 437226, length of L 294120

783073 Obj 1.1642178e+08 Dual inf 2471542.4 (40379)

 length of U 437874, length of L 294200

784073 Obj 1.1641267e+08 Dual inf 1199551.5 (36081)

 length of U 439418, length of L 293155

785073 Obj 1.1640629e+08 Dual inf 173626.09 (17872)

 length of U 440616, length of L 291798

786073 Obj 1.1639959e+08 Dual inf 192847.11 (23350)

 length of U 441460, length of L 290825

787073 Obj 1.1639202e+08 Dual inf 153322.03 (18262)

 length of U 441999, length of L 290953

788073 Obj 1.1638503e+08 Dual inf 105136.66 (17100)

 length of U 486212, length of L 246370

789073 Obj 1.1637187e+08 Dual inf 44498.378 (11888)

 length of U 486968, length of L 245907

790073 Obj 1.1636975e+08 Dual inf 98136.111 (13198)

 length of U 488175, length of L 244386

791073 Obj 1.1636134e+08 Dual inf 131006.45 (16372)

 length of U 487711, length of L 244260

792073 Obj 1.163571e+08 Dual inf 25277.186 (9927)

 length of U 487928, length of L 244307

793073 Obj 1.1635443e+08 Dual inf 183274.72 (17616)

 length of U 488803, length of L 243894

794073 Obj 1.1635185e+08 Dual inf 7185.5924 (4674)

 length of U 488882, length of L 242943

795073 Obj 1.1635088e+08 Dual inf 15865.278 (5835)

 length of U 485623, length of L 246315

796073 Obj 1.1634924e+08 Dual inf 1859.3173 (1900)

 length of U 485309, length of L 247274

797073 Obj 1.1634853e+08 Dual inf 176.96713 (452)

 length of U 485594, length of L 247128

797344 Obj 1.1634842e+08

Optimal - objective value 1.1634851e+08

After Postsolve, objective 1.1634851e+08, infeasibilities - dual 135.84635 (59), primal 0 (0)

Presolved model was optimal, full model needs cleaning up

 length of U 489588, length of L 691701

0 Obj 1.1634851e+08 Dual inf 3640.3085 (59)

 length of U 490905, length of L 690591

200 Obj 1.1634851e+08 Dual inf 12212.77 (1875)

 length of U 491020, length of L 691088

400 Obj 1.1634851e+08 Dual inf 9331.5964 (1656)

 length of U 491184, length of L 691412

600 Obj 1.1634851e+08 Dual inf 7107.0233 (1507)

 length of U 491234, length of L 691853

800 Obj 1.1634851e+08 Dual inf 5106.3326 (1268)

 length of U 491208, length of L 692208

1000 Obj 1.1634851e+08 Dual inf 3488.8414 (1024)

 length of U 491138, length of L 692518

1200 Obj 1.1634851e+08 Dual inf 2158.0562 (817)

 length of U 491118, length of L 693090

1400 Obj 1.1634851e+08 Dual inf 1581.5333 (786)

 length of U 491137, length of L 693216

1600 Obj 1.1634851e+08 Dual inf 528.18663 (440)

 length of U 491185, length of L 693533

1800 Obj 1.1634851e+08 Dual inf 112.72937 (228)

 length of U 491155, length of L 693760

2000 Obj 1.1634851e+08 Dual inf 53.68882 (201)

 length of U 490930, length of L 693939

2179 Obj 1.1634851e+08

Optimal - objective value 1.1634851e+08

Optimal objective 116348507.8 - 799523 iterations time 2359.472, Presolve 30.67, Idiot 28.79

Continuous objective value is 1.16349e+08 - 2359.53 seconds

 length of U 490930, length of L 693939

 length of U 490930, length of L 693939

Optimal - objective value 1.1634851e+08

Coin0506I Presolve 362624 (-185845) rows, 1420294 (-472770) columns and 4007836 (-3499652) elements

Cgl0010I element in row 318732 for column 1382528 changed from -5796 to -867.72839

Cgl0010I element in row 318733 for column 1382529 changed from -5796 to -1735.4556

Cgl0010I element in row 318734 for column 1382530 changed from -5796 to -2269.4416

Cgl0010I element in row 318735 for column 1382531 changed from -5796 to -2269.4416

Cgl0010I element in row 318736 for column 1382532 changed from -5796 to -2382.9137

Cgl0010I element in row 318737 for column 1382533 changed from -5796 to -2649.9067

Cgl0010I element in row 318738 for column 1382534 changed from -5796 to -3384.1374

Cgl0010I element in row 318739 for column 1382535 changed from -5796 to -4084.994

Cgl0010I element in row 318740 for column 1382536 changed from -5796 to -4752.4766

Cgl0010I element in row 318741 for column 1382537 changed from -5796 to -5353.2108

Cgl0010I element in row 318876 for column 1382672 changed from -6048 to -10.628648

Cgl0010I element in row 318877 for column 1382673 changed from -6048 to -21.25597

Cgl0010I element in row 318878 for column 1382674 changed from -6048 to -27.795861

Cgl0010I element in row 318879 for column 1382675 changed from -6048 to -27.795861

Cgl0010I element in row 318880 for column 1382676 changed from -6048 to -29.185588

Cgl0010I element in row 318881 for column 1382677 changed from -6048 to -32.455534

Cgl0010I element in row 318882 for column 1382678 changed from -6048 to -41.447883

Cgl0010I element in row 318883 for column 1382679 changed from -6048 to -50.03149

Cgl0010I element in row 318884 for column 1382680 changed from -6048 to -58.206354

Cgl0010I element in row 318885 for column 1382681 changed from -6048 to -65.563731

Cgl0010I element in row 318886 for column 1382682 changed from -6048 to -73.738595

Cgl0010I element in row 318887 for column 1382683 changed from -6048 to -81.749961

Cgl0010I element in row 318984 for column 1382780 changed from -7056 to -5947.7377

Cgl0010I element in row 326221 for column 1384821 changed from -50 to -13.897897

Cgl0010I element in row 326222 for column 1384823 changed from -50 to -16.227734

Cgl0010I element in row 326223 for column 1384824 changed from -50 to -20.723909

Cgl0010I element in row 326224 for column 1384827 changed from -50 to -32.781832

Cgl0010I element in row 326225 for column 1384828 changed from -50 to -36.869264

Cgl0010I element in row 326226 for column 1384829 changed from -50 to -40.874947

Cgl0010I element in row 326247 for column 1384878 changed from -50 to -13.203034

Cgl0010I element in row 326248 for column 1384881 changed from -50 to -15.416378

Cgl0010I element in row 326249 for column 1384883 changed from -50 to -23.764958

Cgl0010I element in row 326250 for column 1384884 changed from -50 to -27.648018

Cgl0010I element in row 326251 for column 1384886 changed from -50 to -35.025832

Cgl0010I element in row 326252 for column 1384887 changed from -50 to -38.831232

Cgl0010I element in row 328508 for column 1389376 changed from -50 to -1.9854139

Cgl0010I element in row 328509 for column 1389377 changed from -50 to -2.0846801

Cgl0010I element in row 328510 for column 1389379 changed from -50 to -2.9605584

Cgl0010I element in row 328511 for column 1389381 changed from -50 to -4.157592

Cgl0010I element in row 328512 for column 1389384 changed from -50 to -5.8392782

Cgl0010I element in row 328539 for column 1389435 changed from -50 to -2.2023398

Cgl0010I element in row 328540 for column 1389437 changed from -50 to -3.394994

Cgl0010I element in row 328541 for column 1389439 changed from -50 to -4.4489675

Cgl0010I element in row 328542 for column 1389441 changed from -50 to -5.5473188

Cgl0010I element in row 330772 for column 1393932 changed from -50 to -2.3182477

Cgl0010I element in row 330773 for column 1393933 changed from -50 to -2.9605584

Cgl0010I element in row 330774 for column 1393936 changed from -50 to -4.6831189

Cgl0010I element in row 330775 for column 1393937 changed from -50 to -5.2670377

Cgl0010I element in row 330805 for column 1393987 changed from -50 to -1.8861477

Cgl0010I element in row 330806 for column 1393988 changed from -50 to -1.9804506

Cgl0010I element in row 330807 for column 1393989 changed from -50 to -2.2023398

Cgl0010I element in row 330808 for column 1393990 changed from -50 to -2.8125349

Cgl0010I element in row 330809 for column 1393991 changed from -50 to -3.394994

Cgl0010I element in row 330810 for column 1393993 changed from -50 to -4.4489675

Cgl0010I element in row 330811 for column 1393995 changed from -50 to -5.5473188

Cgl0010I element in row 333023 for column 1398484 changed from -50 to -1.9854139

Cgl0010I element in row 333024 for column 1398485 changed from -50 to -2.0846801

Cgl0010I element in row 333025 for column 1398488 changed from -50 to -3.5736731

Cgl0010I element in row 333026 for column 1398491 changed from -50 to -5.2670377

Cgl0010I element in row 333027 for column 1398492 changed from -50 to -5.8392782

Cgl0010I element in row 333047 for column 1398547 changed from -50 to -4.4489675

Cgl0010I element in row 333048 for column 1398549 changed from -50 to -5.5473188

Cgl0010I element in row 335310 for column 1403040 changed from -50 to -2.3182477

Cgl0010I element in row 335340 for column 1403095 changed from -50 to -1.8861477

Cgl0010I element in row 335341 for column 1403098 changed from -50 to -2.8125349

Cgl0010I element in row 335342 for column 1403100 changed from -50 to -3.9497169

Cgl0010I element in row 335343 for column 1403102 changed from -50 to -5.0036904

Cgl0010I element in row 337574 for column 1407592 changed from -50 to -1.9854139

Cgl0010I element in row 337575 for column 1407593 changed from -50 to -2.0846801

Cgl0010I element in row 337576 for column 1407595 changed from -50 to -2.9605584

Cgl0010I element in row 337577 for column 1407596 changed from -50 to -3.5736731

Cgl0010I element in row 337578 for column 1407597 changed from -50 to -4.157592

Cgl0010I element in row 337579 for column 1407598 changed from -50 to -4.6831189

Cgl0010I element in row 337580 for column 1407600 changed from -50 to -5.8392782

Cgl0010I element in row 337599 for column 1407649 changed from -50 to -1.8861477

Cgl0010I element in row 337600 for column 1407652 changed from -50 to -2.8125349

Cgl0010I element in row 337601 for column 1407654 changed from -50 to -3.9497169

Cgl0010I element in row 339881 for column 1412146 changed from -50 to -1.9854139

Cgl0010I element in row 339882 for column 1412148 changed from -50 to -2.3182477

Cgl0010I element in row 339883 for column 1412151 changed from -50 to -4.157592

Cgl0010I element in row 339884 for column 1412154 changed from -50 to -5.8392782

Cgl0010I element in row 339910 for column 1412204 changed from -50 to -1.9804506

Cgl0010I element in row 339911 for column 1412206 changed from -50 to -2.8125349

Cgl0010I element in row 339912 for column 1412210 changed from -50 to -5.0036904

Cgl0010I element in row 339913 for column 1412211 changed from -50 to -5.5473188

Cgl0010I element in row 342163 for column 1416700 changed from -50 to -1.9854139

Cgl0010I element in row 342164 for column 1416701 changed from -50 to -2.0846801

Cgl0010I element in row 342165 for column 1416703 changed from -50 to -2.9605584

Cgl0010I element in row 342166 for column 1416706 changed from -50 to -4.6831189

Cgl0010I element in row 342167 for column 1416707 changed from -50 to -5.2670377

Cgl0010I element in row 342168 for column 1416708 changed from -50 to -5.8392782

Cgl0010I element in row 342195 for column 1416758 changed from -50 to -1.9804506

Cgl0010I element in row 342196 for column 1416759 changed from -50 to -2.2023398

Cgl0010I element in row 342197 for column 1416763 changed from -50 to -4.4489675

Cgl0010I element in row 342198 for column 1416764 changed from -50 to -5.0036904

Cgl0010I element in row 342199 for column 1416765 changed from -50 to -5.5473188

Cgl0010I element in row 344858 for column 1382445 changed from -50 to -5.314291

Cgl0010I element in row 344859 for column 1382446 changed from -50 to -10.627952

Cgl0010I element in row 344860 for column 1384820 changed from -50 to -13.897897

Cgl0010I element in row 344861 for column 1384822 changed from -50 to -14.592761

Cgl0010I element in row 344862 for column 1384825 changed from -50 to -25.015712

Cgl0010I element in row 344863 for column 1384826 changed from -50 to -29.103144

Cgl0010I element in row 344892 for column 1382447 changed from -50 to -5.048608

Cgl0010I element in row 344893 for column 1382448 changed from -50 to -10.096586

Cgl0010I element in row 344894 for column 1384879 changed from -50 to -13.203034

Cgl0010I element in row 344895 for column 1384880 changed from -50 to -13.863154

Cgl0010I element in row 344896 for column 1384882 changed from -50 to -19.687745

Cgl0010I element in row 344897 for column 1384885 changed from -50 to -31.142772

Cgl0010I element in row 347131 for column 1382449 changed from -50 to -0.75918443

Cgl0010I element in row 347132 for column 1382450 changed from -50 to -1.5182789

Cgl0010I element in row 347133 for column 1382451 changed from -50 to -1.9854139

Cgl0010I element in row 347134 for column 1389378 changed from -50 to -2.3182477

Cgl0010I element in row 347135 for column 1389380 changed from -50 to -3.5736731

Cgl0010I element in row 347136 for column 1389382 changed from -50 to -4.6831189

Cgl0010I element in row 347137 for column 1389383 changed from -50 to -5.2670377

Cgl0010I element in row 347160 for column 1382452 changed from -50 to -0.72122971

Cgl0010I element in row 347161 for column 1382453 changed from -50 to -1.4423694

Cgl0010I element in row 347162 for column 1382454 changed from -50 to -1.8861477

Cgl0010I element in row 347163 for column 1389433 changed from -50 to -1.8861477

Cgl0010I element in row 347164 for column 1389434 changed from -50 to -1.9804506

Cgl0010I element in row 347165 for column 1389436 changed from -50 to -2.8125349

Cgl0010I element in row 347166 for column 1389438 changed from -50 to -3.9497169

Cgl0010I element in row 347167 for column 1389440 changed from -50 to -5.0036904

Cgl0010I element in row 349427 for column 1382455 changed from -50 to -0.75918443

Cgl0010I element in row 349428 for column 1382456 changed from -50 to -1.5182789

Cgl0010I element in row 349429 for column 1382457 changed from -50 to -1.9854139

Cgl0010I element in row 349430 for column 1393930 changed from -50 to -1.9854139

Cgl0010I element in row 349431 for column 1393931 changed from -50 to -2.0846801

Cgl0010I element in row 349432 for column 1393934 changed from -50 to -3.5736731

Cgl0010I element in row 349433 for column 1393935 changed from -50 to -4.157592

Cgl0010I element in row 349434 for column 1393938 changed from -50 to -5.8392782

Cgl0010I element in row 349454 for column 1382458 changed from -50 to -0.72122971

Cgl0010I element in row 349455 for column 1382459 changed from -50 to -1.4423694

Cgl0010I element in row 349456 for column 1382460 changed from -50 to -1.8861477

Cgl0010I element in row 349457 for column 1393992 changed from -50 to -3.9497169

Cgl0010I element in row 349458 for column 1393994 changed from -50 to -5.0036904

Cgl0010I element in row 351736 for column 1382461 changed from -50 to -0.75918443

Cgl0010I element in row 351737 for column 1382462 changed from -50 to -1.5182789

Cgl0010I element in row 351738 for column 1382463 changed from -50 to -1.9854139

Cgl0010I element in row 351739 for column 1398486 changed from -50 to -2.3182477

Cgl0010I element in row 351740 for column 1398487 changed from -50 to -2.9605584

Cgl0010I element in row 351741 for column 1398489 changed from -50 to -4.157592

Cgl0010I element in row 351742 for column 1398490 changed from -50 to -4.6831189

Cgl0010I element in row 351772 for column 1382464 changed from -50 to -0.72122971

Cgl0010I element in row 351773 for column 1382465 changed from -50 to -1.4423694

Cgl0010I element in row 351774 for column 1382466 changed from -50 to -1.8861477

Cgl0010I element in row 351775 for column 1398541 changed from -50 to -1.8861477

Cgl0010I element in row 351776 for column 1398542 changed from -50 to -1.9804506

Cgl0010I element in row 351777 for column 1398543 changed from -50 to -2.2023398

Cgl0010I element in row 351778 for column 1398544 changed from -50 to -2.8125349

Cgl0010I element in row 351779 for column 1398545 changed from -50 to -3.394994

Cgl0010I element in row 351780 for column 1398546 changed from -50 to -3.9497169

Cgl0010I element in row 351781 for column 1398548 changed from -50 to -5.0036904

Cgl0010I element in row 354009 for column 1382467 changed from -50 to -0.75918443

Cgl0010I element in row 354010 for column 1382468 changed from -50 to -1.5182789

Cgl0010I element in row 354011 for column 1382469 changed from -50 to -1.9854139

Cgl0010I element in row 354012 for column 1403038 changed from -50 to -1.9854139

Cgl0010I element in row 354013 for column 1403039 changed from -50 to -2.0846801

Cgl0010I element in row 354014 for column 1403041 changed from -50 to -2.9605584

Cgl0010I element in row 354015 for column 1403042 changed from -50 to -3.5736731

Cgl0010I element in row 354016 for column 1403043 changed from -50 to -4.157592

Cgl0010I element in row 354017 for column 1403044 changed from -50 to -4.6831189

Cgl0010I element in row 354018 for column 1403045 changed from -50 to -5.2670377

Cgl0010I element in row 354019 for column 1403046 changed from -50 to -5.8392782

Cgl0010I element in row 354039 for column 1382470 changed from -50 to -0.72122971

Cgl0010I element in row 354040 for column 1382471 changed from -50 to -1.4423694

Cgl0010I element in row 354041 for column 1382472 changed from -50 to -1.8861477

Cgl0010I element in row 354042 for column 1403096 changed from -50 to -1.9804506

Cgl0010I element in row 354043 for column 1403097 changed from -50 to -2.2023398

Cgl0010I element in row 354044 for column 1403099 changed from -50 to -3.394994

Cgl0010I element in row 354045 for column 1403101 changed from -50 to -4.4489675

Cgl0010I element in row 354046 for column 1403103 changed from -50 to -5.5473188

Cgl0010I element in row 356305 for column 1382473 changed from -50 to -0.75918443

Cgl0010I element in row 356306 for column 1382474 changed from -50 to -1.5182789

Cgl0010I element in row 356307 for column 1382475 changed from -50 to -1.9854139

Cgl0010I element in row 356308 for column 1407594 changed from -50 to -2.3182477

Cgl0010I element in row 356309 for column 1407599 changed from -50 to -5.2670377

Cgl0010I element in row 356340 for column 1382476 changed from -50 to -0.72122971

Cgl0010I element in row 356341 for column 1382477 changed from -50 to -1.4423694

Cgl0010I element in row 356342 for column 1382478 changed from -50 to -1.8861477

Cgl0010I element in row 356343 for column 1407650 changed from -50 to -1.9804506

Cgl0010I element in row 356344 for column 1407651 changed from -50 to -2.2023398

Cgl0010I element in row 356345 for column 1407653 changed from -50 to -3.394994

Cgl0010I element in row 356346 for column 1407655 changed from -50 to -4.4489675

Cgl0010I element in row 356347 for column 1407656 changed from -50 to -5.0036904

Cgl0010I element in row 356348 for column 1407657 changed from -50 to -5.5473188

Cgl0010I element in row 358558 for column 1382479 changed from -50 to -0.75918443

Cgl0010I element in row 358559 for column 1382480 changed from -50 to -1.5182789

Cgl0010I element in row 358560 for column 1382481 changed from -50 to -1.9854139

Cgl0010I element in row 358561 for column 1412147 changed from -50 to -2.0846801

Cgl0010I element in row 358562 for column 1412149 changed from -50 to -2.9605584

Cgl0010I element in row 358563 for column 1412150 changed from -50 to -3.5736731

Cgl0010I element in row 358564 for column 1412152 changed from -50 to -4.6831189

Cgl0010I element in row 358565 for column 1412153 changed from -50 to -5.2670377

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Cgl0010I element in row 358590 for column 1382483 changed from -50 to -1.4423694

Cgl0010I element in row 358591 for column 1382484 changed from -50 to -1.8861477

Cgl0010I element in row 358592 for column 1412203 changed from -50 to -1.8861477

Cgl0010I element in row 358593 for column 1412205 changed from -50 to -2.2023398

Cgl0010I element in row 358594 for column 1412207 changed from -50 to -3.394994

Cgl0010I element in row 358595 for column 1412208 changed from -50 to -3.9497169

Cgl0010I element in row 358596 for column 1412209 changed from -50 to -4.4489675

Cgl0010I element in row 360836 for column 1382485 changed from -50 to -0.75918443

Cgl0010I element in row 360837 for column 1382486 changed from -50 to -1.5182789

Cgl0010I element in row 360838 for column 1382487 changed from -50 to -1.9854139

Cgl0010I element in row 360839 for column 1416702 changed from -50 to -2.3182477

Cgl0010I element in row 360840 for column 1416704 changed from -50 to -3.5736731

Cgl0010I element in row 360841 for column 1416705 changed from -50 to -4.157592

Cgl0010I element in row 360864 for column 1382488 changed from -50 to -0.72122971

Cgl0010I element in row 360865 for column 1382489 changed from -50 to -1.4423694

Cgl0010I element in row 360866 for column 1382490 changed from -50 to -1.8861477

Cgl0010I element in row 360867 for column 1416757 changed from -50 to -1.8861477

Cgl0010I element in row 360868 for column 1416760 changed from -50 to -2.8125349

Cgl0010I element in row 360869 for column 1416761 changed from -50 to -3.394994

Cgl0010I element in row 360870 for column 1416762 changed from -50 to -3.9497169

Cgl0009I 215 elements changed

Initial range of elements is 0.72122971 to 10000

Range of elements is 0.01 to 100

Range of elements is 0.30162985 to 3.3153218

Final range of elements is 0.30785406 to 3.2482924

 length of U 337240, length of L 182722

 length of U 337240, length of L 182722

1998 total structurals rejected in initial factorization

0 Obj 1.1600326e+08 Primal inf 3262762.6 (2909) Dual inf 57686917 (90897)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00032949024 ( 0.0039775165%) - largest zero change 0

0 Obj 1.1600326e+08 Primal inf 3262762.6 (2909) Dual inf 57686904 (90897)

0 Obj 1.1600326e+08 Primal inf 3262762.6 (2909) Dual inf 1.3702456e+17 (111055)

 length of U 332325, length of L 190780

Primal error 3.6379788e-12, dual error 0.097226984

1006 Obj 2.1834735e+08 Primal inf 250849.31 (2536) Dual inf 2.2943264e+18 (111148)

 length of U 327752, length of L 196765

Primal error 4.5474735e-12, dual error 0.16932414

2020 Obj 2.9881616e+08 Primal inf 170839.58 (2470) Dual inf 7.6171489e+18 (113537)

 length of U 323998, length of L 201163

3029 Obj 3.1354312e+08 Primal inf 105680.63 (2268) Dual inf 1.6013904e+17 (110531)

 length of U 323709, length of L 202251

Primal error 4.5474735e-12, dual error 0.010144456

4087 Obj 2.9239352e+08 Primal inf 89997.736 (2223) Dual inf 5.8715339e+17 (113786)

 length of U 322124, length of L 204888

5100 Obj 3.7599548e+08 Primal inf 72212.35 (2358) Dual inf 6.3055206e+16 (110441)

 length of U 321920, length of L 205932

6132 Obj 3.9393159e+08 Primal inf 65861.805 (2364) Dual inf 1.1272241e+17 (113300)

 length of U 321859, length of L 206398

Primal error 1.2732926e-11, dual error 0.029070775

7147 Obj 3.9313849e+08 Primal inf 60340.699 (2356) Dual inf 1.5552579e+18 (115940)

 length of U 321392, length of L 207625

7852 Obj 3.9525388e+08 Primal inf 57138.211 (2341) Dual inf 2.388982e+17 (113638)

 length of U 322886, length of L 204950

8881 Obj 4.0970303e+08 Primal inf 47880.733 (2193) Dual inf 1.4302036e+17 (116359)

 length of U 321784, length of L 206739

Primal error 7.2759576e-12, dual error 0.016794075

9885 Obj 4.0850267e+08 Primal inf 45097.325 (2239) Dual inf 6.0982503e+17 (116548)

 length of U 322238, length of L 206798

Primal error 9.094947e-12, dual error 0.34204916

10893 Obj 4.3814117e+08 Primal inf 42038.964 (2196) Dual inf 1.2278253e+19 (111405)

 length of U 322248, length of L 206893

11590 Obj 4.3796838e+08 Primal inf 38945.509 (2216) Dual inf 9.1989309e+16 (116667)

 length of U 321487, length of L 207507

12599 Obj 4.3616188e+08 Primal inf 36466.352 (2176) Dual inf 5.2715486e+16 (107990)

 length of U 321312, length of L 208240

Primal error 4.5474735e-12, dual error 0.013924161

13610 Obj 4.1870737e+08 Primal inf 34475.873 (2172) Dual inf 7.06104e+17 (110964)

 length of U 321418, length of L 208624

Primal error 6.3664629e-12, dual error 0.016316092

14362 Obj 4.109774e+08 Primal inf 32866.77 (2230) Dual inf 7.0766001e+17 (112439)

 length of U 321900, length of L 207832

15373 Obj 4.0367528e+08 Primal inf 30670.55 (2190) Dual inf 4.1815372e+16 (109368)

 length of U 324334, length of L 204996

16376 Obj 4.1529279e+08 Primal inf 29183.819 (2180) Dual inf 4.917064e+15 (105895)

 length of U 322245, length of L 207692

17381 Obj 4.1942693e+08 Primal inf 26950.179 (2236) Dual inf 4.7088422e+15 (105349)

 length of U 321560, length of L 207746

18384 Obj 4.2182196e+08 Primal inf 25374.077 (2231) Dual inf 8.8555342e+16 (107922)

 length of U 320999, length of L 208327

19392 Obj 4.1834907e+08 Primal inf 23787.05 (2189) Dual inf 2.519084e+16 (111767)

 length of U 323112, length of L 206544

20412 Obj 3.8153349e+08 Primal inf 21219.279 (2110) Dual inf 8.0760517e+15 (108092)

 length of U 321382, length of L 208208

21428 Obj 3.9167116e+08 Primal inf 19165.878 (2038) Dual inf 1.1182375e+16 (111049)

Initializing steepest edge weights - old 166.80596, new 1

 length of U 321457, length of L 208354

22446 Obj 3.6792368e+08 Primal inf 16525.757 (1931) Dual inf 8.4026923e+16 (109279)

 length of U 320895, length of L 208980

23450 Obj 3.2289626e+08 Primal inf 15165.534 (1930) Dual inf 3.4032983e+17 (108207)

Initializing steepest edge weights - old 0.18005408, new 68.168768

 length of U 320060, length of L 209363

24400 Obj 3.2040298e+08 Primal inf 12646.67 (1865) Dual inf 5.979639e+16 (111085)

 length of U 326079, length of L 202898

25411 Obj 3.0733888e+08 Primal inf 10677.864 (1789) Dual inf 1.7950553e+17 (110665)

 length of U 324004, length of L 205386

26418 Obj 3.2229905e+08 Primal inf 9945.1668 (1761) Dual inf 4.251195e+15 (106618)

 length of U 321169, length of L 207901

27427 Obj 3.2890672e+08 Primal inf 9339.4426 (1697) Dual inf 1.0184275e+17 (109542)

 length of U 322018, length of L 207339

28431 Obj 3.2313877e+08 Primal inf 9150.2008 (1674) Dual inf 8.6398495e+15 (108220)

 length of U 320705, length of L 208338

29437 Obj 3.2321611e+08 Primal inf 8538.3171 (1692) Dual inf 5.0052234e+15 (100542)

 length of U 320742, length of L 207977

30437 Obj 3.2156767e+08 Primal inf 8198.4721 (1680) Dual inf 3.8301342e+16 (110970)

 length of U 320579, length of L 208181

31438 Obj 3.2618806e+08 Primal inf 7685.9911 (1682) Dual inf 7.2219917e+16 (107321)

 length of U 323049, length of L 205303

32349 Obj 3.3131786e+08 Primal inf 7166.2836 (1613) Dual inf 8.8652466e+16 (111065)

 length of U 322498, length of L 205845

33362 Obj 3.3902098e+08 Primal inf 6460.7532 (1507) Dual inf 9.0048236e+15 (107724)

 length of U 322694, length of L 205498

34371 Obj 3.4657715e+08 Primal inf 5970.6565 (1470) Dual inf 9.9810952e+15 (109965)

 length of U 317649, length of L 210196

35382 Obj 3.3946022e+08 Primal inf 5179.8934 (1345) Dual inf 1.1138302e+16 (108496)

 length of U 317257, length of L 210535

36386 Obj 3.4271083e+08 Primal inf 4571.4193 (1331) Dual inf 5.1864441e+15 (110568)

 length of U 317290, length of L 210398

37405 Obj 3.4771743e+08 Primal inf 3936.7981 (1243) Dual inf 2.636298e+16 (111545)

 length of U 317445, length of L 210129

38413 Obj 3.484984e+08 Primal inf 3532.8908 (1177) Dual inf 2.0967657e+15 (107286)

 length of U 317138, length of L 210388

39419 Obj 3.476398e+08 Primal inf 2796.9286 (1122) Dual inf 2.8260434e+16 (109632)

 length of U 316785, length of L 210213

40428 Obj 3.3872624e+08 Primal inf 2286.5578 (1004) Dual inf 1.8347533e+15 (102806)

 length of U 316833, length of L 209859

41434 Obj 3.3415085e+08 Primal inf 1969.1667 (948) Dual inf 4.207743e+16 (107507)

 length of U 316887, length of L 209763

42435 Obj 3.3023281e+08 Primal inf 1651.9308 (875) Dual inf 5.997693e+14 (98103)

 length of U 316702, length of L 209884

43439 Obj 3.2905274e+08 Primal inf 1521.1906 (828) Dual inf 4.0005568e+15 (110673)

 length of U 318557, length of L 207562

44445 Obj 3.2971166e+08 Primal inf 1302.0459 (749) Dual inf 2.7647019e+14 (95895)

 length of U 315860, length of L 210206

45447 Obj 3.2972318e+08 Primal inf 1188.7928 (687) Dual inf 1.4962028e+14 (98627)

 length of U 315692, length of L 210140

46452 Obj 3.2564433e+08 Primal inf 1014.0981 (544) Dual inf 4.1089566e+15 (106502)

 length of U 315042, length of L 210098

47454 Obj 3.2387528e+08 Primal inf 853.80499 (476) Dual inf 1.4033768e+15 (103428)

 length of U 316247, length of L 208328

48461 Obj 3.1180911e+08 Primal inf 678.53551 (425) Dual inf 7.8639667e+13 (97572)

 length of U 314647, length of L 210192

49464 Obj 3.1174417e+08 Primal inf 557.254 (312) Dual inf 8.6279665e+14 (103533)

 length of U 314439, length of L 210059

50469 Obj 3.1270215e+08 Primal inf 379.90346 (222) Dual inf 2.6086012e+14 (105904)

 length of U 314393, length of L 210149

51472 Obj 3.0879111e+08 Primal inf 236.07857 (162) Dual inf 1.4003977e+16 (112954)

 length of U 314469, length of L 209770

52475 Obj 3.1385848e+08 Primal inf 58.976611 (37) Dual inf 2.2200833e+13 (104645)

 length of U 315521, length of L 208670

53476 Obj 3.0486033e+08 Dual inf 1.0412011e+10 (109588)

 length of U 318033, length of L 206669

54476 Obj 1.4425791e+08 Dual inf 1.0280106e+11 (112209)

 length of U 317495, length of L 207523

55476 Obj 1.1890533e+08 Dual inf 9.8428839e+08 (111635)

 length of U 315371, length of L 209877

56476 Obj 1.1863016e+08 Dual inf 97019286 (99700)

 length of U 315089, length of L 209915

57476 Obj 1.1848483e+08 Dual inf 1.9345966e+08 (108456)

 length of U 313894, length of L 211216

58476 Obj 1.1833137e+08 Dual inf 49312387 (101283)

 length of U 313957, length of L 211017

59478 Obj 1.1820626e+08 Dual inf 90926548 (107785)

 length of U 310067, length of L 215002

60478 Obj 1.1807505e+08 Dual inf 1.5332907e+08 (104392)

 length of U 309639, length of L 215430

61478 Obj 1.1797924e+08 Dual inf 60753355 (99421)

 length of U 308320, length of L 216932

62478 Obj 1.178615e+08 Dual inf 1.1236655e+08 (96094)

 length of U 308302, length of L 216724

63479 Obj 1.1775058e+08 Dual inf 1.0224414e+08 (97245)

 length of U 307624, length of L 217301

64479 Obj 1.1764745e+08 Dual inf 95338940 (98930)

 length of U 307589, length of L 217583

65479 Obj 1.1754921e+08 Dual inf 9.3435624e+09 (95976)

 length of U 307742, length of L 217625

66480 Obj 1.1751037e+08 Dual inf 70466074 (99300)

 length of U 307457, length of L 217605

67480 Obj 1.1742958e+08 Dual inf 1.3012935e+08 (95677)

 length of U 308721, length of L 215955

68480 Obj 1.1735552e+08 Dual inf 3.323832e+08 (93908)

 length of U 307897, length of L 217330

69480 Obj 1.1729282e+08 Dual inf 1.5991024e+08 (96535)

 length of U 307732, length of L 217193

70480 Obj 1.1722695e+08 Dual inf 2.1890829e+08 (90724)

 length of U 307030, length of L 217465

71480 Obj 1.1714583e+08 Dual inf 29352160 (88203)

 length of U 307162, length of L 217259

72480 Obj 1.1709676e+08 Dual inf 24660409 (83903)

 length of U 307315, length of L 216866

73480 Obj 1.1705082e+08 Dual inf 57965063 (89911)

 length of U 307327, length of L 216835

74480 Obj 1.1701572e+08 Dual inf 64436782 (86220)

 length of U 306683, length of L 217166

75480 Obj 1.1697004e+08 Dual inf 92613156 (81836)

 length of U 306833, length of L 216963

76482 Obj 1.1693737e+08 Dual inf 75484152 (93947)

 length of U 306763, length of L 216659

77482 Obj 1.1689231e+08 Dual inf 89329440 (97171)

 length of U 305719, length of L 217253

78482 Obj 1.1684606e+08 Dual inf 38604296 (86542)

 length of U 304839, length of L 217857

79482 Obj 1.1679345e+08 Dual inf 40462058 (89182)

 length of U 304785, length of L 218275

80482 Obj 1.1675467e+08 Dual inf 40428126 (92381)

 length of U 304932, length of L 217777

81482 Obj 1.1672586e+08 Dual inf 7860662.4 (66612)

 length of U 299708, length of L 222847

82482 Obj 1.1671357e+08 Dual inf 7153521 (64795)

 length of U 299531, length of L 223055

83482 Obj 1.1669305e+08 Dual inf 20091628 (70461)

 length of U 299584, length of L 222648

84482 Obj 1.1667751e+08 Dual inf 52484389 (83323)

 length of U 299059, length of L 222590

85483 Obj 1.1666337e+08 Dual inf 18499559 (73577)

 length of U 299449, length of L 222476

86483 Obj 1.1665357e+08 Dual inf 34716228 (78580)

 length of U 299443, length of L 222386

87484 Obj 1.1662163e+08 Dual inf 7738303.1 (71374)

 length of U 302316, length of L 219256

88485 Obj 1.1659197e+08 Dual inf 2521288.8 (46091)

 length of U 310485, length of L 210805

89487 Obj 1.1656315e+08 Dual inf 10711743 (63182)

 length of U 310507, length of L 210200

90487 Obj 1.1653424e+08 Dual inf 31028935 (78391)

 length of U 310510, length of L 210108

91487 Obj 1.165165e+08 Dual inf 1226718.4 (38939)

 length of U 310249, length of L 210221

92490 Obj 1.1650372e+08 Dual inf 5405137.1 (58991)

 length of U 312033, length of L 208925

93491 Obj 1.1648964e+08 Dual inf 7686693.6 (67776)

 length of U 311912, length of L 208558

94492 Obj 1.1648011e+08 Dual inf 45099354 (70802)

 length of U 313730, length of L 206099

95492 Obj 1.1646913e+08 Dual inf 5905372 (57206)

 length of U 315803, length of L 204398

96492 Obj 1.164598e+08 Dual inf 13605755 (69444)

 length of U 313970, length of L 206403

97492 Obj 1.164478e+08 Dual inf 2448799.8 (47194)

 length of U 313401, length of L 206362

98492 Obj 1.1644686e+08 Dual inf 1865388.7 (42592)

 length of U 313243, length of L 205981

99493 Obj 1.164396e+08 Dual inf 12150331 (65472)

 length of U 313340, length of L 205551

100493 Obj 1.1643274e+08 Dual inf 5957973.1 (53042)

 length of U 313381, length of L 205700

101493 Obj 1.1642773e+08 Dual inf 3698043.2 (48994)

 length of U 312897, length of L 206208

102495 Obj 1.1641821e+08 Dual inf 556470.54 (28015)

 length of U 312953, length of L 205808

103495 Obj 1.1640506e+08 Dual inf 955631.5 (30189)

 length of U 312675, length of L 205604

104495 Obj 1.1640047e+08 Dual inf 954991 (33731)

 length of U 312255, length of L 205257

105495 Obj 1.163985e+08 Dual inf 3411784.2 (41089)

 length of U 312172, length of L 204964

106496 Obj 1.1639395e+08 Dual inf 3099932.1 (45937)

 length of U 313818, length of L 203138

107497 Obj 1.1639008e+08 Dual inf 1821631.5 (41579)

 length of U 313584, length of L 203243

108497 Obj 1.1638493e+08 Dual inf 274199.99 (20416)

 length of U 313762, length of L 202908

109497 Obj 1.1638075e+08 Dual inf 1793081.5 (34336)

 length of U 316434, length of L 199849

110498 Obj 1.1637551e+08 Dual inf 11559965 (59127)

 length of U 315590, length of L 200689

111499 Obj 1.1636771e+08 Dual inf 388390.57 (26042)

 length of U 314588, length of L 201873

112687 Obj 1.1636219e+08 Dual inf 992847.93 (31483)

 length of U 315026, length of L 200611

113688 Obj 1.1635908e+08 Dual inf 124329.8 (14137)

 length of U 315141, length of L 200466

114727 Obj 1.1635722e+08 Dual inf 216433.48 (17890)

 length of U 315271, length of L 200509

115742 Obj 1.1635428e+08 Dual inf 234507.76 (18165)

 length of U 314105, length of L 201995

116868 Obj 1.1635049e+08 Dual inf 20074.107 (6307)

 length of U 313907, length of L 203296

117869 Obj 1.1634983e+08 Dual inf 19259.956 (6672)

 length of U 311826, length of L 205859

118869 Obj 1.1634942e+08 Dual inf 8638.874 (4395)

 length of U 312082, length of L 206717

119872 Obj 1.1634865e+08 Dual inf 661.98711 (1188)

 length of U 312332, length of L 206747

120851 Obj 1.1634855e+08

Looking optimal with tolerance of 1e-06

Optimal - objective value 1.1634855e+08

Coin0506I Presolve 362239 (-385) rows, 1419524 (-770) columns and 3982461 (-25375) elements

Initial range of elements is 0.72122971 to 10000

Range of elements is 0.01 to 100

Range of elements is 0.30162985 to 3.3153218

Final range of elements is 0.30785406 to 3.2482924

 length of U 328413, length of L 190209

 length of U 328413, length of L 190209

58 total structurals rejected in initial factorization

0 Obj 1.1634855e+08 Primal inf 0.00016963345 (258) Dual inf 1.8268598e+15 (53227)

 length of U 312379, length of L 206350

End of values pass after 129 iterations

129 Obj 1.1634855e+08 Primal inf 9.3323999e-05 (124) Dual inf 1.6317949e+13 (11644)

Perturbing problem by 0.001% of 758972.5 - largest nonzero change 0.0018515084 ( 0.0012164204%) - largest zero change 1.9999908e-05

 length of U 312377, length of L 207184

1129 Obj 1.1634855e+08 Dual inf 10701.648 (1586)

 length of U 314794, length of L 204681

1409 Obj 1.1634855e+08

Absolute values of scaled rhs range from 0.00063371038 to 63066.799, minimum gap 5.9460356

Absolute values of scaled objective range from 2.4468593 to 102720.03

Absolute values of scaled bounds range from 0.0015414423 to 32627838, minimum gap 0.0015414423

Looking optimal with tolerance of 1e-07

 length of U 314803, length of L 204771

1526 Obj 1.1634855e+08

Looking optimal with tolerance of 1e-07

Optimal - objective value 1.1634855e+08

Initial range of elements is 0.72122971 to 10000

Range of elements is 0.01 to 100

Range of elements is 0.30162985 to 3.3153218

Final range of elements is 0.30785406 to 3.2482924

 length of U 314803, length of L 204771

Optimal - objective value 1.1634855e+08

Cgl0004I processed model has 362239 rows, 1419524 columns (37849 integer (721 of which binary)) and 3982461 elements

 length of U 314803, length of L 204771

0 Obj 1.1634855e+08

Optimal - objective value 1.1634855e+08

Bounds were tightened 619926 times

 length of U 314803, length of L 204771

Optimal - objective value 1.1634855e+08

Cbc0045I Options for feasibility pump -

Cbc0045I Accumulate of 1

Cbc0045I 6 retries

Cbc0045I Feasibility pump options of 40

Cbc0045I Tuning (fixing) 3

 length of U 314803, length of L 204771

Optimal - objective value 1.1634855e+08

Cbc0045I Heuristic feasibility pump took 0 seconds (no good)

Cbc0045I Heuristic rounding took 0 seconds (no good)

Cbc0045I Heuristic greedy cover took 0 seconds (no good)

Cbc0045I Heuristic greedy equality took 0 seconds (no good)

 length of U 314803, length of L 204771

0 Obj 1.1634855e+08 Primal inf 0.0004446833 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0037593757%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.0004446833 (1)

Optimal - objective value 1.1634855e+08

 length of U 314801, length of L 204767

0 Obj 1.1634855e+08 Primal inf 0.00045917341 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0037593757%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.00045917341 (1)

Optimal - objective value 1.1634855e+08

 length of U 314802, length of L 204729

0 Obj 1.1634855e+08 Primal inf 0.0011087143 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0037593757%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.0011087143 (1)

 length of U 314867, length of L 204628

46 Obj 1.1634855e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634855e+08

 length of U 314867, length of L 204628

0 Obj 1.1634855e+08 Primal inf 0.00046561537 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0037593757%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.00046561537 (1)

Optimal - objective value 1.1634855e+08

 length of U 314792, length of L 204676

0 Obj 1.1634855e+08 Primal inf 0.00091564112 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.00091564112 (1)

 length of U 314773, length of L 204630

62 Obj 1.1634855e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634855e+08

 length of U 314773, length of L 204630

0 Obj 1.1634855e+08 Primal inf 0.0013277426 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.0013277426 (1)

Optimal - objective value 1.1634855e+08

 length of U 314776, length of L 204634

0 Obj 1.1634855e+08 Primal inf 0.0014082733 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.0014082733 (1)

Optimal - objective value 1.1634855e+08

 length of U 314777, length of L 204626

0 Obj 1.1634855e+08 Primal inf 0.0050812212 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.0050812212 (1)

 length of U 314799, length of L 204834

214 Obj 1.1634855e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634855e+08

 length of U 314799, length of L 204834

0 Obj 1.1634855e+08 Primal inf 0.0030615955 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.0030615955 (1)

 length of U 314942, length of L 204726

49 Obj 1.1634855e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634855e+08

 length of U 314942, length of L 204726

0 Obj 1.1634855e+08 Primal inf 0.017698124 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.017698124 (1)

 length of U 314737, length of L 204712

233 Obj 1.1634855e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634855e+08

 length of U 314737, length of L 204712

0 Obj 1.1634855e+08 Primal inf 0.021839072 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.021839072 (1)

 length of U 314787, length of L 204791

216 Obj 1.1634855e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634855e+08

 length of U 314787, length of L 204791

0 Obj 1.1634855e+08 Primal inf 0.0037848979 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.0037848979 (1)

Optimal - objective value 1.1634855e+08

 length of U 314788, length of L 204794

0 Obj 1.1634855e+08 Primal inf 0.00524106 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.00524106 (1)

Optimal - objective value 1.1634855e+08

 length of U 314850, length of L 204753

0 Obj 1.1634855e+08 Primal inf 0.00090904033 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.00090904033 (1)

Optimal - objective value 1.1634855e+08

 length of U 314837, length of L 204784

0 Obj 1.1634855e+08 Primal inf 0.0064618998 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.0064618998 (1)

Optimal - objective value 1.1634855e+08

 length of U 314865, length of L 204767

0 Obj 1.1634855e+08 Primal inf 0.0079156648 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.0079156648 (1)

Optimal - objective value 1.1634855e+08

 length of U 314835, length of L 204802

0 Obj 1.1634855e+08 Primal inf 0.010530204 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.010530204 (1)

Optimal - objective value 1.1634855e+08

 length of U 314836, length of L 204805

0 Obj 1.1634855e+08 Primal inf 0.0080018878 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.0080018878 (1)

Optimal - objective value 1.1634855e+08

 length of U 314849, length of L 204807

0 Obj 1.1634855e+08 Primal inf 0.010522367 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.010522367 (1)

 length of U 314851, length of L 204858

26 Obj 1.1634855e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634855e+08

 length of U 314851, length of L 204858

0 Obj 1.1634855e+08 Primal inf 0.013556713 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.013556713 (1)

Optimal - objective value 1.1634855e+08

 length of U 314851, length of L 204859

0 Obj 1.1634855e+08 Primal inf 0.018854884 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.018854884 (1)

 length of U 314860, length of L 204577

119 Obj 1.1634855e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634855e+08

 length of U 314860, length of L 204577

0 Obj 1.1634855e+08 Primal inf 0.01725664 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.01725664 (1)

Optimal - objective value 1.1634855e+08

 length of U 314861, length of L 204580

0 Obj 1.1634855e+08 Primal inf 0.019054146 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.019054146 (1)

Optimal - objective value 1.1634855e+08

 length of U 314862, length of L 204583

0 Obj 1.1634855e+08 Primal inf 0.021488645 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.021488645 (1)

Optimal - objective value 1.1634855e+08

 length of U 314862, length of L 204587

0 Obj 1.1634855e+08 Primal inf 0.013822859 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.013822859 (1)

Optimal - objective value 1.1634855e+08

 length of U 314871, length of L 204581

0 Obj 1.1634855e+08 Primal inf 0.022994 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.022994 (1)

Optimal - objective value 1.1634855e+08

 length of U 314872, length of L 204581

0 Obj 1.1634855e+08 Primal inf 0.024662436 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.024662436 (1)

Optimal - objective value 1.1634855e+08

 length of U 314873, length of L 204584

0 Obj 1.1634855e+08 Primal inf 0.024777087 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.024777087 (1)

Optimal - objective value 1.1634855e+08

 length of U 314874, length of L 204587

0 Obj 1.1634855e+08 Primal inf 0.03455176 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.03455176 (1)

Optimal - objective value 1.1634855e+08

 length of U 314874, length of L 204588

0 Obj 1.1634855e+08 Primal inf 0.0056437516 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.0056437516 (1)

Optimal - objective value 1.1634855e+08

 length of U 314875, length of L 204589

0 Obj 1.1634855e+08 Primal inf 0.026194352 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.026194352 (1)

Optimal - objective value 1.1634855e+08

 length of U 314876, length of L 204592

0 Obj 1.1634855e+08 Primal inf 0.029703648 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.029703648 (1)

Optimal - objective value 1.1634855e+08

 length of U 314876, length of L 204593

0 Obj 1.1634855e+08 Primal inf 0.02877598 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.02877598 (1)

Optimal - objective value 1.1634855e+08

 length of U 314902, length of L 204572

0 Obj 1.1634855e+08 Primal inf 0.035568034 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.035568034 (1)

Optimal - objective value 1.1634855e+08

 length of U 314943, length of L 204569

0 Obj 1.1634855e+08 Primal inf 0.035343816 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.035343816 (1)

Optimal - objective value 1.1634855e+08

 length of U 314944, length of L 204576

0 Obj 1.1634855e+08 Primal inf 0.039083461 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.039083461 (1)

Optimal - objective value 1.1634855e+08

 length of U 314973, length of L 204568

0 Obj 1.1634855e+08 Primal inf 0.038645322 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 0.038645322 (1)

 length of U 314999, length of L 204596

22 Obj 1.1634856e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634856e+08

 length of U 314999, length of L 204596

0 Obj 1.1634856e+08 Primal inf 0.001000283 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.001000283 (1)

Optimal - objective value 1.1634856e+08

 length of U 315000, length of L 204598

0 Obj 1.1634856e+08 Primal inf 0.069226054 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.069226054 (1)

Optimal - objective value 1.1634856e+08

 length of U 315003, length of L 204595

0 Obj 1.1634856e+08 Primal inf 0.040962261 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.040962261 (1)

Optimal - objective value 1.1634856e+08

 length of U 315006, length of L 204592

0 Obj 1.1634856e+08 Primal inf 0.07936216 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.07936216 (1)

Optimal - objective value 1.1634856e+08

 length of U 315010, length of L 204592

0 Obj 1.1634856e+08 Primal inf 0.045779012 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.045779012 (1)

Optimal - objective value 1.1634856e+08

 length of U 315007, length of L 204589

0 Obj 1.1634856e+08 Primal inf 0.048854351 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.048854351 (1)

Optimal - objective value 1.1634856e+08

 length of U 315008, length of L 204592

0 Obj 1.1634856e+08 Primal inf 0.024850127 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.024850127 (1)

Optimal - objective value 1.1634856e+08

 length of U 315035, length of L 204571

0 Obj 1.1634856e+08 Primal inf 0.051297073 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.051297073 (1)

Optimal - objective value 1.1634856e+08

 length of U 315036, length of L 204574

0 Obj 1.1634856e+08 Primal inf 0.053739796 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.053739796 (1)

Optimal - objective value 1.1634856e+08

 length of U 315037, length of L 204577

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Optimal - objective value 1.1634856e+08

 length of U 315039, length of L 204575

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Optimal - objective value 1.1634856e+08

 length of U 315042, length of L 204572

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Optimal - objective value 1.1634856e+08

 length of U 315044, length of L 204570

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Optimal - objective value 1.1634856e+08

 length of U 315046, length of L 204568

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Optimal - objective value 1.1634856e+08

 length of U 315048, length of L 204566

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Optimal - objective value 1.1634856e+08

 length of U 315050, length of L 204564

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Optimal - objective value 1.1634856e+08

 length of U 315052, length of L 204562

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Optimal - objective value 1.1634856e+08

 length of U 315054, length of L 204560

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Optimal - objective value 1.1634856e+08

 length of U 315056, length of L 204558

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Optimal - objective value 1.1634856e+08

 length of U 315058, length of L 204556

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Optimal - objective value 1.1634856e+08

 length of U 315060, length of L 204554

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.094660634 (1)

Optimal - objective value 1.1634856e+08

 length of U 315063, length of L 204551

0 Obj 1.1634856e+08 Primal inf 0.056347608 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634856e+08 Primal inf 0.056347608 (1)

 length of U 315079, length of L 204533

36 Obj 1.1634857e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634857e+08

 length of U 315079, length of L 204533

0 Obj 1.1634857e+08 Primal inf 0.049290362 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634857e+08 Primal inf 0.049290362 (1)

Optimal - objective value 1.1634857e+08

 length of U 315080, length of L 204536

0 Obj 1.1634857e+08 Primal inf 0.063368295 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634857e+08 Primal inf 0.063368295 (1)

 length of U 315102, length of L 204497

28 Obj 1.1634857e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634857e+08

 length of U 315102, length of L 204497

0 Obj 1.1634857e+08 Primal inf 0.053095044 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634857e+08 Primal inf 0.053095044 (1)

Optimal - objective value 1.1634857e+08

 length of U 315159, length of L 204444

0 Obj 1.1634857e+08 Primal inf 0.041049752 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634857e+08 Primal inf 0.041049752 (1)

 length of U 315178, length of L 204415

77 Obj 1.1634857e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634857e+08

 length of U 315178, length of L 204415

0 Obj 1.1634857e+08 Primal inf 0.050795737 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634857e+08 Primal inf 0.050795737 (1)

 length of U 315278, length of L 204386

127 Obj 1.1634857e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634857e+08

 length of U 315278, length of L 204386

0 Obj 1.1634857e+08 Primal inf 0.055444733 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634857e+08 Primal inf 0.055444733 (1)

Optimal - objective value 1.1634857e+08

 length of U 315279, length of L 204389

0 Obj 1.1634857e+08 Primal inf 0.05532968 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634857e+08 Primal inf 0.05532968 (1)

Optimal - objective value 1.1634857e+08

 length of U 315228, length of L 204431

0 Obj 1.1634857e+08 Primal inf 0.062011772 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634857e+08 Primal inf 0.062011772 (1)

Optimal - objective value 1.1634857e+08

 length of U 315229, length of L 204434

0 Obj 1.1634857e+08 Primal inf 0.025210832 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634857e+08 Primal inf 0.025210832 (1)

Optimal - objective value 1.1634857e+08

 length of U 315238, length of L 204430

0 Obj 1.1634857e+08 Primal inf 0.060108717 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634857e+08 Primal inf 0.060108717 (1)

Optimal - objective value 1.1634858e+08

 length of U 315238, length of L 204438

0 Obj 1.1634858e+08 Primal inf 0.060108717 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634858e+08 Primal inf 0.060108717 (1)

Optimal - objective value 1.1634858e+08

 length of U 315236, length of L 204440

0 Obj 1.1634858e+08 Primal inf 0.063510686 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634858e+08 Primal inf 0.063510686 (1)

 length of U 315236, length of L 204420

32 Obj 1.1634858e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634858e+08

 length of U 315236, length of L 204420

0 Obj 1.1634858e+08 Primal inf 0.012423268 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634858e+08 Primal inf 0.012423268 (1)

Optimal - objective value 1.1634858e+08

 length of U 315238, length of L 204426

0 Obj 1.1634858e+08 Primal inf 0.063510686 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634858e+08 Primal inf 0.063510686 (1)

Optimal - objective value 1.1634858e+08

 length of U 315232, length of L 204436

0 Obj 1.1634858e+08 Primal inf 0.06118239 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634858e+08 Primal inf 0.06118239 (1)

Optimal - objective value 1.1634858e+08

 length of U 315233, length of L 204442

0 Obj 1.1634858e+08 Primal inf 0.066013483 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634858e+08 Primal inf 0.066013483 (1)

 length of U 315292, length of L 204449

44 Obj 1.1634858e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634858e+08

 length of U 315292, length of L 204449

0 Obj 1.1634858e+08 Primal inf 0.035773022 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634858e+08 Primal inf 0.035773022 (1)

Optimal - objective value 1.1634858e+08

 length of U 315240, length of L 204518

0 Obj 1.1634858e+08 Primal inf 0.038435026 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634858e+08 Primal inf 0.038435026 (1)

Optimal - objective value 1.1634858e+08

 length of U 315476, length of L 204425

0 Obj 1.1634858e+08 Primal inf 0.061363464 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634858e+08 Primal inf 0.061363464 (1)

Optimal - objective value 1.1634858e+08

 length of U 315481, length of L 204420

0 Obj 1.1634858e+08 Primal inf 0.064435832 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634858e+08 Primal inf 0.064435832 (1)

Optimal - objective value 1.1634859e+08

 length of U 315483, length of L 204426

0 Obj 1.1634859e+08 Primal inf 0.063253605 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.063253605 (1)

Optimal - objective value 1.1634859e+08

 length of U 315493, length of L 204416

0 Obj 1.1634859e+08 Primal inf 0.06919396 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.06919396 (1)

 length of U 315346, length of L 204558

38 Obj 1.1634859e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634859e+08

 length of U 315346, length of L 204558

0 Obj 1.1634859e+08 Primal inf 0.071728012 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.071728012 (1)

Optimal - objective value 1.1634859e+08

 length of U 315337, length of L 204566

0 Obj 1.1634859e+08 Primal inf 0.087405269 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.087405269 (1)

Optimal - objective value 1.1634859e+08

 length of U 315378, length of L 204542

0 Obj 1.1634859e+08 Primal inf 0.078082632 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.078082632 (1)

Optimal - objective value 1.1634859e+08

 length of U 315379, length of L 204545

0 Obj 1.1634859e+08 Primal inf 0.077950638 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.077950638 (1)

 length of U 315414, length of L 204472

33 Obj 1.1634859e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634859e+08

 length of U 315414, length of L 204472

0 Obj 1.1634859e+08 Primal inf 0.071009962 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.071009962 (1)

Optimal - objective value 1.1634859e+08

 length of U 315415, length of L 204474

0 Obj 1.1634859e+08 Primal inf 0.080157231 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.080157231 (1)

Optimal - objective value 1.1634859e+08

 length of U 315397, length of L 204499

0 Obj 1.1634859e+08 Primal inf 0.078435953 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.078435953 (1)

Optimal - objective value 1.1634859e+08

 length of U 315249, length of L 204587

0 Obj 1.1634859e+08 Primal inf 0.083319238 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.083319238 (1)

 length of U 315295, length of L 204600

48 Obj 1.1634859e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634859e+08

 length of U 315295, length of L 204600

0 Obj 1.1634859e+08 Primal inf 0.0079609548 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.0079609548 (1)

Optimal - objective value 1.1634859e+08

 length of U 315283, length of L 204624

0 Obj 1.1634859e+08 Primal inf 0.12005899 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.12005899 (1)

Optimal - objective value 1.1634859e+08

 length of U 315285, length of L 204631

0 Obj 1.1634859e+08 Primal inf 0.089007753 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.089007753 (1)

Optimal - objective value 1.1634859e+08

 length of U 315270, length of L 204638

0 Obj 1.1634859e+08 Primal inf 0.022807067 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.022807067 (1)

 length of U 315224, length of L 204662

50 Obj 1.1634859e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634859e+08

 length of U 315224, length of L 204662

0 Obj 1.1634859e+08 Primal inf 0.074919067 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.074919067 (1)

 length of U 315511, length of L 204488

118 Obj 1.1634859e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634859e+08

 length of U 315511, length of L 204488

0 Obj 1.1634859e+08 Primal inf 0.026398457 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.026398457 (1)

Optimal - objective value 1.1634859e+08

 length of U 315496, length of L 204516

0 Obj 1.1634859e+08 Primal inf 0.14521411 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.14521411 (1)

Optimal - objective value 1.1634859e+08

 length of U 315497, length of L 204519

0 Obj 1.1634859e+08 Primal inf 0.081858415 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.081858415 (1)

Optimal - objective value 1.1634859e+08

 length of U 315522, length of L 204471

0 Obj 1.1634859e+08 Primal inf 0.012389783 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.012389783 (1)

Optimal - objective value 1.1634859e+08

 length of U 315504, length of L 204504

0 Obj 1.1634859e+08 Primal inf 0.055366178 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.055366178 (1)

 length of U 315525, length of L 204424

46 Obj 1.1634859e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634859e+08

 length of U 315525, length of L 204424

0 Obj 1.1634859e+08 Primal inf 0.028586686 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.028586686 (1)

Optimal - objective value 1.1634859e+08

 length of U 315531, length of L 204444

0 Obj 1.1634859e+08 Primal inf 0.087269854 (1)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333851 ( 0.0011655824%) - largest zero change 0

0 Obj 1.1634859e+08 Primal inf 0.087269854 (1)

 length of U 315532, length of L 204427

22 Obj 1.1634859e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1634859e+08

Cbc0045I Heuristic DiveCoefficient took 60.54 seconds (no good)

Cbc0045I Heuristic RINS took 0 seconds (no good)

 length of U 314803, length of L 204771

Optimal - objective value 1.1634855e+08

Cbc0046I Root node pass 1, 362239 rows, 0 total tight cuts - objective 1.1634855e+08

Initial range of elements is 0.00013227513 to 10000

Range of elements is 0.0017148306 to 583.14797

Range of elements is 0.048840213 to 20.474931

Final range of elements is 0.065997975 to 15.15198

 length of U 323188, length of L 204775

0 Obj 1.1634855e+08 Primal inf 12907.868 (1611)

Perturbing problem by 0.001% of 108550.59 - largest nonzero change 0.00033333873 ( 0.0078579345%) - largest zero change 0

0 Obj 1.1634855e+08 Primal inf 12907.868 (1611)

 length of U 327738, length of L 203897

1000 Obj 1.1635999e+08 Primal inf 22802.403 (1846)

 length of U 329515, length of L 203579

2000 Obj 1.1636146e+08 Primal inf 9897.9151 (1382)

 length of U 330382, length of L 203235

3000 Obj 1.1636219e+08 Primal inf 1554.1618 (1140)

 length of U 330786, length of L 203455

4000 Obj 1.1636272e+08 Primal inf 213.38268 (801)

 length of U 331360, length of L 203505

5000 Obj 1.1636291e+08 Primal inf 21.572305 (582)

 length of U 332791, length of L 202315

6000 Obj 1.16363e+08 Primal inf 0.00021259614 (128)

 length of U 332900, length of L 202160

6123 Obj 1.16363e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.16363e+08

Initial range of elements is 0.00013227513 to 10000

Range of elements is 0.0022939716 to 435.92519

Range of elements is 0.11120798 to 8.9921607

Final range of elements is 0.12473261 to 8.0171496

 length of U 323236, length of L 202138

Optimal - objective value 1.16363e+08

Cbc0046I Root node pass 2, 362854 rows, 615 total tight cuts - objective 1.16363e+08

Initial range of elements is 2.1689398e-05 to 10000

Range of elements is 0.00065507264 to 1526.5483

Range of elements is 0.030110783 to 33.210694

Final range of elements is 0.050069948 to 19.97206

 length of U 329889, length of L 202150

0 Obj 1.16363e+08 Primal inf 3967.2527 (708)

Perturbing problem by 0.001% of 77768.88 - largest nonzero change 0.00033333859 ( 0.0070148861%) - largest zero change 0

0 Obj 1.16363e+08 Primal inf 3967.2527 (708)

 length of U 330896, length of L 203925

1000 Obj 1.1636546e+08 Primal inf 8304.3895 (1197)

 length of U 330789, length of L 203903

2000 Obj 1.1636565e+08 Primal inf 5626.1343 (993)

 length of U 331055, length of L 203491

3000 Obj 1.1636573e+08 Primal inf 292.47754 (602)

 length of U 331122, length of L 203756

4000 Obj 1.1636585e+08 Primal inf 22.558782 (407)

 length of U 331016, length of L 204152

5000 Obj 1.1636588e+08 Primal inf 0.41873631 (234)

 length of U 332255, length of L 202863

5429 Obj 1.1636588e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636588e+08

Initial range of elements is 2.1689398e-05 to 10000

Range of elements is 0.0022893093 to 436.81298

Range of elements is 0.04538945 to 22.031552

Final range of elements is 0.073796475 to 13.550783

 length of U 325616, length of L 202869

Optimal - objective value 1.1636588e+08

Cbc0046I Root node pass 3, 363056 rows, 817 total tight cuts - objective 1.1636588e+08

Initial range of elements is 1.5001967e-05 to 10000

Range of elements is 0.0016022328 to 624.12904

Range of elements is 0.028560816 to 35.013006

Final range of elements is 0.030871404 to 32.392437

 length of U 331376, length of L 202788

0 Obj 1.1636588e+08 Primal inf 1843.7826 (430)

Perturbing problem by 0.001% of 188736.08 - largest nonzero change 0.00020544935 ( 0.0051867654%) - largest zero change 0

0 Obj 1.1636588e+08 Primal inf 1843.7826 (430)

 length of U 331935, length of L 204131

1000 Obj 1.1636684e+08 Primal inf 22704.715 (622)

 length of U 331466, length of L 204715

2000 Obj 1.1636688e+08 Primal inf 4.6805346 (171)

 length of U 331284, length of L 204552

2476 Obj 1.1636689e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636689e+08

Initial range of elements is 1.5001967e-05 to 10000

Range of elements is 0.0019359155 to 516.55147

Range of elements is 0.055013218 to 18.17745

Final range of elements is 0.077183258 to 12.956178

 length of U 326649, length of L 204402

0 Obj 1.1636689e+08 Primal inf 5.6067401e-07 (6)

Perturbing problem by 0.001% of 166939.37 - largest nonzero change 0.00033273199 ( 0.0065464135%) - largest zero change 0

0 Obj 1.1636689e+08 Primal inf 5.6067401e-07 (6)

Optimal - objective value 1.1636689e+08

Cbc0046I Root node pass 4, 363138 rows, 899 total tight cuts - objective 1.1636689e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.0010246806 to 975.91385

Range of elements is 0.022297289 to 44.848501

Final range of elements is 0.032248915 to 31.008795

 length of U 332139, length of L 204397

0 Obj 1.1636689e+08 Primal inf 1527.8426 (367)

Perturbing problem by 0.001% of 114215.99 - largest nonzero change 0.00033333484 ( 0.0093736446%) - largest zero change 0

0 Obj 1.1636689e+08 Primal inf 1527.8426 (367)

 length of U 332347, length of L 205184

1000 Obj 1.1636765e+08 Primal inf 5.8960229 (230)

 length of U 332512, length of L 204813

1627 Obj 1.1636766e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636766e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.0019359155 to 516.55147

Range of elements is 0.045026991 to 22.208901

Final range of elements is 0.059703758 to 16.749364

 length of U 327281, length of L 204794

0 Obj 1.1636766e+08 Primal inf 1.9262917e-07 (4)

Perturbing problem by 0.001% of 215814.3 - largest nonzero change 0.00032956409 ( 0.0083890073%) - largest zero change 0

0 Obj 1.1636766e+08 Primal inf 1.9262917e-07 (4)

Optimal - objective value 1.1636766e+08

Cbc0046I Root node pass 5, 363176 rows, 937 total tight cuts - objective 1.1636766e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.0019359155 to 516.55147

Range of elements is 0.028640554 to 34.915526

Final range of elements is 0.030490194 to 32.79743

 length of U 331179, length of L 204784

0 Obj 1.1636766e+08 Primal inf 1124.7013 (303)

Perturbing problem by 0.001% of 385491.33 - largest nonzero change 0.00033333868 ( 0.0057017397%) - largest zero change 0

0 Obj 1.1636766e+08 Primal inf 1124.7013 (303)

 length of U 331460, length of L 205509

1000 Obj 1.1636792e+08 Primal inf 0.25305462 (101)

 length of U 331801, length of L 205225

1236 Obj 1.1636792e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636792e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.0019359155 to 516.55147

Range of elements is 0.045026991 to 22.208901

Final range of elements is 0.051986727 to 19.235679

 length of U 327909, length of L 205266

0 Obj 1.1636792e+08 Primal inf 2.6985409e-08 (1)

Perturbing problem by 0.001% of 247850.28 - largest nonzero change 0.00032845905 ( 0.0062505859%) - largest zero change 0

0 Obj 1.1636792e+08 Primal inf 2.6985409e-08 (1)

 length of U 327856, length of L 205294

23 Obj 1.1636792e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636792e+08

Cbc0046I Root node pass 6, 363231 rows, 992 total tight cuts - objective 1.1636792e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030439368 to 32.852194

Final range of elements is 0.034199898 to 29.239853

 length of U 331743, length of L 205327

0 Obj 1.1636792e+08 Primal inf 729.8418 (214)

Perturbing problem by 0.001% of 152108.86 - largest nonzero change 0.00016859615 ( 0.0068163066%) - largest zero change 0

0 Obj 1.1636792e+08 Primal inf 729.8418 (214)

 length of U 331531, length of L 205879

934 Obj 1.1636817e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636817e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.035562714 to 28.119339

Final range of elements is 0.051986727 to 19.235679

 length of U 327682, length of L 205863

0 Obj 1.1636817e+08 Primal inf 6.7934353e-08 (1)

Perturbing problem by 0.001% of 92398.667 - largest nonzero change 0.00033333881 ( 0.0068165962%) - largest zero change 0

0 Obj 1.1636817e+08 Primal inf 6.7934353e-08 (1)

Optimal - objective value 1.1636817e+08

Cbc0046I Root node pass 7, 363247 rows, 1008 total tight cuts - objective 1.1636817e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.031493136 to 31.752951

Final range of elements is 0.046090586 to 21.696405

 length of U 331066, length of L 205790

0 Obj 1.1636817e+08 Primal inf 391.39495 (155)

Perturbing problem by 0.001% of 104218.77 - largest nonzero change 0.00033333896 ( 0.0080284441%) - largest zero change 0

0 Obj 1.1636817e+08 Primal inf 391.39495 (155)

 length of U 331105, length of L 206407

700 Obj 1.1636822e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636822e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.035562714 to 28.119339

Final range of elements is 0.051986727 to 19.235679

 length of U 328522, length of L 206362

Optimal - objective value 1.1636822e+08

Cbc0046I Root node pass 8, 363282 rows, 1043 total tight cuts - objective 1.1636822e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.017288003 to 57.843582

Final range of elements is 0.022493337 to 44.45761

 length of U 332148, length of L 206321

0 Obj 1.1636822e+08 Primal inf 353.58983 (156)

Perturbing problem by 0.001% of 158418.81 - largest nonzero change 0.00018015974 ( 0.0075883197%) - largest zero change 0

0 Obj 1.1636822e+08 Primal inf 353.58983 (156)

 length of U 331834, length of L 207041

404 Obj 1.1636825e+08 Primal inf 0.081030025 (40)

 length of U 331496, length of L 207152

454 Obj 1.1636825e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636825e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.035562714 to 28.119339

Final range of elements is 0.051986727 to 19.235679

 length of U 328272, length of L 207128

0 Obj 1.1636825e+08 Primal inf 7.0632359e-08 (1)

Perturbing problem by 0.001% of 71777.385 - largest nonzero change 0.00033333896 ( 0.0084565331%) - largest zero change 0

0 Obj 1.1636825e+08 Primal inf 7.0632359e-08 (1)

Optimal - objective value 1.1636825e+08

Cbc0046I Root node pass 9, 363293 rows, 1054 total tight cuts - objective 1.1636825e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00041306434 to 2420.9304

Range of elements is 0.031308971 to 31.939728

Final range of elements is 0.048800403 to 20.491634

 length of U 331413, length of L 207231

0 Obj 1.1636825e+08 Primal inf 192.48871 (108)

Perturbing problem by 0.001% of 57801.92 - largest nonzero change 0.00033333879 ( 0.040003444%) - largest zero change 0

0 Obj 1.1636825e+08 Primal inf 192.48871 (108)

 length of U 331285, length of L 207609

340 Obj 1.1636827e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636827e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00075391119 to 1326.4162

Range of elements is 0.035562714 to 28.119339

Final range of elements is 0.050219166 to 19.912716

 length of U 328800, length of L 207595

Optimal - objective value 1.1636827e+08

Cbc0046I Root node pass 10, 363313 rows, 1074 total tight cuts - objective 1.1636827e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00075391119 to 1326.4162

Range of elements is 0.02439662 to 40.989284

Final range of elements is 0.031910908 to 31.337246

 length of U 331673, length of L 207488

0 Obj 1.1636827e+08 Primal inf 78.080008 (107)

Perturbing problem by 0.001% of 124946.13 - largest nonzero change 0.00033333277 ( 0.0071737902%) - largest zero change 0

0 Obj 1.1636827e+08 Primal inf 78.080008 (107)

 length of U 331376, length of L 208246

229 Obj 1.1636827e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636827e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00075391119 to 1326.4162

Range of elements is 0.031319611 to 31.928877

Final range of elements is 0.045006607 to 22.21896

 length of U 329573, length of L 208223

0 Obj 1.1636827e+08 Primal inf 1.8941512e-08 (1)

Perturbing problem by 0.001% of 88590.204 - largest nonzero change 0.00033333881 ( 0.0071740258%) - largest zero change 0

0 Obj 1.1636827e+08 Primal inf 1.8941512e-08 (1)

Optimal - objective value 1.1636827e+08

Cbc0046I Root node pass 11, 363329 rows, 1090 total tight cuts - objective 1.1636827e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.022483705 to 44.476655

Final range of elements is 0.026707248 to 37.443019

 length of U 332310, length of L 208172

0 Obj 1.1636827e+08 Primal inf 64.950747 (83)

Perturbing problem by 0.001% of 148677.47 - largest nonzero change 0.00016629208 ( 0.0073506047%) - largest zero change 0

0 Obj 1.1636827e+08 Primal inf 64.950747 (83)

 length of U 332345, length of L 208067

500 Obj 1.1636828e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636828e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030987228 to 32.271361

Final range of elements is 0.045403367 to 22.024798

 length of U 329445, length of L 208125

0 Obj 1.1636828e+08 Primal inf 8.0610564e-08 (3)

Perturbing problem by 0.001% of 82184.902 - largest nonzero change 0.00033333865 ( 0.0073510047%) - largest zero change 0

0 Obj 1.1636828e+08 Primal inf 8.0610564e-08 (3)

Optimal - objective value 1.1636828e+08

Cbc0046I Root node pass 12, 363323 rows, 1084 total tight cuts - objective 1.1636828e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030913052 to 32.348795

Final range of elements is 0.036129136 to 27.678492

 length of U 331327, length of L 208125

0 Obj 1.1636828e+08 Primal inf 128.73972 (79)

Perturbing problem by 0.001% of 103281.5 - largest nonzero change 0.00033333826 ( 0.007399513%) - largest zero change 0

0 Obj 1.1636828e+08 Primal inf 128.73972 (79)

 length of U 331028, length of L 208430

126 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 329272, length of L 208448

Optimal - objective value 1.1636829e+08

Cbc0046I Root node pass 13, 363332 rows, 1093 total tight cuts - objective 1.1636829e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.024952551 to 40.076063

Final range of elements is 0.039687922 to 25.196582

 length of U 330453, length of L 208458

0 Obj 1.1636829e+08 Primal inf 64.456991 (49)

Perturbing problem by 0.001% of 94020.323 - largest nonzero change 0.00033333839 ( 0.007808038%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 64.456991 (49)

 length of U 330794, length of L 208491

308 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.024952551 to 40.076063

Final range of elements is 0.039687922 to 25.196582

 length of U 329686, length of L 208488

Optimal - objective value 1.1636829e+08

Cbc0046I Root node pass 14, 363340 rows, 1101 total tight cuts - objective 1.1636829e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.017108094 to 58.451866

Final range of elements is 0.026134095 to 38.264191

 length of U 331481, length of L 208519

0 Obj 1.1636829e+08 Primal inf 18.331357 (41)

Perturbing problem by 0.001% of 142781.73 - largest nonzero change 0.00016375371 ( 0.0097460595%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 18.331357 (41)

 length of U 331490, length of L 208169

104 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 329912, length of L 208178

0 Obj 1.1636829e+08 Primal inf 3.8041539e-08 (1)

Perturbing problem by 0.001% of 82860.56 - largest nonzero change 0.00033333749 ( 0.0097465531%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 3.8041539e-08 (1)

Optimal - objective value 1.1636829e+08

Cbc0046I Root node pass 15, 363345 rows, 1106 total tight cuts - objective 1.1636829e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 331173, length of L 208193

0 Obj 1.1636829e+08 Primal inf 40.494772 (52)

Perturbing problem by 0.001% of 82860.56 - largest nonzero change 0.00033333877 ( 0.0069400487%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 40.494772 (52)

 length of U 330998, length of L 208865

32 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 329931, length of L 208831

Optimal - objective value 1.1636829e+08

Cbc0046I Root node pass 16, 363354 rows, 1115 total tight cuts - objective 1.1636829e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 330324, length of L 208832

0 Obj 1.1636829e+08 Primal inf 4.7244168 (17)

Perturbing problem by 0.001% of 82860.56 - largest nonzero change 0.00033333862 ( 0.0077641563%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 4.7244168 (17)

 length of U 330255, length of L 208693

31 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 329858, length of L 208683

Optimal - objective value 1.1636829e+08

Cbc0046I Root node pass 17, 363357 rows, 1118 total tight cuts - objective 1.1636829e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 330434, length of L 208683

0 Obj 1.1636829e+08 Primal inf 6.4951933 (13)

Perturbing problem by 0.001% of 82860.56 - largest nonzero change 0.00033333894 ( 0.010032774%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 6.4951933 (13)

 length of U 330368, length of L 208856

23 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 330014, length of L 208856

Optimal - objective value 1.1636829e+08

Cbc0046I Root node pass 18, 363359 rows, 1120 total tight cuts - objective 1.1636829e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 330503, length of L 208916

0 Obj 1.1636829e+08 Primal inf 1.8920746 (20)

Perturbing problem by 0.001% of 82860.56 - largest nonzero change 0.00033333895 ( 0.0063225927%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.8920746 (20)

 length of U 330436, length of L 208860

30 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 330028, length of L 208859

Optimal - objective value 1.1636829e+08

Cbc0046I Root node pass 19, 363364 rows, 1125 total tight cuts - objective 1.1636829e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.04431065 to 22.567938

 length of U 330190, length of L 208853

0 Obj 1.1636829e+08 Primal inf 0.66799971 (12)

Perturbing problem by 0.001% of 84211.613 - largest nonzero change 0.00033333889 ( 0.0094942843%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.66799971 (12)

 length of U 329995, length of L 209155

31 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.002291812 to 436.33596

Range of elements is 0.041901443 to 23.865527

Final range of elements is 0.04857554 to 20.586493

 length of U 330025, length of L 209131

0 Obj 1.1636829e+08 Primal inf 6.2717889e-07 (2)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 6.2717889e-07 (2)

Optimal - objective value 1.1636829e+08

 length of U 330045, length of L 209133

0 Obj 1.1636829e+08 Primal inf 3.5933687e-07 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 3.5933687e-07 (1)

Optimal - objective value 1.1636829e+08

 length of U 330046, length of L 209135

0 Obj 1.1636829e+08 Primal inf 3.8976608e-07 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 3.8976608e-07 (1)

Optimal - objective value 1.1636829e+08

 length of U 330048, length of L 209132

0 Obj 1.1636829e+08 Primal inf 2.6203434e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.6203434e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 330043, length of L 209137

0 Obj 1.1636829e+08 Primal inf 2.0101554e-06 (4)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.0101554e-06 (4)

 length of U 330267, length of L 209017

21 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

 length of U 330267, length of L 209017

0 Obj 1.1636829e+08 Primal inf 0.00026945135 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00026945135 (1)

 length of U 330243, length of L 208996

47 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

 length of U 330243, length of L 208996

0 Obj 1.1636829e+08 Primal inf 2.3067878e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.3067878e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330252, length of L 208986

0 Obj 1.1636829e+08 Primal inf 2.5930893e-07 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.5930893e-07 (1)

Optimal - objective value 1.1636829e+08

 length of U 330256, length of L 208981

0 Obj 1.1636829e+08 Primal inf 0.00027720438 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00027720438 (1)

Optimal - objective value 1.1636829e+08

 length of U 330248, length of L 208985

0 Obj 1.1636829e+08 Primal inf 2.6719639e-07 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.6719639e-07 (1)

Optimal - objective value 1.1636829e+08

 length of U 330233, length of L 208965

0 Obj 1.1636829e+08 Primal inf 2.164443e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.164443e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330247, length of L 208946

0 Obj 1.1636829e+08 Primal inf 1.2858934e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.2858934e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330248, length of L 208944

0 Obj 1.1636829e+08 Primal inf 6.5197263e-07 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 6.5197263e-07 (1)

 length of U 330256, length of L 208961

75 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

 length of U 330256, length of L 208961

0 Obj 1.1636829e+08 Primal inf 2.598196e-07 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.598196e-07 (1)

Optimal - objective value 1.1636829e+08

 length of U 330165, length of L 208955

0 Obj 1.1636829e+08 Primal inf 6.9775441e-07 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 6.9775441e-07 (1)

Optimal - objective value 1.1636829e+08

 length of U 330165, length of L 208957

0 Obj 1.1636829e+08 Primal inf 8.0400768e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 8.0400768e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 330179, length of L 208987

0 Obj 1.1636829e+08 Primal inf 1.9570855e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.9570855e-06 (1)

 length of U 330285, length of L 208910

50 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

 length of U 330285, length of L 208910

0 Obj 1.1636829e+08 Primal inf 0.00038828824 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00038828824 (1)

 length of U 330325, length of L 208956

101 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

 length of U 330325, length of L 208956

0 Obj 1.1636829e+08 Primal inf 2.5366172e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.5366172e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330334, length of L 208944

0 Obj 1.1636829e+08 Primal inf 2.1618344e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.1618344e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330341, length of L 208936

0 Obj 1.1636829e+08 Primal inf 1.1536155e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.1536155e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330341, length of L 208938

0 Obj 1.1636829e+08 Primal inf 1.9425641e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.9425641e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330391, length of L 208887

0 Obj 1.1636829e+08 Primal inf 4.0328694e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 4.0328694e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330450, length of L 208827

0 Obj 1.1636829e+08 Primal inf 1.6095862e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.6095862e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 330449, length of L 208810

0 Obj 1.1636829e+08 Primal inf 3.4344344e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 3.4344344e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330575, length of L 208696

0 Obj 1.1636829e+08 Primal inf 9.9388906e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 9.9388906e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330718, length of L 208539

0 Obj 1.1636829e+08 Primal inf 3.0399824e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 3.0399824e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330721, length of L 208531

0 Obj 1.1636829e+08 Primal inf 3.299381e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 3.299381e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330774, length of L 208477

0 Obj 1.1636829e+08 Primal inf 8.5111098e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 8.5111098e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330787, length of L 208469

0 Obj 1.1636829e+08 Primal inf 3.4397091e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 3.4397091e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330805, length of L 208451

0 Obj 1.1636829e+08 Primal inf 3.7564068e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 3.7564068e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330813, length of L 208438

0 Obj 1.1636829e+08 Primal inf 2.3295936e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.3295936e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 330849, length of L 208401

0 Obj 1.1636829e+08 Primal inf 1.2441182e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.2441182e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 330834, length of L 208330

0 Obj 1.1636829e+08 Primal inf 2.1491995e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.1491995e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 330840, length of L 208319

0 Obj 1.1636829e+08 Primal inf 7.3574214e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 7.3574214e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330851, length of L 208308

0 Obj 1.1636829e+08 Primal inf 1.6480303e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.6480303e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331002, length of L 208273

0 Obj 1.1636829e+08 Primal inf 2.9638399e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.9638399e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330981, length of L 208300

0 Obj 1.1636829e+08 Primal inf 7.8057684e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 7.8057684e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330874, length of L 208295

0 Obj 1.1636829e+08 Primal inf 2.5779352e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.5779352e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330883, length of L 208280

0 Obj 1.1636829e+08 Primal inf 1.6216267e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.6216267e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 330939, length of L 208104

0 Obj 1.1636829e+08 Primal inf 3.5883711e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 3.5883711e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330937, length of L 208104

0 Obj 1.1636829e+08 Primal inf 9.9006833e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 9.9006833e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330941, length of L 208069

0 Obj 1.1636829e+08 Primal inf 1.0024569e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.0024569e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 330963, length of L 208048

0 Obj 1.1636829e+08 Primal inf 2.5724658e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.5724658e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330967, length of L 208044

0 Obj 1.1636829e+08 Primal inf 1.9393474e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.9393474e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 331001, length of L 208009

0 Obj 1.1636829e+08 Primal inf 6.4611746e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 6.4611746e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 331000, length of L 207978

0 Obj 1.1636829e+08 Primal inf 4.4138913e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 4.4138913e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 330973, length of L 207980

0 Obj 1.1636829e+08 Primal inf 0.00093460371 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00093460371 (1)

 length of U 330875, length of L 208036

209 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

 length of U 330875, length of L 208036

0 Obj 1.1636829e+08 Primal inf 1.0808629e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.0808629e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331141, length of L 207913

0 Obj 1.1636829e+08 Primal inf 8.4405182e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 8.4405182e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 331024, length of L 208109

0 Obj 1.1636829e+08 Primal inf 4.5776197e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 4.5776197e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 331004, length of L 207912

0 Obj 1.1636829e+08 Primal inf 2.7702751e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.7702751e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331003, length of L 207916

0 Obj 1.1636829e+08 Primal inf 5.0060415e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 5.0060415e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 331008, length of L 207896

0 Obj 1.1636829e+08 Primal inf 4.2375694e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 4.2375694e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 331039, length of L 207861

0 Obj 1.1636829e+08 Primal inf 9.2445239e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 9.2445239e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 331035, length of L 207850

0 Obj 1.1636829e+08 Primal inf 9.853435e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 9.853435e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 331048, length of L 207834

0 Obj 1.1636829e+08 Primal inf 2.3394794e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.3394794e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331116, length of L 207757

0 Obj 1.1636829e+08 Primal inf 1.3847668e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.3847668e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331127, length of L 207745

0 Obj 1.1636829e+08 Primal inf 0.0015923325 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.0015923325 (1)

 length of U 331066, length of L 207815

103 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

 length of U 331066, length of L 207815

0 Obj 1.1636829e+08 Primal inf 1.1443253e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.1443253e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331069, length of L 207801

0 Obj 1.1636829e+08 Primal inf 1.8758608e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.8758608e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331183, length of L 207625

0 Obj 1.1636829e+08 Primal inf 2.5494338e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.5494338e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331250, length of L 207710

0 Obj 1.1636829e+08 Primal inf 7.5439595e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 7.5439595e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 331308, length of L 207651

0 Obj 1.1636829e+08 Primal inf 5.5260228e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 5.5260228e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331299, length of L 207625

0 Obj 1.1636829e+08 Primal inf 1.9952473e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.9952473e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331348, length of L 207577

0 Obj 1.1636829e+08 Primal inf 9.689227e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 9.689227e-06 (1)

Optimal - objective value 1.1636829e+08

 length of U 331366, length of L 207558

0 Obj 1.1636829e+08 Primal inf 2.3823812e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.3823812e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331396, length of L 207527

0 Obj 1.1636829e+08 Primal inf 1.985985e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.985985e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331405, length of L 207491

0 Obj 1.1636829e+08 Primal inf 0.00019932327 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00019932327 (1)

Optimal - objective value 1.1636829e+08

 length of U 331407, length of L 207488

0 Obj 1.1636829e+08 Primal inf 8.6459088e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 8.6459088e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331578, length of L 207299

0 Obj 1.1636829e+08 Primal inf 0.0046296313 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.0046296313 (1)

 length of U 331442, length of L 207481

497 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

 length of U 331442, length of L 207481

0 Obj 1.1636829e+08 Primal inf 1.0736285e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.0736285e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331540, length of L 207428

0 Obj 1.1636829e+08 Primal inf 5.5708941e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 5.5708941e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331547, length of L 207420

0 Obj 1.1636829e+08 Primal inf 2.2993865e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.2993865e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331547, length of L 207414

0 Obj 1.1636829e+08 Primal inf 1.744465e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 1.744465e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331592, length of L 207365

0 Obj 1.1636829e+08 Primal inf 4.6208443e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 4.6208443e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331746, length of L 207237

0 Obj 1.1636829e+08 Primal inf 4.3826213e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 4.3826213e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331707, length of L 207245

0 Obj 1.1636829e+08 Primal inf 5.6691563e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 5.6691563e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331715, length of L 207244

0 Obj 1.1636829e+08 Primal inf 3.2560826e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 3.2560826e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331693, length of L 207220

0 Obj 1.1636829e+08 Primal inf 0.00013488749 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00013488749 (1)

Optimal - objective value 1.1636829e+08

 length of U 331711, length of L 207199

0 Obj 1.1636829e+08 Primal inf 0.00012238972 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00012238972 (1)

Optimal - objective value 1.1636829e+08

 length of U 331793, length of L 207207

0 Obj 1.1636829e+08 Primal inf 0.00023354665 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00023354665 (1)

Optimal - objective value 1.1636829e+08

 length of U 331813, length of L 207144

0 Obj 1.1636829e+08 Primal inf 0.00016478741 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00016478741 (1)

Optimal - objective value 1.1636829e+08

 length of U 331710, length of L 207181

0 Obj 1.1636829e+08 Primal inf 3.0331333e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 3.0331333e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331710, length of L 207178

0 Obj 1.1636829e+08 Primal inf 0.00014565668 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00014565668 (1)

Optimal - objective value 1.1636829e+08

 length of U 331743, length of L 207129

0 Obj 1.1636829e+08 Primal inf 2.1851574e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 2.1851574e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331735, length of L 207096

0 Obj 1.1636829e+08 Primal inf 0.00015288829 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00015288829 (1)

Optimal - objective value 1.1636829e+08

 length of U 331735, length of L 207096

0 Obj 1.1636829e+08 Primal inf 0.0001686066 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.0001686066 (1)

Optimal - objective value 1.1636829e+08

 length of U 331733, length of L 207093

0 Obj 1.1636829e+08 Primal inf 0.00017704422 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00017704422 (1)

Optimal - objective value 1.1636829e+08

 length of U 331754, length of L 207079

0 Obj 1.1636829e+08 Primal inf 0.00028887181 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00028887181 (1)

Optimal - objective value 1.1636829e+08

 length of U 331751, length of L 207068

0 Obj 1.1636829e+08 Primal inf 0.00025248116 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00025248116 (1)

 length of U 331754, length of L 207029

51 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

 length of U 331754, length of L 207029

0 Obj 1.1636829e+08 Primal inf 0.00041594748 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00041594748 (1)

Optimal - objective value 1.1636829e+08

 length of U 331738, length of L 207156

0 Obj 1.1636829e+08 Primal inf 0.0004267734 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.0004267734 (1)

Optimal - objective value 1.1636829e+08

 length of U 331731, length of L 207155

0 Obj 1.1636829e+08 Primal inf 0.0021755514 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.0021755514 (1)

Optimal - objective value 1.1636829e+08

 length of U 331767, length of L 207145

0 Obj 1.1636829e+08 Primal inf 0.00077813499 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00077813499 (1)

Optimal - objective value 1.1636829e+08

 length of U 331770, length of L 207139

0 Obj 1.1636829e+08 Primal inf 0.000895408 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.000895408 (1)

Optimal - objective value 1.1636829e+08

 length of U 331563, length of L 207128

0 Obj 1.1636829e+08 Primal inf 0.001200939 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.001200939 (1)

Optimal - objective value 1.1636829e+08

 length of U 331580, length of L 207133

0 Obj 1.1636829e+08 Primal inf 5.5959419e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 5.5959419e-05 (1)

Optimal - objective value 1.1636829e+08

 length of U 331636, length of L 207139

0 Obj 1.1636829e+08 Primal inf 0.00059712559 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00059712559 (1)

Optimal - objective value 1.1636829e+08

 length of U 331638, length of L 207142

0 Obj 1.1636829e+08 Primal inf 0.00069340906 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.00069340906 (1)

 length of U 331607, length of L 207142

22 Obj 1.1636829e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636829e+08

 length of U 331607, length of L 207142

0 Obj 1.1636829e+08 Primal inf 0.0079776384 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333834 ( 0.0019934102%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.0079776384 (1)

Optimal - objective value 1.1636829e+08

Cbc0031I 1129 added rows had average density of 237.15855

Cbc0013I At root node, 1129 cuts changed objective from 1.1634855e+08 to 1.1636829e+08 in 19 passes

Cbc0014I Cut generator 0 (Probing) - 448 row cuts average 15.5 elements, 0 column cuts (595 active) in 5.080 seconds - new frequency is 1

Cbc0014I Cut generator 1 (Gomory) - 1437 row cuts average 517.1 elements, 0 column cuts (0 active) in 166.231 seconds - new frequency is 1

Cbc0014I Cut generator 2 (Knapsack) - 0 row cuts average 0.0 elements, 0 column cuts (0 active) in 11.689 seconds - new frequency is -100

Cbc0014I Cut generator 3 (Clique) - 0 row cuts average 0.0 elements, 0 column cuts (0 active) in 0.122 seconds - new frequency is -100

Cbc0014I Cut generator 4 (MixedIntegerRounding2) - 617 row cuts average 39.1 elements, 0 column cuts (0 active) in 6.594 seconds - new frequency is 1

Cbc0014I Cut generator 5 (FlowCover) - 9 row cuts average 3.0 elements, 0 column cuts (0 active) in 11.484 seconds - new frequency is -100

Cbc0014I Cut generator 6 (TwoMirCuts) - 1306 row cuts average 127.0 elements, 0 column cuts (0 active) in 146.813 seconds - new frequency is -100

Crunch 363368 (0) rows, 1419524 (0) columns and 4250213 (0) elements

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 329931, length of L 209134

Optimal - objective value 1.1636829e+08

0 Obj 1.1636829e+08 Primal inf 0.13428422 (1)

0 Obj 1.1636829e+08 Primal inf 0.1352066 (1)

0 Obj 1.1636829e+08 Primal inf 0.1415663 (1)

0 Obj 1.1636829e+08 Primal inf 0.14050163 (1)

0 Obj 1.1636829e+08 Primal inf 0.1417039 (1)

0 Obj 1.1636829e+08 Primal inf 0.14036403 (1)

0 Obj 1.1636829e+08 Primal inf 0.14119752 (1)

0 Obj 1.1636829e+08 Primal inf 0.14340124 (1)

0 Obj 1.1636829e+08 Primal inf 0.13516071 (1)

0 Obj 1.1636829e+08 Primal inf 0.13260775 (1)

0 Obj 1.1636829e+08 Primal inf 0.15422533 (1)

0 Obj 1.1636829e+08 Primal inf 0.15080266 (1)

0 Obj 1.1636829e+08 Primal inf 0.30051583 (1)

0 Obj 1.1636829e+08 Primal inf 0.29365681 (1)

0 Obj 1.1636829e+08 Primal inf 0.24875849 (1)

0 Obj 1.1636829e+08 Primal inf 0.24183255 (1)

0 Obj 1.1636829e+08 Primal inf 0.11434742 (1)

0 Obj 1.1636829e+08 Primal inf 0.11094405 (1)

0 Obj 1.1636829e+08 Primal inf 1.0857897 (1)

0 Obj 1.1636829e+08 Primal inf 1.1224636 (1)

0 Obj 1.1636829e+08 Primal inf 0.14935588 (1)

0 Obj 1.1636829e+08 Primal inf 0.15447961 (1)

22 strong, 839 iters, 0 inf, 15 not finished, 925 not trusted

Node 0 depth 0 unsatisfied 925 sum 1.09018e+15 obj 1.16368e+08 guess 1.16368e+08 branching on 1384897

 length of U 329931, length of L 209134

 length of U 329931, length of L 209134

Cbc0010I After 0 nodes, 1 on tree, 1e+50 best solution, best possible 1.1636829e+08 (4358.02 seconds)

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 329931, length of L 209134

0 Obj 1.1636829e+08 Primal inf 0.13260775 (1)

Perturbing problem by 0.001% of 82860.56 - largest nonzero change 0.00033333816 ( 0.0088006859%) - largest zero change 0

0 Obj 1.1636829e+08 Primal inf 0.13260775 (1)

 length of U 330110, length of L 209036

37 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 315638, length of L 203947

0 Obj 1.163488e+08 Primal inf 2251.6389 (1331)

 length of U 317065, length of L 203310

1000 Obj 1.1634991e+08 Primal inf 184284.75 (1619)

 length of U 318192, length of L 202727

2000 Obj 1.1635149e+08 Primal inf 27492.944 (1513)

 length of U 318693, length of L 202163

3000 Obj 1.1635299e+08 Primal inf 8820.5714 (1361)

 length of U 320091, length of L 201184

4000 Obj 1.1635653e+08 Primal inf 24860.807 (1530)

 length of U 322607, length of L 198222

4910 Obj 1.1635811e+08 Primal inf 734785.35 (1976)

 length of U 323691, length of L 196613

5910 Obj 1.1637281e+08 Primal inf 12806.172 (1344)

 length of U 326593, length of L 193545

6910 Obj 1.1638674e+08 Primal inf 8448.3896 (1179)

 length of U 327207, length of L 192201

7910 Obj 1.1639191e+08 Primal inf 8870.4814 (1109)

 length of U 329360, length of L 190077

8910 Obj 1.1639705e+08 Primal inf 10171.837 (1000)

 length of U 331965, length of L 186940

9910 Obj 1.1640061e+08 Primal inf 5992.2953 (767)

 length of U 332226, length of L 186325

10910 Obj 1.164012e+08 Primal inf 2042.5141 (580)

 length of U 335245, length of L 183905

11910 Obj 1.164026e+08 Primal inf 3090842.6 (1437)

 length of U 333026, length of L 186129

12910 Obj 1.1640661e+08 Primal inf 7628935 (1943)

 length of U 333609, length of L 186425

13910 Obj 1.1642267e+08 Primal inf 9900151.2 (2532)

 length of U 334946, length of L 185647

14910 Obj 1.1643139e+08 Primal inf 11048423 (2743)

 length of U 335630, length of L 186001

15910 Obj 1.1644072e+08 Primal inf 15561551 (2883)

 length of U 336133, length of L 185647

16801 Obj 1.1644874e+08 Primal inf 2380777.4 (2579)

 length of U 336302, length of L 186356

17801 Obj 1.1645691e+08 Primal inf 10806242 (3172)

 length of U 336543, length of L 186662

18801 Obj 1.1646236e+08 Primal inf 7297187.2 (3195)

 length of U 336545, length of L 186872

19801 Obj 1.1646594e+08 Primal inf 10407743 (3483)

 length of U 336546, length of L 187021

20801 Obj 1.1647197e+08 Primal inf 92467720 (3960)

 length of U 336421, length of L 187322

21801 Obj 1.1647923e+08 Primal inf 29714110 (4158)

 length of U 341868, length of L 181948

22801 Obj 1.1648397e+08 Primal inf 8593585.4 (3712)

 length of U 344920, length of L 178933

23801 Obj 1.164885e+08 Primal inf 19630775 (3887)

 length of U 348948, length of L 174859

24801 Obj 1.1649127e+08 Primal inf 2711814 (3225)

 length of U 351743, length of L 171576

25801 Obj 1.1649534e+08 Primal inf 595898.95 (2551)

 length of U 352994, length of L 170392

26801 Obj 1.1649683e+08 Primal inf 7812479.4 (3470)

 length of U 357297, length of L 165420

27801 Obj 1.1649905e+08 Primal inf 967981.11 (2681)

 length of U 358277, length of L 163811

28801 Obj 1.1650096e+08 Primal inf 904148.96 (2365)

 length of U 357624, length of L 164830

29801 Obj 1.1650203e+08 Primal inf 1726654 (2618)

 length of U 359030, length of L 162981

30801 Obj 1.1650293e+08 Primal inf 1212276 (2383)

 length of U 359845, length of L 161730

31801 Obj 1.1650364e+08 Primal inf 5969118.6 (2866)

 length of U 360782, length of L 160129

32801 Obj 1.1650434e+08 Primal inf 332561 (2019)

 length of U 361023, length of L 159599

33801 Obj 1.1650465e+08 Primal inf 411202.61 (2169)

 length of U 360415, length of L 159949

34801 Obj 1.1650498e+08 Primal inf 123351.5 (1839)

 length of U 360251, length of L 159849

35801 Obj 1.1650514e+08 Primal inf 63023.383 (1635)

 length of U 360196, length of L 159569

36801 Obj 1.165053e+08 Primal inf 599090.88 (1988)

 length of U 360129, length of L 159166

37801 Obj 1.1650539e+08 Primal inf 104599.07 (1532)

 length of U 359937, length of L 159099

38801 Obj 1.1650555e+08 Primal inf 85919.817 (1469)

 length of U 360389, length of L 158720

39801 Obj 1.1650568e+08 Primal inf 353576.19 (1598)

 length of U 359954, length of L 159409

40801 Obj 1.1650583e+08 Primal inf 109110.02 (1621)

 length of U 360073, length of L 158988

41801 Obj 1.1650593e+08 Primal inf 14629738 (2014)

 length of U 360948, length of L 157899

42801 Obj 1.1650602e+08 Primal inf 167840.73 (1572)

 length of U 360803, length of L 158027

43801 Obj 1.165061e+08 Primal inf 20312.51 (1155)

 length of U 359810, length of L 158136

44801 Obj 1.1650618e+08 Primal inf 4294.9793 (915)

 length of U 359905, length of L 157592

45801 Obj 1.1650623e+08 Primal inf 190.79854 (633)

 length of U 361512, length of L 155745

46801 Obj 1.1650633e+08 Primal inf 0.0023203547 (202)

 length of U 361354, length of L 155701

46994 Obj 1.1650633e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1650633e+08

BFeasible (1.19371e-12) - obj 1.16506e+08 1.16506e+08

Cbc0012I Integer solution of 1.1650633e+08 found by rounding after 20830 iterations and 1 nodes (4784.10 seconds)

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 330167, length of L 209036

0 Obj 1.163683e+08 Primal inf 2.0121663 (12)

Perturbing problem by 0.001% of 82860.56 - largest nonzero change 0.00033333892 ( 0.0093549227%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.0121663 (12)

 length of U 330187, length of L 209106

14 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

14 Obj 1.163683e+08 Dual inf 0.020937888 (1)

 length of U 330179, length of L 209103

17 Obj 1.163683e+08

Looking optimal with tolerance of 1e-07

Optimal - objective value 1.163683e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 330003, length of L 209103

Optimal - objective value 1.163683e+08

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 330117, length of L 209103

0 Obj 1.163683e+08 Primal inf 1.338053 (13)

Perturbing problem by 0.001% of 82860.56 - largest nonzero change 0.00033333871 ( 0.010506043%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.338053 (13)

 length of U 330087, length of L 209193

12 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

12 Obj 1.163683e+08 Dual inf 2.1049672e-05 (6)

 length of U 330061, length of L 209150

17 Obj 1.163683e+08

Looking optimal with tolerance of 1e-07

Optimal - objective value 1.163683e+08

Crunch 363375 (0) rows, 1419524 (0) columns and 4248490 (0) elements

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 329982, length of L 209150

Optimal - objective value 1.163683e+08

0 Obj 1.163683e+08 Primal inf 13.218736 (1)

0 Obj 1.163683e+08 Primal inf 1.4097437 (1)

0 Obj 1.163683e+08 Primal inf 0.16927405 (1)

0 Obj 1.163683e+08 Primal inf 4.3908157 (1)

0 Obj 1.163683e+08 Primal inf 0.0020797012 (1)

0 Obj 1.163683e+08 Primal inf 4.9140563 (1)

0 Obj 1.163683e+08 Primal inf 3.7811071 (1)

0 Obj 1.163683e+08 Primal inf 0.64257524 (1)

0 Obj 1.163683e+08 Primal inf 0.0031746573 (1)

0 Obj 1.163683e+08 Primal inf 7.5934485 (1)

0 Obj 1.163683e+08 Primal inf 0.264602 (1)

0 Obj 1.163683e+08 Primal inf 5.2943651 (1)

0 Obj 1.163683e+08 Primal inf 0.01294191 (1)

0 Obj 1.163683e+08 Primal inf 11.939306 (1)

0 Obj 1.163683e+08 Primal inf 0.0099797823 (1)

0 Obj 1.163683e+08 Primal inf 15.152801 (1)

0 Obj 1.163683e+08 Primal inf 11.04116 (1)

0 Obj 1.163683e+08 Primal inf 0.032317112 (1)

0 Obj 1.163683e+08 Primal inf 3.2944959 (1)

0 Obj 1.163683e+08 Primal inf 1.880245e-06 (1)

0 Obj 1.163683e+08 Primal inf 0.0083607527 (1)

0 Obj 1.163683e+08 Primal inf 4.8101025 (1)

Node 1 depth 1 unsatisfied 919 sum 1.46225e+17 obj 1.16368e+08 guess 1.16368e+08 branching on 1381721

Cbc0015I Node 1 Obj 1.163683e+08 Unsat 919 depth 1

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.002291812 to 436.33596

Range of elements is 0.041901443 to 23.865527

Final range of elements is 0.04857554 to 20.586493

 length of U 330007, length of L 209190

0 Obj 1.163683e+08 Primal inf 4.538024e-07 (2)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0022325198%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 4.538024e-07 (2)

 length of U 330009, length of L 209186

2 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330009, length of L 209186

0 Obj 1.163683e+08 Primal inf 6.3162117e-08 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0022325198%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 6.3162117e-08 (1)

 length of U 330050, length of L 209154

27 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330050, length of L 209154

0 Obj 1.163683e+08 Primal inf 0.00024595881 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00024595881 (1)

 length of U 330022, length of L 209147

12 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330022, length of L 209147

0 Obj 1.163683e+08 Primal inf 0.0001739783 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.0001739783 (1)

 length of U 330021, length of L 209157

2 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330021, length of L 209157

0 Obj 1.163683e+08 Primal inf 4.2537812e-06 (4)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 4.2537812e-06 (4)

 length of U 330087, length of L 209074

5 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330087, length of L 209074

0 Obj 1.163683e+08 Primal inf 2.5930893e-07 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.5930893e-07 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330091, length of L 209069

0 Obj 1.163683e+08 Primal inf 2.6719639e-07 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.6719639e-07 (1)

 length of U 330074, length of L 209046

4 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330074, length of L 209046

0 Obj 1.163683e+08 Primal inf 2.164443e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.164443e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330088, length of L 209027

0 Obj 1.163683e+08 Primal inf 1.2858934e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.2858934e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330089, length of L 209025

0 Obj 1.163683e+08 Primal inf 6.5197263e-07 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 6.5197263e-07 (1)

 length of U 330102, length of L 209043

75 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330102, length of L 209043

0 Obj 1.163683e+08 Primal inf 2.598196e-07 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.598196e-07 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330232, length of L 208994

0 Obj 1.163683e+08 Primal inf 6.9775441e-07 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 6.9775441e-07 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330239, length of L 208975

0 Obj 1.163683e+08 Primal inf 0.00013742437 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00013742437 (1)

 length of U 330217, length of L 208993

34 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330217, length of L 208993

0 Obj 1.163683e+08 Primal inf 1.9570855e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.9570855e-06 (1)

 length of U 330324, length of L 208915

50 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330324, length of L 208915

0 Obj 1.163683e+08 Primal inf 0.00026474022 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00026474022 (1)

 length of U 330335, length of L 208976

49 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330335, length of L 208976

0 Obj 1.163683e+08 Primal inf 0.00026096158 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00026096158 (1)

 length of U 330213, length of L 208999

140 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330213, length of L 208999

0 Obj 1.163683e+08 Primal inf 2.1618344e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.1618344e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330220, length of L 208991

0 Obj 1.163683e+08 Primal inf 9.2028273e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 9.2028273e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330277, length of L 208933

0 Obj 1.163683e+08 Primal inf 1.1536155e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.1536155e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330282, length of L 208934

0 Obj 1.163683e+08 Primal inf 1.9425641e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.9425641e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330332, length of L 208883

0 Obj 1.163683e+08 Primal inf 4.0328694e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 4.0328694e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330391, length of L 208823

0 Obj 1.163683e+08 Primal inf 0.00093493358 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00093493358 (1)

 length of U 330374, length of L 208922

111 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330374, length of L 208922

0 Obj 1.163683e+08 Primal inf 1.6095862e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.6095862e-05 (1)

 length of U 330382, length of L 208879

2 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330382, length of L 208879

0 Obj 1.163683e+08 Primal inf 3.4344344e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 3.4344344e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330490, length of L 208782

0 Obj 1.163683e+08 Primal inf 9.9388906e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 9.9388906e-06 (1)

 length of U 330627, length of L 208624

3 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330627, length of L 208624

0 Obj 1.163683e+08 Primal inf 3.299381e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 3.299381e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330680, length of L 208570

0 Obj 1.163683e+08 Primal inf 1.9482785e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.9482785e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330754, length of L 208499

0 Obj 1.163683e+08 Primal inf 3.4397091e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 3.4397091e-06 (1)

 length of U 330773, length of L 208479

4 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330773, length of L 208479

0 Obj 1.163683e+08 Primal inf 3.7564068e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 3.7564068e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330782, length of L 208467

0 Obj 1.163683e+08 Primal inf 2.3295936e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.3295936e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330818, length of L 208430

0 Obj 1.163683e+08 Primal inf 1.2441182e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.2441182e-05 (1)

 length of U 330828, length of L 208389

5 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330828, length of L 208389

0 Obj 1.163683e+08 Primal inf 2.1491995e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.1491995e-05 (1)

 length of U 330838, length of L 208374

2 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330838, length of L 208374

0 Obj 1.163683e+08 Primal inf 7.3574214e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 7.3574214e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330849, length of L 208363

0 Obj 1.163683e+08 Primal inf 1.6480303e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.6480303e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330973, length of L 208297

0 Obj 1.163683e+08 Primal inf 2.9638399e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.9638399e-06 (1)

 length of U 330949, length of L 208326

4 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330949, length of L 208326

0 Obj 1.163683e+08 Primal inf 7.8057684e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 7.8057684e-06 (1)

 length of U 330968, length of L 208315

2 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330968, length of L 208315

0 Obj 1.163683e+08 Primal inf 2.5779352e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.5779352e-06 (1)

 length of U 330975, length of L 208302

2 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 330975, length of L 208302

0 Obj 1.163683e+08 Primal inf 1.6216267e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.6216267e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331053, length of L 208135

0 Obj 1.163683e+08 Primal inf 3.5883711e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 3.5883711e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331047, length of L 208136

0 Obj 1.163683e+08 Primal inf 9.9006833e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 9.9006833e-06 (1)

 length of U 331051, length of L 208101

7 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331051, length of L 208101

0 Obj 1.163683e+08 Primal inf 1.0024569e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.0024569e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331073, length of L 208080

0 Obj 1.163683e+08 Primal inf 2.5724658e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.5724658e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331077, length of L 208076

0 Obj 1.163683e+08 Primal inf 1.9393474e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.9393474e-06 (1)

 length of U 331113, length of L 208042

2 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331113, length of L 208042

0 Obj 1.163683e+08 Primal inf 6.4611746e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 6.4611746e-06 (1)

 length of U 331121, length of L 208019

3 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331121, length of L 208019

0 Obj 1.163683e+08 Primal inf 4.4138913e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 4.4138913e-06 (1)

 length of U 331195, length of L 208009

4 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331195, length of L 208009

0 Obj 1.163683e+08 Primal inf 1.0808629e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.0808629e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331114, length of L 207995

0 Obj 1.163683e+08 Primal inf 8.4405183e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 8.4405183e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331123, length of L 207982

0 Obj 1.163683e+08 Primal inf 4.5776197e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 4.5776197e-06 (1)

 length of U 331117, length of L 207964

5 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331117, length of L 207964

0 Obj 1.163683e+08 Primal inf 2.7702751e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.7702751e-05 (1)

 length of U 331160, length of L 207922

5 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331160, length of L 207922

0 Obj 1.163683e+08 Primal inf 5.0060415e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 5.0060415e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331200, length of L 207906

0 Obj 1.163683e+08 Primal inf 4.2375694e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 4.2375694e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331233, length of L 207868

0 Obj 1.163683e+08 Primal inf 9.2445239e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 9.2445239e-06 (1)

 length of U 331226, length of L 207857

3 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331226, length of L 207857

0 Obj 1.163683e+08 Primal inf 9.853435e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 9.853435e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331239, length of L 207841

0 Obj 1.163683e+08 Primal inf 2.3394794e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.3394794e-05 (1)

 length of U 331307, length of L 207764

10 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331307, length of L 207764

0 Obj 1.163683e+08 Primal inf 1.3847668e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.3847668e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331318, length of L 207752

0 Obj 1.163683e+08 Primal inf 0.0021052395 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.0021052395 (1)

 length of U 331368, length of L 207982

549 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331368, length of L 207982

0 Obj 1.163683e+08 Primal inf 1.8758608e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.8758608e-05 (1)

 length of U 331448, length of L 207815

11 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331448, length of L 207815

0 Obj 1.163683e+08 Primal inf 2.5494338e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.5494338e-05 (1)

 length of U 331289, length of L 207822

3 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331289, length of L 207822

0 Obj 1.163683e+08 Primal inf 7.5439595e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 7.5439595e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331347, length of L 207763

0 Obj 1.163683e+08 Primal inf 5.5260228e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 5.5260228e-05 (1)

 length of U 331337, length of L 207731

11 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331337, length of L 207731

0 Obj 1.163683e+08 Primal inf 1.9952473e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.9952473e-05 (1)

 length of U 331396, length of L 207699

12 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331396, length of L 207699

0 Obj 1.163683e+08 Primal inf 9.689227e-06 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 9.689227e-06 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331411, length of L 207682

0 Obj 1.163683e+08 Primal inf 2.3823812e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.3823812e-05 (1)

 length of U 331449, length of L 207651

18 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331449, length of L 207651

0 Obj 1.163683e+08 Primal inf 1.985985e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.985985e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331482, length of L 207618

0 Obj 1.163683e+08 Primal inf 1.3397998e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.3397998e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331503, length of L 207584

0 Obj 1.163683e+08 Primal inf 0.00019932327 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00019932327 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331497, length of L 207582

0 Obj 1.163683e+08 Primal inf 8.6459088e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 8.6459088e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331728, length of L 207386

0 Obj 1.163683e+08 Primal inf 1.0736285e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.0736285e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331751, length of L 207362

0 Obj 1.163683e+08 Primal inf 5.5708941e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 5.5708941e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331758, length of L 207354

0 Obj 1.163683e+08 Primal inf 2.2993865e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.2993865e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331758, length of L 207348

0 Obj 1.163683e+08 Primal inf 1.744465e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 1.744465e-05 (1)

 length of U 331806, length of L 207300

3 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331806, length of L 207300

0 Obj 1.163683e+08 Primal inf 4.6208443e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 4.6208443e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331958, length of L 207148

0 Obj 1.163683e+08 Primal inf 4.3826213e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 4.3826213e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331999, length of L 207139

0 Obj 1.163683e+08 Primal inf 5.6691563e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 5.6691563e-05 (1)

 length of U 332010, length of L 207135

2 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 332010, length of L 207135

0 Obj 1.163683e+08 Primal inf 3.255127e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 3.255127e-05 (1)

 length of U 331981, length of L 207131

7 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331981, length of L 207131

0 Obj 1.163683e+08 Primal inf 0.00013488749 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00013488749 (1)

 length of U 332007, length of L 207108

7 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 332007, length of L 207108

0 Obj 1.163683e+08 Primal inf 0.00012238973 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00012238973 (1)

 length of U 332089, length of L 207116

4 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 332089, length of L 207116

0 Obj 1.163683e+08 Primal inf 0.00023354665 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00023354665 (1)

 length of U 332029, length of L 207094

6 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 332029, length of L 207094

0 Obj 1.163683e+08 Primal inf 0.00016478741 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00016478741 (1)

 length of U 331978, length of L 207101

3 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331978, length of L 207101

0 Obj 1.163683e+08 Primal inf 3.0331333e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 3.0331333e-05 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331978, length of L 207098

0 Obj 1.163683e+08 Primal inf 0.00014564137 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00014564137 (1)

 length of U 331866, length of L 207183

2 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331866, length of L 207183

0 Obj 1.163683e+08 Primal inf 2.1851574e-05 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 2.1851574e-05 (1)

 length of U 331864, length of L 207153

7 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331864, length of L 207153

0 Obj 1.163683e+08 Primal inf 0.00015288829 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00015288829 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331864, length of L 207153

0 Obj 1.163683e+08 Primal inf 0.0001686066 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.0001686066 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331870, length of L 207149

0 Obj 1.163683e+08 Primal inf 0.00028887181 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00028887181 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331870, length of L 207136

0 Obj 1.163683e+08 Primal inf 0.00025248116 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00025248116 (1)

 length of U 331833, length of L 206987

48 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331833, length of L 206987

0 Obj 1.163683e+08 Primal inf 0.00021981634 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00021981634 (1)

 length of U 331789, length of L 206985

2 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331789, length of L 206985

0 Obj 1.163683e+08 Primal inf 0.00041594748 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00041594748 (1)

 length of U 331867, length of L 207001

5 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331867, length of L 207001

0 Obj 1.163683e+08 Primal inf 0.0004267734 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.0004267734 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331851, length of L 207009

0 Obj 1.163683e+08 Primal inf 0.0021755514 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.0021755514 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331887, length of L 207003

0 Obj 1.163683e+08 Primal inf 0.00077678432 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00077678432 (1)

 length of U 331890, length of L 206992

4 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331890, length of L 206992

0 Obj 1.163683e+08 Primal inf 0.000895408 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.000895408 (1)

 length of U 331959, length of L 206981

5 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331959, length of L 206981

0 Obj 1.163683e+08 Primal inf 0.00059712559 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00059712559 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331961, length of L 206984

0 Obj 1.163683e+08 Primal inf 0.0017649557 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.0017649557 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331693, length of L 206955

0 Obj 1.163683e+08 Primal inf 0.00071039901 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00071039901 (1)

 length of U 331683, length of L 206954

2 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331683, length of L 206954

0 Obj 1.163683e+08 Primal inf 0.0079776384 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.0079776384 (1)

 length of U 331619, length of L 206925

3 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331619, length of L 206925

0 Obj 1.163683e+08 Primal inf 0.0015448518 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.0015448518 (1)

 length of U 331646, length of L 206881

6 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331646, length of L 206881

0 Obj 1.163683e+08 Primal inf 0.0010153605 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.0010153605 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331674, length of L 206885

0 Obj 1.163683e+08 Primal inf 0.00083463614 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.00083463614 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331668, length of L 206887

0 Obj 1.163683e+08 Primal inf 0.006557612 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.006557612 (1)

 length of U 331777, length of L 206739

4 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

 length of U 331777, length of L 206739

0 Obj 1.163683e+08 Primal inf 0.0050678268 (1)

Perturbing problem by 0.001% of 107930.28 - largest nonzero change 0.00033333865 ( 0.0020175516%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.0050678268 (1)

1 Obj 1.163683e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.163683e+08

Coin0506I Presolve 24898 (-337341) rows, 49136 (-1370388) columns and 158273 (-3824188) elements

Cgl0009I 47 elements changed

 length of U 4187, length of L 19839

Cgl0009I 5 elements changed

Cgl0004I processed model has 11491 rows, 27677 columns (922 integer (248 of which binary)) and 88826 elements

Cbc0038I Full problem 362239 rows 1419524 columns, reduced to 11491 rows 27677 columns

 length of U 4187, length of L 19839

 length of U 4187, length of L 19839

Cbc0028I Starting sub-tree for CbcHeuristicRINS - maximum nodes 200

 length of U 4187, length of L 19839

Cbc0045I Heuristic rounding took 0 seconds (no good)

Cbc0019I Exiting on maximum solutions

Cbc0005I Partial search - best objective 1e+50 (best possible 1.163598e+08), took 0 iterations and 0 nodes (4937.11 seconds)

Cbc0035I Maximum depth 0, 0 variables fixed on reduced cost

 length of U 4187, length of L 19839

 length of U 6234, length of L 19136

 length of U 7034, length of L 18436

 length of U 7587, length of L 17944

 length of U 8818, length of L 16803

 length of U 9138, length of L 16063

 length of U 9322, length of L 15776

 length of U 10748, length of L 14665

 length of U 10712, length of L 14435

 length of U 10668, length of L 14390

Cbc0029I Ending sub-tree for CbcHeuristicRINS

 length of U 315638, length of L 203947

0 Obj 1.163488e+08 Primal inf 2250.6389 (1330)

 length of U 317065, length of L 203310

1000 Obj 1.1634991e+08 Primal inf 184283.75 (1618)

 length of U 318192, length of L 202727

2000 Obj 1.1635149e+08 Primal inf 27491.944 (1512)

 length of U 318693, length of L 202163

3000 Obj 1.1635299e+08 Primal inf 8819.5714 (1360)

 length of U 319699, length of L 201138

4000 Obj 1.1635752e+08 Primal inf 13321.421 (1506)

 length of U 322920, length of L 197988

5000 Obj 1.1636623e+08 Primal inf 48496.297 (1504)

 length of U 324653, length of L 195982

6000 Obj 1.1637563e+08 Primal inf 188985.82 (1622)

 length of U 326169, length of L 194147

7000 Obj 1.1638535e+08 Primal inf 61345.506 (1243)

 length of U 326593, length of L 193317

8000 Obj 1.1638902e+08 Primal inf 130913.21 (1172)

 length of U 328345, length of L 191564

9000 Obj 1.1639545e+08 Primal inf 183460.17 (1289)

 length of U 331625, length of L 187819

10000 Obj 1.1640032e+08 Primal inf 8333.3772 (863)

 length of U 332307, length of L 186657

11000 Obj 1.1640084e+08 Primal inf 108374.94 (937)

 length of U 332870, length of L 185943

12000 Obj 1.1640154e+08 Primal inf 1595.4858 (582)

 length of U 334761, length of L 183861

13000 Obj 1.1640172e+08 Primal inf 666.32247 (454)

 length of U 334709, length of L 184273

14000 Obj 1.1640783e+08 Primal inf 66730618 (1893)

 length of U 335028, length of L 184658

15000 Obj 1.1641974e+08 Primal inf 1.239688e+08 (2269)

 length of U 334695, length of L 185034

16000 Obj 1.1642538e+08 Primal inf 5222565.2 (1908)

 length of U 334502, length of L 185863

17000 Obj 1.1643898e+08 Primal inf 4629265.3 (2334)

 length of U 334014, length of L 187014

18000 Obj 1.1644556e+08 Primal inf 3521686.5 (2425)

 length of U 332642, length of L 188873

19000 Obj 1.1645518e+08 Primal inf 6427935.4 (2804)

 length of U 335874, length of L 186978

20000 Obj 1.1646655e+08 Primal inf 9155035.9 (3381)

 length of U 335455, length of L 187755

21000 Obj 1.1647814e+08 Primal inf 14492447 (3522)

 length of U 334455, length of L 188968

22000 Obj 1.16484e+08 Primal inf 8308408.6 (3564)

 length of U 339131, length of L 184762

23000 Obj 1.1648946e+08 Primal inf 4921706.2 (3438)

 length of U 345380, length of L 177854

24000 Obj 1.1649254e+08 Primal inf 5253989.6 (3356)

 length of U 351910, length of L 171498

25000 Obj 1.164966e+08 Primal inf 3836627.8 (3123)

 length of U 351070, length of L 171671

26000 Obj 1.164984e+08 Primal inf 1306892.7 (2789)

 length of U 353058, length of L 169610

27000 Obj 1.1649964e+08 Primal inf 1059894.5 (2800)

 length of U 353134, length of L 169117

28000 Obj 1.1650068e+08 Primal inf 438925.17 (2598)

 length of U 355932, length of L 165950

29000 Obj 1.1650264e+08 Primal inf 9058781 (3216)

 length of U 358689, length of L 162487

30000 Obj 1.1650336e+08 Primal inf 269238.08 (2261)

 length of U 358514, length of L 162469

31000 Obj 1.1650419e+08 Primal inf 80012.185 (1918)

 length of U 358315, length of L 162006

32000 Obj 1.1650457e+08 Primal inf 365675.28 (2026)

 length of U 358353, length of L 161697

33000 Obj 1.1650477e+08 Primal inf 246161.13 (1967)

 length of U 358184, length of L 160877

34000 Obj 1.1650517e+08 Primal inf 83425.71 (1560)

 length of U 359370, length of L 160040

35000 Obj 1.1650542e+08 Primal inf 363865.78 (1815)

 length of U 359238, length of L 159659

36000 Obj 1.1650573e+08 Primal inf 458659 (1662)

 length of U 359677, length of L 159077

37000 Obj 1.1650582e+08 Primal inf 143124.52 (1555)

 length of U 359840, length of L 158060

37903 Obj 1.1650597e+08 Primal inf 48320.793 (1330)

 length of U 359748, length of L 158191

38903 Obj 1.1650613e+08 Primal inf 41108.09 (1157)

 length of U 359377, length of L 157847

39903 Obj 1.1650618e+08 Primal inf 1519.5668 (801)

 length of U 361590, length of L 155938

40903 Obj 1.1650628e+08 Primal inf 108.40195 (539)

 length of U 361311, length of L 155654

41604 Obj 1.1650631e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1650631e+08

BFeasible (4.54747e-13) - obj 1.16506e+08 1.16506e+08

Cbc0012I Integer solution of 1.1650631e+08 found by RINS after 20864 iterations and 1 nodes (5401.80 seconds)

Initial range of elements is 1.1457367e-06 to 10000

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 329982, length of L 209150

0 Obj 1.163683e+08 Primal inf 0.096369704 (1)

Perturbing problem by 0.001% of 82860.56 - largest nonzero change 0.00033333876 ( 0.0094175091%) - largest zero change 0

0 Obj 1.163683e+08 Primal inf 0.096369704 (1)

 length of U 330257, length of L 209340

348 Obj 1.1636846e+08 Primal inf 9425761.3 (1938)

 length of U 330693, length of L 208942

685 Obj 1.1636868e+08 Primal inf 57421.621 (1353)

 length of U 331140, length of L 208979

1685 Obj 1.1636888e+08 Primal inf 168277.9 (1901)

 length of U 331642, length of L 208234

2685 Obj 1.1636911e+08 Primal inf 35546.383 (1809)

 length of U 331696, length of L 207885

3685 Obj 1.1636926e+08 Primal inf 36323.403 (1614)

 length of U 331604, length of L 207165

4685 Obj 1.1636943e+08 Primal inf 154856.26 (1790)

 length of U 332106, length of L 206640

5259 Obj 1.1636955e+08 Primal inf 17884.638 (1271)

 length of U 332144, length of L 207203

6259 Obj 1.1636967e+08 Primal inf 546.0068 (796)

 length of U 332231, length of L 207341

7259 Obj 1.163697e+08 Primal inf 2627.5833 (1014)

 length of U 332582, length of L 207207

8259 Obj 1.1636978e+08 Primal inf 841.13914 (601)

 length of U 332722, length of L 206668

9259 Obj 1.1636981e+08 Primal inf 4566.7275 (569)

 length of U 332870, length of L 206331

10259 Obj 1.1636981e+08 Primal inf 1.1579092e-05 (63)

 length of U 332728, length of L 206292

10317 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 315638, length of L 203947

0 Obj 1.1634882e+08 Primal inf 2997.0008 (1318)

 length of U 317204, length of L 202587

1000 Obj 1.1634979e+08 Primal inf 302220.5 (1727)

 length of U 317744, length of L 202223

2000 Obj 1.1635135e+08 Primal inf 94333.572 (1792)

 length of U 318310, length of L 201234

3000 Obj 1.163533e+08 Primal inf 52288.96 (1539)

 length of U 319084, length of L 200590

4000 Obj 1.1635394e+08 Primal inf 72707.058 (1600)

 length of U 320237, length of L 199151

5000 Obj 1.1635578e+08 Primal inf 2194620.3 (2195)

 length of U 321609, length of L 197764

6000 Obj 1.1636732e+08 Primal inf 308888.16 (1771)

 length of U 322515, length of L 197025

7000 Obj 1.1637186e+08 Primal inf 14197.381 (1438)

 length of U 324338, length of L 194402

8000 Obj 1.1638474e+08 Primal inf 8526.2434 (1211)

 length of U 326016, length of L 192899

9000 Obj 1.1639356e+08 Primal inf 18966.95 (1059)

 length of U 329409, length of L 189473

10000 Obj 1.1639886e+08 Primal inf 2573.5044 (885)

 length of U 331019, length of L 187578

11000 Obj 1.1640138e+08 Primal inf 3279.8198 (721)

 length of U 331421, length of L 186221

12000 Obj 1.1640235e+08 Primal inf 3543.5373 (677)

 length of U 331829, length of L 185122

13000 Obj 1.1640267e+08 Primal inf 10550.391 (720)

 length of U 332572, length of L 184389

14000 Obj 1.1640269e+08 Primal inf 6689.4633 (682)

 length of U 333386, length of L 183615

15000 Obj 1.1640294e+08 Primal inf 7894.6373 (547)

 length of U 334677, length of L 181949

16000 Obj 1.1640331e+08 Primal inf 871.26629 (400)

 length of U 334935, length of L 181558

17000 Obj 1.1640353e+08 Primal inf 5907.0869 (340)

 length of U 334426, length of L 182228

18000 Obj 1.1640353e+08 Primal inf 4926.1531 (338)

 length of U 334588, length of L 183303

19000 Obj 1.1640354e+08 Primal inf 1452.8959 (283)

 length of U 334633, length of L 184299

20000 Obj 1.1640356e+08 Primal inf 0.0034398366 (149)

 length of U 334562, length of L 184168

20141 Obj 1.1640356e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1640356e+08

BFeasible (5.74418e-13) - obj 1.16404e+08 1.16404e+08

Cbc0012I Integer solution of 1.1640356e+08 found by rounding after 31181 iterations and 2 nodes (5820.60 seconds)

 length of U 332728, length of L 206292

0 Obj 1.1636981e+08 Primal inf 2.9700655e-07 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.0015823755%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 2.9700655e-07 (1)

 length of U 332766, length of L 206276

4 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332766, length of L 206276

0 Obj 1.1636981e+08 Primal inf 2.0384491e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.0015823755%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 2.0384491e-06 (1)

 length of U 332769, length of L 206268

4 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332769, length of L 206268

0 Obj 1.1636981e+08 Primal inf 1.3879432e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.0015823755%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.3879432e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332779, length of L 206257

0 Obj 1.1636981e+08 Primal inf 1.7854664e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.0015823755%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.7854664e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332798, length of L 206237

0 Obj 1.1636981e+08 Primal inf 3.2062459e-06 (3)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 3.2062459e-06 (3)

 length of U 332785, length of L 206227

7 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332785, length of L 206227

0 Obj 1.1636981e+08 Primal inf 1.1848263e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.1848263e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332786, length of L 206225

0 Obj 1.1636981e+08 Primal inf 4.5431895e-07 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 4.5431895e-07 (1)

 length of U 332834, length of L 206236

62 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332834, length of L 206236

0 Obj 1.1636981e+08 Primal inf 3.8274048e-07 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 3.8274048e-07 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332783, length of L 206255

0 Obj 1.1636981e+08 Primal inf 0.00012738857 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00012738857 (1)

 length of U 332783, length of L 206270

31 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332783, length of L 206270

0 Obj 1.1636981e+08 Primal inf 1.8070713e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.8070713e-06 (1)

 length of U 332816, length of L 206155

12 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332816, length of L 206155

0 Obj 1.1636981e+08 Primal inf 0.00023874364 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00023874364 (1)

 length of U 332745, length of L 206178

52 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332745, length of L 206178

0 Obj 1.1636981e+08 Primal inf 0.00021893064 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00021893064 (1)

 length of U 332775, length of L 206248

169 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332775, length of L 206248

0 Obj 1.1636981e+08 Primal inf 0.0005145094 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0005145094 (1)

 length of U 332842, length of L 206693

533 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332842, length of L 206693

0 Obj 1.1636981e+08 Primal inf 6.8144319e-07 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 6.8144319e-07 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332851, length of L 206674

0 Obj 1.1636981e+08 Primal inf 1.7198302e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.7198302e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332856, length of L 206666

0 Obj 1.1636981e+08 Primal inf 9.9784944e-07 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 9.9784944e-07 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332907, length of L 206609

0 Obj 1.1636981e+08 Primal inf 1.7936089e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.7936089e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332953, length of L 206562

0 Obj 1.1636981e+08 Primal inf 2.2180181e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 2.2180181e-06 (1)

 length of U 333015, length of L 206499

2 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333015, length of L 206499

0 Obj 1.1636981e+08 Primal inf 8.9460908e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 8.9460908e-06 (1)

 length of U 332952, length of L 206506

2 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332952, length of L 206506

0 Obj 1.1636981e+08 Primal inf 3.1766837e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 3.1766837e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333072, length of L 206406

0 Obj 1.1636981e+08 Primal inf 0.0015301567 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0015301567 (1)

 length of U 333115, length of L 206307

153 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333115, length of L 206307

0 Obj 1.1636981e+08 Primal inf 3.0514792e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 3.0514792e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333167, length of L 206255

0 Obj 1.1636981e+08 Primal inf 1.4746467e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.4746467e-05 (1)

 length of U 332960, length of L 206284

4 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 332960, length of L 206284

0 Obj 1.1636981e+08 Primal inf 2.0613626e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 2.0613626e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333022, length of L 206218

0 Obj 1.1636981e+08 Primal inf 2.2486526e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 2.2486526e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333034, length of L 206204

0 Obj 1.1636981e+08 Primal inf 4.2315346e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 4.2315346e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333032, length of L 206195

0 Obj 1.1636981e+08 Primal inf 6.5687407e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 6.5687407e-06 (1)

 length of U 333046, length of L 206186

7 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333046, length of L 206186

0 Obj 1.1636981e+08 Primal inf 7.9505077e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 7.9505077e-06 (1)

 length of U 333062, length of L 206200

9 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333062, length of L 206200

0 Obj 1.1636981e+08 Primal inf 6.045839e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 6.045839e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333075, length of L 206186

0 Obj 1.1636981e+08 Primal inf 1.5105065e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.5105065e-05 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333132, length of L 206127

0 Obj 1.1636981e+08 Primal inf 2.7404077e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 2.7404077e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333121, length of L 206125

0 Obj 1.1636981e+08 Primal inf 2.3826453e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 2.3826453e-06 (1)

 length of U 333134, length of L 206107

2 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333134, length of L 206107

0 Obj 1.1636981e+08 Primal inf 2.3775747e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 2.3775747e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333137, length of L 206106

0 Obj 1.1636981e+08 Primal inf 3.7911493e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 3.7911493e-06 (1)

 length of U 333131, length of L 206080

2 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333131, length of L 206080

0 Obj 1.1636981e+08 Primal inf 1.0013111e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.0013111e-05 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333195, length of L 206004

0 Obj 1.1636981e+08 Primal inf 1.185508e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.185508e-05 (1)

 length of U 333195, length of L 206000

5 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333195, length of L 206000

0 Obj 1.1636981e+08 Primal inf 4.6336805e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 4.6336805e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333202, length of L 205991

0 Obj 1.1636981e+08 Primal inf 8.8225114e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 8.8225114e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333194, length of L 205993

0 Obj 1.1636981e+08 Primal inf 5.9476926e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 5.9476926e-06 (1)

 length of U 333198, length of L 205969

2 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333198, length of L 205969

0 Obj 1.1636981e+08 Primal inf 1.6752211e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.6752211e-05 (1)

 length of U 333235, length of L 205915

10 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333235, length of L 205915

0 Obj 1.1636981e+08 Primal inf 3.5200654e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 3.5200654e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333228, length of L 205908

0 Obj 1.1636981e+08 Primal inf 6.8913633e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 6.8913633e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333263, length of L 205831

0 Obj 1.1636981e+08 Primal inf 1.0126173e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.0126173e-05 (1)

 length of U 333295, length of L 205798

5 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333295, length of L 205798

0 Obj 1.1636981e+08 Primal inf 6.9865194e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 6.9865194e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333353, length of L 205739

0 Obj 1.1636981e+08 Primal inf 2.0808229e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 2.0808229e-05 (1)

 length of U 333348, length of L 205746

16 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333348, length of L 205746

0 Obj 1.1636981e+08 Primal inf 7.6767073e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 7.6767073e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333374, length of L 205719

0 Obj 1.1636981e+08 Primal inf 6.6862669e-06 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 6.6862669e-06 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333410, length of L 205736

0 Obj 1.1636981e+08 Primal inf 1.7950044e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.7950044e-05 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333338, length of L 205735

0 Obj 1.1636981e+08 Primal inf 5.47905e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 5.47905e-05 (1)

 length of U 333395, length of L 205644

26 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333395, length of L 205644

0 Obj 1.1636981e+08 Primal inf 3.786651e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 3.786651e-05 (1)

 length of U 333406, length of L 205623

2 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333406, length of L 205623

0 Obj 1.1636981e+08 Primal inf 1.9846354e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.9846354e-05 (1)

 length of U 333395, length of L 205579

2 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333395, length of L 205579

0 Obj 1.1636981e+08 Primal inf 1.1100403e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.1100403e-05 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333401, length of L 205572

0 Obj 1.1636981e+08 Primal inf 1.8737889e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.8737889e-05 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333399, length of L 205564

0 Obj 1.1636981e+08 Primal inf 1.5849104e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.5849104e-05 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333434, length of L 205526

0 Obj 1.1636981e+08 Primal inf 4.0622868e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 4.0622868e-05 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333399, length of L 205514

0 Obj 1.1636981e+08 Primal inf 5.2180587e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 5.2180587e-05 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333461, length of L 205459

0 Obj 1.1636981e+08 Primal inf 0.00015045616 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00015045616 (1)

 length of U 333467, length of L 205456

5 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333467, length of L 205456

0 Obj 1.1636981e+08 Primal inf 0.00014648314 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00014648314 (1)

 length of U 333477, length of L 205438

9 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333477, length of L 205438

0 Obj 1.1636981e+08 Primal inf 0.00026779837 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00026779837 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333458, length of L 205449

0 Obj 1.1636981e+08 Primal inf 0.00030659068 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00030659068 (1)

 length of U 333464, length of L 205469

5 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333464, length of L 205469

0 Obj 1.1636981e+08 Primal inf 0.00078577715 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00078577715 (1)

 length of U 333395, length of L 205462

3 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333395, length of L 205462

0 Obj 1.1636981e+08 Primal inf 0.00053060508 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00053060508 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333397, length of L 205446

0 Obj 1.1636981e+08 Primal inf 0.00031332957 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00031332957 (1)

 length of U 333348, length of L 205403

4 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333348, length of L 205403

0 Obj 1.1636981e+08 Primal inf 0.00058259184 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00058259184 (1)

 length of U 333510, length of L 205269

12 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333510, length of L 205269

0 Obj 1.1636981e+08 Primal inf 0.00039564341 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00039564341 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333520, length of L 205256

0 Obj 1.1636981e+08 Primal inf 0.00058152339 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00058152339 (1)

 length of U 333417, length of L 205306

4 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333417, length of L 205306

0 Obj 1.1636981e+08 Primal inf 0.00054644026 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00054644026 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333412, length of L 205320

0 Obj 1.1636981e+08 Primal inf 0.00055357257 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00055357257 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333414, length of L 205323

0 Obj 1.1636981e+08 Primal inf 0.0031584892 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0031584892 (1)

 length of U 333416, length of L 205325

5 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333416, length of L 205325

0 Obj 1.1636981e+08 Primal inf 0.0010852017 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0010852017 (1)

 length of U 333417, length of L 205318

10 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333417, length of L 205318

0 Obj 1.1636981e+08 Primal inf 0.0009417255 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0009417255 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333398, length of L 205312

0 Obj 1.1636981e+08 Primal inf 0.00014020935 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00014020935 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333398, length of L 205312

0 Obj 1.1636981e+08 Primal inf 0.001073857 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.001073857 (1)

 length of U 333410, length of L 205272

2 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333410, length of L 205272

0 Obj 1.1636981e+08 Primal inf 0.00074047952 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00074047952 (1)

 length of U 333377, length of L 205293

2 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333377, length of L 205293

0 Obj 1.1636981e+08 Primal inf 0.00088767342 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00088767342 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333376, length of L 205293

0 Obj 1.1636981e+08 Primal inf 0.0014777146 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0014777146 (1)

 length of U 333437, length of L 205262

3 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333437, length of L 205262

0 Obj 1.1636981e+08 Primal inf 0.0014118913 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0014118913 (1)

 length of U 333372, length of L 205259

6 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333372, length of L 205259

0 Obj 1.1636981e+08 Primal inf 0.0018255679 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0018255679 (1)

 length of U 333468, length of L 205146

12 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333468, length of L 205146

0 Obj 1.1636981e+08 Primal inf 0.001539135 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.001539135 (1)

 length of U 333483, length of L 205159

10 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333483, length of L 205159

0 Obj 1.1636981e+08 Primal inf 0.0015501676 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0015501676 (1)

 length of U 333468, length of L 205122

18 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333468, length of L 205122

0 Obj 1.1636981e+08 Primal inf 0.0022295969 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0022295969 (1)

 length of U 333412, length of L 205074

66 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333412, length of L 205074

0 Obj 1.1636981e+08 Primal inf 0.0028201892 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0028201892 (1)

 length of U 333361, length of L 205046

12 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333361, length of L 205046

0 Obj 1.1636981e+08 Primal inf 0.0020227861 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0020227861 (1)

 length of U 333377, length of L 204946

9 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333377, length of L 204946

0 Obj 1.1636981e+08 Primal inf 0.0014396892 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0014396892 (1)

 length of U 333413, length of L 205011

57 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333413, length of L 205011

0 Obj 1.1636981e+08 Primal inf 0.00098898214 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00098898214 (1)

1 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333414, length of L 205012

0 Obj 1.1636981e+08 Primal inf 0.0021490093 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0021490093 (1)

 length of U 333424, length of L 205017

3 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333424, length of L 205017

0 Obj 1.1636981e+08 Primal inf 0.0034532266 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0034532266 (1)

 length of U 333460, length of L 204991

18 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333460, length of L 204991

0 Obj 1.1636981e+08 Primal inf 0.0023403599 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0023403599 (1)

 length of U 333471, length of L 204990

4 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333471, length of L 204990

0 Obj 1.1636981e+08 Primal inf 0.0042699319 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0042699319 (1)

 length of U 333470, length of L 205001

6 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333470, length of L 205001

0 Obj 1.1636981e+08 Primal inf 0.0047853764 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0047853764 (1)

 length of U 333503, length of L 205030

4 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333503, length of L 205030

0 Obj 1.1636981e+08 Primal inf 0.0076863538 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0076863538 (1)

 length of U 333527, length of L 205076

60 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333527, length of L 205076

0 Obj 1.1636981e+08 Primal inf 0.0028301782 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0028301782 (1)

 length of U 333536, length of L 205067

3 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333536, length of L 205067

0 Obj 1.1636981e+08 Primal inf 0.00395108 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00395108 (1)

 length of U 333552, length of L 205039

3 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333552, length of L 205039

0 Obj 1.1636981e+08 Primal inf 0.0028189492 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0028189492 (1)

 length of U 333496, length of L 205048

10 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333496, length of L 205048

0 Obj 1.1636981e+08 Primal inf 1.7383333e-05 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 1.7383333e-05 (1)

 length of U 333614, length of L 204833

13 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333614, length of L 204833

0 Obj 1.1636981e+08 Primal inf 0.0055954752 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0055954752 (1)

 length of U 333623, length of L 204877

9 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333623, length of L 204877

0 Obj 1.1636981e+08 Primal inf 0.0045912215 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0045912215 (1)

 length of U 333635, length of L 204813

17 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333635, length of L 204813

0 Obj 1.1636981e+08 Primal inf 0.0079966544 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0079966544 (1)

 length of U 333592, length of L 204828

28 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333592, length of L 204828

0 Obj 1.1636981e+08 Primal inf 0.00091744875 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.00091744875 (1)

 length of U 333643, length of L 204837

27 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333643, length of L 204837

0 Obj 1.1636981e+08 Primal inf 0.005453589 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.005453589 (1)

 length of U 333615, length of L 205014

19 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

 length of U 333615, length of L 205014

0 Obj 1.1636981e+08 Primal inf 0.0022817625 (1)

Perturbing problem by 0.001% of 138087.19 - largest nonzero change 0.00014829347 ( 0.00081386255%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 0.0022817625 (1)

 length of U 333620, length of L 204914

7 Obj 1.1636981e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636981e+08

Initial range of elements is 1.1457367e-06 to 7560

Range of elements is 0.00066299751 to 1508.3013

Range of elements is 0.030483939 to 32.80416

Final range of elements is 0.045033141 to 22.205868

 length of U 332835, length of L 206343

0 Obj 1.1636981e+08 Primal inf 124.70052 (52)

Perturbing problem by 0.001% of 82860.56 - largest nonzero change 0.0003333389 ( 0.0099731338%) - largest zero change 0

0 Obj 1.1636981e+08 Primal inf 124.70052 (52)

 length of U 333283, length of L 206434

1000 Obj 1.1636992e+08 Primal inf 0.074635943 (64)

 length of U 333320, length of L 206230

1120 Obj 1.1636992e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1636992e+08

Cbc0014I Cut generator 0 (Probing) - 488 row cuts average 15.7 elements, 0 column cuts (595 active)

Cbc0014I Cut generator 1 (Gomory) - 1439 row cuts average 516.4 elements, 0 column cuts (0 active)

Cbc0014I Cut generator 4 (MixedIntegerRounding2) - 663 row cuts average 39.9 elements, 0 column cuts (0 active)

Cbc0020I Exiting on maximum time

Cbc0005I Partial search - best objective 1.1640356e+08 (best possible 1.1636829e+08), took 32301 iterations and 2 nodes (5935.69 seconds)

Cbc0032I Strong branching done 44 times (2214 iterations), fathomed 0 nodes and fixed 0 variables

Cbc0035I Maximum depth 1, 0 variables fixed on reduced cost

 length of U 315638, length of L 203947

0 Obj 1.1634882e+08 Primal inf 2997.0008 (1318)

 length of U 317205, length of L 202588

1000 Obj 1.1634979e+08 Primal inf 302220.5 (1727)

 length of U 317746, length of L 202228

2000 Obj 1.1635135e+08 Primal inf 94333.572 (1792)

 length of U 318204, length of L 201165

3000 Obj 1.1635326e+08 Primal inf 59340.322 (1592)

 length of U 318682, length of L 200461

4000 Obj 1.1635402e+08 Primal inf 42160.434 (1510)

 length of U 319485, length of L 199497

5000 Obj 1.1635473e+08 Primal inf 242128.71 (1740)

 length of U 321395, length of L 197596

6000 Obj 1.1635511e+08 Primal inf 62605.251 (1623)

 length of U 321731, length of L 196813

6927 Obj 1.1635589e+08 Primal inf 20777.863 (1346)

 length of U 321417, length of L 197431

7927 Obj 1.1636315e+08 Primal inf 10107.902 (1378)

 length of U 324150, length of L 194694

8927 Obj 1.1638458e+08 Primal inf 9166.2637 (1226)

 length of U 326418, length of L 192607

9927 Obj 1.1639247e+08 Primal inf 15080.623 (1110)

 length of U 328260, length of L 190319

10927 Obj 1.1639938e+08 Primal inf 5481.7056 (922)

 length of U 330697, length of L 187321

11927 Obj 1.1640127e+08 Primal inf 3578.8986 (795)

 length of U 330463, length of L 186851

12927 Obj 1.1640221e+08 Primal inf 2514.057 (716)

 length of U 332189, length of L 184950

13927 Obj 1.1640304e+08 Primal inf 3478.5474 (555)

 length of U 334649, length of L 182571

14927 Obj 1.1640332e+08 Primal inf 379.48622 (364)

 length of U 335042, length of L 182130

15927 Obj 1.1640352e+08 Primal inf 11029.789 (368)

 length of U 336146, length of L 182744

16927 Obj 1.1640355e+08 Primal inf 1105.0657 (287)

 length of U 335339, length of L 184285

17927 Obj 1.1640356e+08 Primal inf 0.0031007632 (158)

 length of U 335250, length of L 184211

18060 Obj 1.1640356e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1640356e+08

BFeasible (9.09495e-13) - obj 1.16404e+08 1.16404e+08

Initial range of elements is 0.72122971 to 10000

Range of elements is 0.01 to 100

Range of elements is 0.30162985 to 3.3153218

Final range of elements is 0.30785406 to 3.2482924

 length of U 314795, length of L 204764

0 Obj 1.1634882e+08 Primal inf 2724.1576 (1318)

Perturbing problem by 0.001% of 102720.03 - largest nonzero change 0.00033333859 ( 0.0018994416%) - largest zero change 0

0 Obj 1.1634882e+08 Primal inf 2724.1576 (1318)

 length of U 317332, length of L 204202

1000 Obj 1.1635256e+08 Primal inf 57788.637 (1820)

 length of U 319405, length of L 202563

2000 Obj 1.1635904e+08 Primal inf 8721.1285 (1720)

 length of U 323933, length of L 198170

3000 Obj 1.1638716e+08 Primal inf 41955.364 (1696)

 length of U 325695, length of L 196488

4000 Obj 1.1639337e+08 Primal inf 13510.765 (1515)

 length of U 327661, length of L 194084

5000 Obj 1.163995e+08 Primal inf 5141.2061 (1171)

 length of U 329761, length of L 192044

6000 Obj 1.1640257e+08 Primal inf 6766.0952 (954)

 length of U 330134, length of L 191223

7000 Obj 1.1640282e+08 Primal inf 2703.4788 (785)

 length of U 335285, length of L 185813

7748 Obj 1.1640319e+08 Primal inf 269044.44 (1352)

 length of U 335422, length of L 185085

8748 Obj 1.1640323e+08 Primal inf 20494.275 (1005)

 length of U 334791, length of L 184524

9748 Obj 1.1640327e+08 Primal inf 602.53173 (611)

 length of U 334988, length of L 183552

10748 Obj 1.1640329e+08 Primal inf 339.96622 (551)

 length of U 335024, length of L 183635

11748 Obj 1.1640336e+08 Primal inf 200.78915 (435)

 length of U 335552, length of L 184238

12748 Obj 1.1640353e+08 Primal inf 582.53328 (409)

 length of U 334784, length of L 185667

13748 Obj 1.1640356e+08 Primal inf 30.651642 (254)

 length of U 334584, length of L 186303

14748 Obj 1.1640356e+08 Primal inf 0.0011045484 (200)

 length of U 334537, length of L 186333

14916 Obj 1.1640356e+08

Looking optimal checking bounds with 1.00001e+10

Going back to original objective

Looking optimal checking bounds with 1.00001e+10

Optimal - objective value 1.1640356e+08

Cuts at root node changed objective from 1.16349e+08 to 1.16368e+08

Probing was tried 22 times and created 488 cuts of which 595 were active after adding rounds of cuts (17.501 seconds)

Gomory was tried 22 times and created 1439 cuts of which 0 were active after adding rounds of cuts (169.853 seconds)

Knapsack was tried 19 times and created 0 cuts of which 0 were active after adding rounds of cuts (11.689 seconds)

Clique was tried 19 times and created 0 cuts of which 0 were active after adding rounds of cuts (0.122 seconds)

MixedIntegerRounding2 was tried 22 times and created 663 cuts of which 0 were active after adding rounds of cuts (7.771 seconds)

FlowCover was tried 19 times and created 9 cuts of which 0 were active after adding rounds of cuts (11.484 seconds)

TwoMirCuts was tried 19 times and created 1306 cuts of which 0 were active after adding rounds of cuts (146.813 seconds)

ZeroHalf was tried 1 times and created 0 cuts of which 0 were active after adding rounds of cuts (0.000 seconds)

Initial range of elements is 0.72122971 to 7560

Range of elements is 0.011799872 to 84.746681

Range of elements is 0.32417627 to 3.0847415

Final range of elements is 0.10655774 to 1

 length of U 335386, length of L 185438

Optimal - objective value 1.1640356e+08

Initial range of elements is 0.95 to 7560

Range of elements is 0.011799872 to 84.746681

Range of elements is 0.32538702 to 3.0732633

Final range of elements is 0.10655774 to 1

 length of U 335386, length of L 185438

0 Obj 1.1640356e+08 Dual inf 6597.7979 (761)

0 Obj 1.1640356e+08 Dual inf 6597.7979 (761)

 length of U 335647, length of L 186362

479 Obj 1.1640356e+08

Looking optimal with tolerance of 1e-07

Optimal - objective value 1.1640356e+08

536776 rows dropped after presolve pass 1

536790 rows dropped after presolve pass 2

536790 rows dropped after presolve pass 3

Presolve 11679 (-536790) rows, 26916 (-1866148) columns and 117204 (-7390284) elements

Initial range of elements is 0.95 to 950

Range of elements is 0.032444284 to 30.82207

Range of elements is 0.35221461 to 2.8391781

Final range of elements is 0.13245393 to 1

 length of U 18121, length of L 9620

 length of U 18121, length of L 9620

2115 total structurals rejected in initial factorization

0 Obj 1.1646045e+08 Primal inf 341322.68 (982) Dual inf 1.2115758e+15 (9264)

 length of U 17905, length of L 10559

473 Obj 1.1640924e+08 Primal inf 169512.4 (945) Dual inf 3.9592804e+14 (10936)

 length of U 17348, length of L 11314

952 Obj 1.164054e+08 Primal inf 152093.8 (917) Dual inf 5.3217956e+14 (10507)

 length of U 16409, length of L 12772

1614 Obj 1.1640936e+08 Primal inf 137536.04 (857) Dual inf 2.8541071e+14 (8242)

 length of U 17054, length of L 11314

End of values pass after 1914 iterations

1914 Obj 1.1647888e+08 Primal inf 98019.806 (698) Dual inf 2.0593758e+14 (8005)

Perturbing problem by 0.001% of 26256.822 - largest nonzero change 0.0042676984 ( 0.00044672274%) - largest zero change 1.9993034e-05

 length of U 17287, length of L 13016

2410 Obj 1.5948993e+08 Primal inf 31231.475 (499) Dual inf 1.4901848e+14 (7868)

 length of U 17227, length of L 13678

2746 Obj 1.7719581e+08 Primal inf 19227.791 (406) Dual inf 3.8270889e+14 (7461)

 length of U 17174, length of L 14173

3194 Obj 1.8644406e+08 Primal inf 11352.121 (289) Dual inf 1.9431548e+16 (7840)

 length of U 17469, length of L 14205

3519 Obj 1.916406e+08 Primal inf 9071.8762 (283) Dual inf 6.4703636e+14 (6966)

 length of U 17358, length of L 14637

3841 Obj 1.953505e+08 Primal inf 7554.9661 (237) Dual inf 3.1641259e+15 (7786)

 length of U 17418, length of L 14904

4151 Obj 1.908202e+08 Primal inf 5511.3318 (212) Dual inf 1.1360013e+14 (7396)

 length of U 17279, length of L 14946

4463 Obj 1.9230229e+08 Primal inf 4239.9321 (180) Dual inf 1.0338807e+15 (7193)

 length of U 17099, length of L 14933

4778 Obj 1.9791847e+08 Primal inf 3013.6936 (165) Dual inf 3.3658237e+14 (7360)

 length of U 17103, length of L 15153

5156 Obj 2.0164954e+08 Primal inf 1461.4356 (135) Dual inf 2.2656856e+14 (7719)

 length of U 16996, length of L 15485

5505 Obj 2.045879e+08 Primal inf 990.11039 (88) Dual inf 4.9133969e+13 (7715)

 length of U 17061, length of L 15635

5827 Obj 2.1019695e+08 Primal inf 457.71359 (67) Dual inf 1.6239976e+14 (7434)

 length of U 17080, length of L 15839

6203 Obj 2.0465432e+08 Dual inf 5.1048558e+08 (6057)

 length of U 17278, length of L 15658

6468 Obj 1.7546917e+08 Dual inf 1.8435553e+09 (6522)

 length of U 17047, length of L 15938

6744 Obj 1.558917e+08 Dual inf 1.1294329e+09 (6352)

 length of U 17318, length of L 15825

7031 Obj 1.3537475e+08 Dual inf 3.1943536e+08 (7121)

 length of U 17540, length of L 15728

7282 Obj 1.2708135e+08 Dual inf 3.0665389e+08 (6614)

 length of U 17737, length of L 15634

7581 Obj 1.2033124e+08 Dual inf 43406067 (6198)

 length of U 17612, length of L 15516

7856 Obj 1.1656058e+08 Dual inf 151285.9 (5159)

 length of U 17670, length of L 15588

8218 Obj 1.1649677e+08 Dual inf 508597.06 (5053)

 length of U 17725, length of L 15354

8494 Obj 1.164817e+08 Dual inf 1828736.8 (5761)

 length of U 17508, length of L 15672

8765 Obj 1.1646889e+08 Dual inf 685050.36 (5459)

 length of U 17320, length of L 15955

9047 Obj 1.1644758e+08 Dual inf 449853.95 (4621)

 length of U 17652, length of L 15699

9355 Obj 1.1643686e+08 Dual inf 1947073.4 (5359)

 length of U 17610, length of L 15673

9627 Obj 1.1643144e+08 Dual inf 553480.31 (5428)

 length of U 17525, length of L 15374

9932 Obj 1.1642585e+08 Dual inf 51243.776 (3364)

 length of U 17690, length of L 15642

10233 Obj 1.1641886e+08 Dual inf 2964989.6 (6104)

 length of U 17530, length of L 15616

10494 Obj 1.1641523e+08 Dual inf 211827.84 (4314)

 length of U 17490, length of L 15425

10811 Obj 1.1641132e+08 Dual inf 29379.284 (3139)

 length of U 17419, length of L 15302

11105 Obj 1.1640858e+08 Dual inf 2412447.2 (5143)

 length of U 17662, length of L 14958

11462 Obj 1.1640649e+08 Dual inf 30814.827 (3880)

 length of U 17852, length of L 14304

11840 Obj 1.1640511e+08 Dual inf 1548.3295 (1572)

 length of U 17720, length of L 14756

12147 Obj 1.1640427e+08 Dual inf 2424.1633 (1461)

 length of U 17211, length of L 14905

12468 Obj 1.1640368e+08 Dual inf 48.850402 (232)

 length of U 17064, length of L 14822

12672 Obj 1.1640356e+08

Absolute values of scaled rhs range from 0.0090632405 to 230058.66, minimum gap 1e+100

Absolute values of scaled objective range from 0.93791991 to 14242.975

Absolute values of scaled bounds range from 0.54840808 to 139386.29, minimum gap 4.5433519

Looking optimal with tolerance of 1e-06

 length of U 17064, length of L 14822

Optimal - objective value 1.1640356e+08

After Postsolve, objective 1.1640356e+08, infeasibilities - dual 0 (0), primal 1.0861626e-07 (1)

Presolved model was optimal, full model needs cleaning up

 length of U 405448, length of L 417476

 length of U 405448, length of L 417476

1 total structurals rejected in initial factorization

0 Obj 1.1640356e+08 Dual inf 0.45934055 (1)

 length of U 181771, length of L 640252

End of values pass after 2 iterations

2 Obj 1.1640356e+08 Dual inf 267906.35 (317)

Perturbing problem by 0.001% of 8235.1523 - largest nonzero change 0.019562185 ( 0.0018872936%) - largest zero change 1.9999992e-05

 length of U 182166, length of L 642807

590 Obj 1.1640356e+08

Absolute values of scaled rhs range from 0.0011577038 to 86028.065, minimum gap 1e+100

Absolute values of scaled objective range from 45.934065 to 45.934065

Absolute values of scaled bounds range from 0.84777509 to 417.06395, minimum gap 1e+100

Looking optimal with tolerance of 1e-07

Optimal - objective value 1.1640356e+08

 length of U 182166, length of L 642807

Optimal - objective value 1.1640356e+08

 length of U 353137, length of L 161917

 length of U 353137, length of L 161917

Perturbing problem by 0.001% of 45.934065 - largest nonzero change 3.0344792e-06 ( 6.606163e-06%) - largest zero change 3.0344762e-06

0 Obj 0 Primal inf 9532520.8 (6248)

 length of U 343189, length of L 172691

200 Obj 325310.3 Primal inf 9790222.3 (6358)

 length of U 342524, length of L 173819

400 Obj 325310.37 Primal inf 7767427.4 (6323)

 length of U 342106, length of L 174321

600 Obj 325310.37 Primal inf 10557787 (6242)

 length of U 336517, length of L 180161

800 Obj 325310.43 Primal inf 40800532 (6201)

 length of U 335164, length of L 181924

1000 Obj 325310.5 Primal inf 45437271 (6221)

 length of U 329638, length of L 188079

1200 Obj 325310.55 Primal inf 46078924 (6237)

 length of U 328840, length of L 188909

1400 Obj 325310.59 Primal inf 17740652 (6193)

 length of U 326687, length of L 191767

1600 Obj 1451833.7 Primal inf 88094015 (6210)

 length of U 326297, length of L 192471

1800 Obj 1451833.8 Primal inf 18188837 (6199)

 length of U 326195, length of L 193405

2000 Obj 1451833.9 Primal inf 32851192 (6229)

 length of U 325858, length of L 194145

2200 Obj 1451833.9 Primal inf 20222604 (6286)

 length of U 327722, length of L 193146

2400 Obj 1451834 Primal inf 29797666 (6390)

 length of U 327369, length of L 194153

2600 Obj 1451834 Primal inf 12605574 (6491)

 length of U 329066, length of L 193039

2800 Obj 1451834 Primal inf 13002970 (6582)

 length of U 329094, length of L 194047

3000 Obj 1451834.1 Primal inf 29898477 (6682)

 length of U 333686, length of L 190190

3200 Obj 1451834.1 Primal inf 19052523 (6784)

 length of U 332952, length of L 191539

3400 Obj 1451834.1 Primal inf 16565615 (6864)

 length of U 325883, length of L 199446

3600 Obj 1451834.2 Primal inf 13128584 (6951)

 length of U 327434, length of L 198732

3800 Obj 1451834.2 Primal inf 39920920 (7075)

 length of U 329189, length of L 197736

4000 Obj 1451834.3 Primal inf 45902547 (7148)

 length of U 328734, length of L 198784

4200 Obj 1451834.3 Primal inf 16786491 (7183)

 length of U 324472, length of L 203464

4400 Obj 1451834.3 Primal inf 59904957 (7237)

 length of U 321888, length of L 206994

4600 Obj 1451834.4 Primal inf 44027377 (7324)

 length of U 322517, length of L 206978

4800 Obj 1451834.4 Primal inf 29849813 (7424)

 length of U 324605, length of L 205353

5000 Obj 1451834.4 Primal inf 29541873 (7470)

 length of U 322677, length of L 208326

5200 Obj 1451834.4 Primal inf 27986900 (7518)

 length of U 323919, length of L 207477

5400 Obj 1451834.5 Primal inf 18878292 (7528)

 length of U 324053, length of L 207959

5600 Obj 1451834.5 Primal inf 16685256 (7561)

 length of U 319619, length of L 213182

5800 Obj 1451834.6 Primal inf 50059136 (7656)

 length of U 322659, length of L 210844

6000 Obj 1451834.6 Primal inf 22993427 (7678)

 length of U 324604, length of L 209308

6200 Obj 1451834.7 Primal inf 18608554 (7733)

 length of U 324732, length of L 209898

6400 Obj 1451834.7 Primal inf 17902312 (7757)

 length of U 325463, length of L 209633

6600 Obj 1451834.8 Primal inf 19314368 (7771)

 length of U 324950, length of L 211239

6800 Obj 1451834.8 Primal inf 36760953 (7821)

 length of U 321838, length of L 214830

7000 Obj 1451834.9 Primal inf 57837896 (7894)

 length of U 322084, length of L 214986

7200 Obj 1451835 Primal inf 29407745 (7927)

 length of U 322172, length of L 215484

7400 Obj 1451835 Primal inf 57188516 (7969)

 length of U 320471, length of L 217759

7600 Obj 1451835.1 Primal inf 2.9640584e+08 (7978)

 length of U 319477, length of L 218969

7800 Obj 1451835.1 Primal inf 29217168 (7963)

 length of U 316703, length of L 222575

8000 Obj 1451835.2 Primal inf 1.2468611e+08 (8007)

 length of U 316394, length of L 222991

8200 Obj 1451835.3 Primal inf 3.9849219e+08 (8013)

 length of U 315772, length of L 224220

8400 Obj 1451835.3 Primal inf 1.0887181e+08 (8106)

 length of U 317846, length of L 223495

8600 Obj 1451835.4 Primal inf 77066460 (8149)

 length of U 317258, length of L 223963

8800 Obj 1451835.5 Primal inf 52619917 (8161)

 length of U 317640, length of L 224655

9000 Obj 1451835.6 Primal inf 1.4538884e+08 (8185)

 length of U 317869, length of L 224895

9200 Obj 1451835.7 Primal inf 1.4754986e+08 (8177)

 length of U 315815, length of L 227715

9400 Obj 1451835.8 Primal inf 74833367 (8258)

 length of U 313971, length of L 229971

9600 Obj 1451835.9 Primal inf 2.2447284e+08 (8226)

 length of U 313746, length of L 230956

9800 Obj 1451836 Primal inf 32028265 (8222)

 length of U 315615, length of L 230075

10000 Obj 1451836.1 Primal inf 1.160557e+08 (8266)

 length of U 314760, length of L 229765

10200 Obj 1451836.3 Primal inf 2.7618027e+08 (8261)

 length of U 314225, length of L 231551

10400 Obj 1451836.4 Primal inf 1.1506063e+08 (8259)

 length of U 313800, length of L 232924

10600 Obj 1451836.6 Primal inf 1.0191606e+08 (8231)

 length of U 313338, length of L 233692

10800 Obj 1451836.8 Primal inf 1.0626943e+08 (8202)

 length of U 314037, length of L 234070

11000 Obj 1451836.9 Primal inf 2.397864e+08 (8208)

 length of U 313508, length of L 234752

11200 Obj 1451837.1 Primal inf 4.5899169e+08 (8299)

 length of U 313965, length of L 234969

11400 Obj 1451837.3 Primal inf 2.1371857e+08 (8287)

 length of U 312689, length of L 236342

11600 Obj 1451837.6 Primal inf 1.6756432e+08 (8281)

 length of U 313225, length of L 236317

11800 Obj 1451837.8 Primal inf 3.1371267e+08 (8286)

 length of U 312687, length of L 237523

12000 Obj 1451838 Primal inf 61091329 (8328)

 length of U 312691, length of L 238399

12200 Obj 1451838.3 Primal inf 7.3415815e+08 (8410)

 length of U 312025, length of L 239003

12400 Obj 1451838.6 Primal inf 3.3365053e+08 (8442)

 length of U 311380, length of L 240557

12600 Obj 1451838.9 Primal inf 1.5946553e+08 (8461)

 length of U 311910, length of L 240418

12800 Obj 1451839.2 Primal inf 1.4299891e+08 (8437)

 length of U 312230, length of L 240831

13000 Obj 1451839.5 Primal inf 3.2515514e+08 (8466)

 length of U 314425, length of L 239763

13200 Obj 1451839.8 Primal inf 2.2602394e+08 (8505)

 length of U 311096, length of L 241613

13400 Obj 1451840.1 Primal inf 1.0447752e+08 (8480)

 length of U 311822, length of L 242630

13600 Obj 1451840.4 Primal inf 2.3166558e+08 (8543)

 length of U 311813, length of L 242922

13800 Obj 1451840.7 Primal inf 3.5802241e+08 (8467)

 length of U 311030, length of L 243828

14000 Obj 1451841.3 Primal inf 4.8001791e+08 (8568)

 length of U 311548, length of L 243788

14200 Obj 1451842 Primal inf 3.7574076e+08 (8589)

 length of U 311288, length of L 244980

14400 Obj 1451842.3 Primal inf 3.051581e+08 (8636)

 length of U 310439, length of L 245749

14600 Obj 1451842.7 Primal inf 2.4231239e+08 (8674)

 length of U 311298, length of L 245273

14800 Obj 1451843.2 Primal inf 1.466011e+08 (8679)

 length of U 314265, length of L 243275

15000 Obj 1451843.8 Primal inf 1.0437724e+08 (8636)

 length of U 311514, length of L 245994

15200 Obj 1451844.3 Primal inf 2.4185214e+08 (8656)

 length of U 312348, length of L 246136

15400 Obj 1451844.8 Primal inf 5.1234709e+08 (8677)

 length of U 310998, length of L 247472

15600 Obj 1451845.8 Primal inf 6.1085733e+08 (8718)

 length of U 311500, length of L 247435

15800 Obj 1451846.5 Primal inf 6.1819476e+08 (8716)

 length of U 311053, length of L 247850

16000 Obj 1451847.2 Primal inf 4.3003285e+08 (8777)

 length of U 310645, length of L 249002

16200 Obj 1451848.1 Primal inf 6.0208447e+08 (8796)

 length of U 310947, length of L 249410

16400 Obj 1451848.7 Primal inf 5.7433742e+08 (8848)

 length of U 309473, length of L 250876

16600 Obj 1451849.7 Primal inf 7.5430401e+08 (8865)

 length of U 309245, length of L 251096

16800 Obj 1451850.9 Primal inf 1.8396187e+09 (8958)

 length of U 309743, length of L 250719

17000 Obj 1451851.6 Primal inf 2.8863428e+09 (8917)

 length of U 310323, length of L 251187

17200 Obj 1451853 Primal inf 3.0499294e+08 (8834)

 length of U 309788, length of L 252802

17400 Obj 1451854.4 Primal inf 1.6529457e+09 (8941)

 length of U 309156, length of L 252951

17600 Obj 1451855.7 Primal inf 7.5486458e+08 (8957)

 length of U 308847, length of L 254687

17800 Obj 1451856.9 Primal inf 3.8894327e+08 (8984)

 length of U 307903, length of L 256357

18000 Obj 1451857.9 Primal inf 9.182085e+08 (9028)

 length of U 308812, length of L 255337

18200 Obj 1451859.5 Primal inf 5.902804e+08 (8995)

 length of U 309550, length of L 254995

18400 Obj 1451861.3 Primal inf 4.8829211e+08 (9037)

 length of U 309306, length of L 255891

18600 Obj 1451863.3 Primal inf 1.6422593e+09 (9037)

 length of U 309726, length of L 255778

18800 Obj 1451865.8 Primal inf 8.5315644e+08 (9073)

 length of U 308665, length of L 255328

19000 Obj 1451868.2 Primal inf 1.2324602e+09 (9132)

 length of U 307283, length of L 258054

19200 Obj 1451870.7 Primal inf 3.164608e+09 (9177)

 length of U 307052, length of L 258780

19400 Obj 1451873 Primal inf 1.546116e+09 (9159)

 length of U 306914, length of L 259567

19600 Obj 1451875.1 Primal inf 1.41583e+09 (9118)

 length of U 307126, length of L 257866

19800 Obj 1451877.7 Primal inf 5.9629302e+08 (9205)

 length of U 306991, length of L 259681

20000 Obj 1451880 Primal inf 6.2474345e+08 (9138)

 length of U 305895, length of L 261283

20200 Obj 1451882.6 Primal inf 1.5433261e+09 (9208)

 length of U 306279, length of L 261341

20400 Obj 1451885.8 Primal inf 9.1515573e+08 (9143)

 length of U 307661, length of L 260115

20600 Obj 1451888.5 Primal inf 9.8747176e+09 (9205)

 length of U 306826, length of L 260585

20800 Obj 1451891.9 Primal inf 2.3932766e+09 (9092)

 length of U 306144, length of L 262351

21000 Obj 1451895.9 Primal inf 1.8289336e+09 (9133)

 length of U 305480, length of L 263158

21200 Obj 1451900.3 Primal inf 2.9304112e+09 (9126)

 length of U 304995, length of L 264971

21400 Obj 1451903.5 Primal inf 2.0495363e+09 (9131)

 length of U 305657, length of L 264409

21600 Obj 1451907.6 Primal inf 1.6323437e+09 (9141)

 length of U 306220, length of L 263826

21800 Obj 1451911.8 Primal inf 1.6908235e+09 (9139)

 length of U 306219, length of L 263985

22000 Obj 1451914.9 Primal inf 2.3747173e+09 (9172)

 length of U 306353, length of L 263845

22200 Obj 1451918.7 Primal inf 3.2196542e+09 (9186)

 length of U 308521, length of L 261003

22400 Obj 1451923 Primal inf 7.0301057e+08 (9122)

 length of U 306880, length of L 264380

22600 Obj 1451927.4 Primal inf 7.758464e+08 (9118)

 length of U 307185, length of L 264713

22800 Obj 1451930.1 Primal inf 3.9016572e+09 (9186)

 length of U 306974, length of L 264485

23000 Obj 1451934.2 Primal inf 3.6116526e+09 (9153)

Stopped - objective value 1451934.2

Presolve 11679 (-536790) rows, 26914 (-1866150) columns and 117200 (-7390288) elements

 length of U 0, length of L 0

0 Obj -1.3472325e+08 Primal inf 4.4441793e+09 (4616) Dual inf 8.7108901e+13 (10195)

Stopped - objective value 4.4478864e+19

Presolved problem not optimal, resolve after postsolve

After Postsolve, objective -1.3472325e+08, infeasibilities - dual 1.5000281e+14 (49220), primal 6.3734617e+09 (4872)

Stopped objective -134723250.1 - 0 iterations time 57.372, Presolve 57.35

Presolve 17726 (-530743) rows, 57869 (-1835195) columns and 198256 (-7309232) elements

 length of U 25097, length of L 19090

 length of U 25097, length of L 19090

Perturbing problem by 0.001% of 10000 - largest nonzero change 0.0094133628 ( 0.22894033%) - largest zero change 0.0094126113

0 Obj 40270030 Primal inf 1001757 (1) Dual inf 32683.77 (6811)

0 Obj 40270030 Primal inf 1001757 (1) Dual inf 3.5431685e+12 (7750)

Stopped - objective value 1.001757e+16

 length of U 25097, length of L 19090

Perturbing problem by 0.001% of 28616.315 - largest nonzero change 0.0031031405 ( 0.00022276673%) - largest zero change 1.9999563e-05

0 Obj 40270030 Primal inf 1001757 (1) Dual inf 3.5431685e+12 (7750)

Stopped - objective value 1.0017571e+16

Presolved problem not optimal, resolve after postsolve

After Postsolve, objective 40270030, infeasibilities - dual 3.5327876e+12 (13050), primal 76133532 (1)

 length of U 0, length of L 0

Perturbing problem by 0.001% of 45.934065 - largest nonzero change 3.0344792e-06 ( 6.606163e-06%) - largest zero change 3.0344787e-06

0 Obj 0 Primal inf 2470160.7 (5773)

Stopped - objective value 0

Result - Stopped on time limit

Objective value: 116403562.74672508

Lower bound: 116368291.741

Gap: 0.00

Enumerated nodes: 2

Total iterations: 32301

Time (CPU seconds): 7280.91

Time (Wallclock seconds): 7280.99

Total time (CPU seconds): 7282.99 (Wallclock seconds): 7283.07

CBC 2.10.3 stopped on time limit, objective 116403562.7

2 nodes, 32301 iterations, 8626.96 seconds

Results are written in the Excel file.

\_ampl\_elapsed\_time = 60.453

time() - t0 = 7337

ampl: