Lw=[2,3,3,4,6,7];

Ow=[1500,1000,2000,800,4000,4800];

Pw=[84,85.0,83,83.5,82.8,82.5];

%Pw=[84.0,84.5,83.2,83.5,82.8,82.5];

Or=500;

BigM=[180,160,150,190,180,210];

qw=[0.970,0.975,0.945,0.955,0.950,0.945]; %Perfect Rate

qr=0.95; %Target Perfect Rate

Node Left Iinf Objective Best Relaxatn Best Incumbent

------ ------ ------ -------------- -------------- --------------

1 0 13 -7.238282e+002 -7.238282e+002 6.281388e+004

10 9 9 -6.534139e+002 -7.235934e+002 -9.507115e+001

\* 10 9 r -1.023492e+002

20 15 11 -6.681955e+002 -7.228961e+002 -1.023492e+002

30 25 7 -6.754800e+002 -6.755229e+002 -1.023492e+002

40 33 5 -6.414020e+002 -6.753185e+002 -1.023492e+002

50 43 7 -6.284010e+002 -6.745060e+002 -1.023492e+002

60 53 10 -6.709527e+002 -6.713810e+002 -3.841070e+002

70 63 6 -6.238882e+002 -6.706371e+002 -3.841070e+002

80 73 10 -5.723209e+002 -6.675621e+002 -3.841070e+002

90 83 10 -6.017413e+002 -6.638116e+002 -3.841070e+002

100 93 4 -6.410309e+002 -6.419672e+002 -3.841070e+002

110 103 4 -6.301540e+002 -6.410309e+002 -3.841070e+002

120 105 3 -6.321776e+002 -6.386584e+002 -3.868226e+002

130 111 5 -6.239192e+002 -6.313403e+002 -4.652105e+002

140 113 INFEASIBLE pr -6.292660e+002 -4.770431e+002

150 107 INFEASIBLE pr -6.277295e+002 -4.770431e+002

160 105 6 -6.231632e+002 -6.238882e+002 -4.770431e+002

170 99 INFEASIBLE pr -6.213991e+002 -4.770431e+002

180 93 INFEASIBLE pr -6.184935e+002 -4.770431e+002

190 87 INFEASIBLE pr -6.128508e+002 -4.770431e+002

200 85 7 -5.786282e+002 -5.980098e+002 -4.770431e+002

210 85 INFEASIBLE pr -5.786282e+002 -4.770431e+002

220 83 8 -5.639721e+002 -5.730656e+002 -4.770431e+002

230 77 7 -5.140420e+002 -5.689825e+002 -4.770431e+002

240 75 9 -5.583867e+002 -5.625857e+002 -4.770431e+002

250 75 INFEASIBLE pr -5.579152e+002 -4.770431e+002

260 65 6 -5.412353e+002 -5.561502e+002 -4.770431e+002

270 69 INFEASIBLE pr -5.532687e+002 -4.770431e+002

280 67 -4.870963e+002 pr -5.531555e+002 -5.310183e+002

290 59 4 -5.405741e+002 -5.469712e+002 -5.355183e+002

300 55 2 -5.425338e+002 -5.436789e+002 -5.355183e+002

\* 300 55 r -5.362257e+002

EXIT: Optimal solution found.

Final Statistics for MIP

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Final objective value = -5.43274828013742e+002

Final integrality gap (abs / rel) =-5.05e-008 / -9.30e-011 (-0.00)

# of nodes processed = 309

# of subproblems processed = 309

Total program time (secs) = 1395.440 ( 1400.983 CPU time)

Time spent in evaluations (secs) = 1395.011

===========================================================================

>> x

x =

6 0 0 10 0 0 1 0 0 1 0 0 2 101 -5