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 -2.652640e+003 -2.652640e+003 2.341789e+005

10 9 12 -2.548026e+003 -2.652292e+003 -1.628768e+003

20 19 6 -2.554592e+003 -2.580182e+003 -2.250985e+003

30 29 5 -2.555567e+003 -2.577425e+003 -2.389674e+003

40 39 5 -2.502605e+003 -2.556158e+003 -2.393809e+003

50 43 4 -2.555169e+003 -2.555338e+003 -2.393809e+003

60 49 5 -2.538120e+003 -2.554201e+003 -2.393809e+003

70 53 3 -2.503455e+003 -2.552168e+003 -2.393809e+003

80 57 5 -2.513009e+003 -2.541474e+003 -2.393809e+003

90 67 8 -2.530816e+003 -2.537926e+003 -2.393809e+003

100 73 6 -2.440490e+003 -2.530816e+003 -2.393809e+003

110 79 -2.370095e+003 pr -2.513009e+003 -2.400519e+003

120 79 4 -2.472003e+003 -2.503743e+003 -2.400519e+003

130 79 INFEASIBLE pr -2.501079e+003 -2.400519e+003

140 73 INFEASIBLE pr -2.496806e+003 -2.400519e+003

150 63 INFEASIBLE pr -2.491084e+003 -2.400519e+003

160 59 INFEASIBLE pr -2.464314e+003 -2.400519e+003

170 57 6 -2.449539e+003 -2.455301e+003 -2.409529e+003

180 53 -2.372111e+003 pr -2.447657e+003 -2.409529e+003

190 45 8 -2.435385e+003 -2.435692e+003 -2.409529e+003

200 49 INFEASIBLE pr -2.428470e+003 -2.409529e+003

210 41 -2.148461e+003 pr -2.426522e+003 -2.409529e+003

220 37 6 -2.422455e+003 -2.422570e+003 -2.409529e+003

230 35 8 -2.416222e+003 -2.418648e+003 -2.409529e+003

240 33 INFEASIBLE pr -2.416721e+003 -2.409529e+003

250 25 4 -2.413794e+003 -2.413971e+003 -2.409529e+003

260 31 -2.409180e+003 pr -2.413678e+003 -2.411486e+003

270 31 3 -2.412190e+003 -2.413016e+003 -2.411486e+003

280 27 -2.412501e+003 pr -2.412621e+003 -2.412595e+003

EXIT: Optimal solution found.

Final Statistics for MIP

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

Final objective value = -2.41259472020874e+003

Final integrality gap (abs / rel) = 9.69e-006 / 4.02e-009 ( 0.00)

# of nodes processed = 281

# of subproblems processed = 281

Total program time (secs) = 1185.270 ( 1190.740 CPU time)

Time spent in evaluations (secs) = 1185.781

>> x

x =

7 0 0 8 0 14 1 0 0 1 0 1 4 142 -1