

!Objective function;

Max 198000x12 + 134000x13 + 114000x14 + 198000x21 + 160000x23 + 200000x24 + 134000x31 + 160000x32 + 118000x34 + 114000x41 + 200000x42 + 118000x43

s.t.

x21 + x23 + x24 <= 16

x41 + x42 + x43 <= 11

x21 + x32 + x41 <= 20

x12 + x32 + x42 <= 15

x13 + x23 + x43 <= 12

x14 + x24 + x34 <= 10

x31 + x32 + x34 <= 12

x12 + x13 + x14 <= 18

!Constraints to make sure we don't have negative Slots;

x12>=1 x21>=1 x31>=1 x41>=1

x13>=1 x23>=1 x32>=1 x42>=1

x14>=1 x24>=1 x34>=1 x43>=1

x12<=8 x21<=8 x31<=8 x41<=8

x13<=8 x23<=8 x32<=8 x42<=8

x14<=8 x24<=8 x34<=8 x43<=8

end

GIN x12 GIN x21 GIN x31 GIN x41

GIN x13 GIN x23 GIN x32 GIN x42

GIN x14 GIN x24 GIN x34 GIN x43