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\ENCODING=ISO-8859-1
\Problem name: sabrina
Maximize
  obj: 700 GPrem + 600 GReg + 400 CAVion + 350 Acomb + 150 ALu
Subject To
  c1:C1 <= 20000
  c2:C2 <= 30000
  c3:D1 - C1 <= 0
  c4:D2 - C2 <= 0
  c5:D1 + D2 <= 45000
  c6:NL - 0.1 D1 - 0.15 D2 = 0
  c7:NM - 0.2 D1 - 0.25 D2 = 0
  c8:NP - 0.2 D1 - 0.18 D2 = 0
  c9:NLp + NLR - NL <= 0
  c10:NMp + NMr - NM <= 0
  c11:NPP + NPr - NP <= 0
  c12:NLR - NL + (NLp + NLR) = 0
  c13:NMR - NM + (NMp + NMr) = 0
  c14:NPR - NP - (NPP + NPr) = 0
  c15:GRp + GRr - 0.6 NLR - 0.52 NMR - 0.45 NPR <= 0
  c16:NLR + NMR + NPR <= 10000
  c17:AL - 0.12 D1 - 0.08 D2 = 0
  c18:AP - 0.19 D1 - 0.12 D2 = 0
  c19:ALca + ALac - AL <= 0
  c20:APca + APac - AP <= 0
  c21:ALC - AL + ALca + ALac = 0
  c22:APC - AP + APca + APac = 0
  c23:ALC + APC <= 8000
  c24:ACca + ACac - 0.68 ALC - 0.75 APC <= 0
  c25:GCp + GCr - 0.28 ALC - 0.20 APC <= 0
  c26:Rca + Rac + Ral - 0.13 D1 - 0.12 D2 <= 0
  c27:GPrem - NLp - NMp - NPP - GRp - GCp <= 0
  c28:GReg - NLR - NMr - NPr - GRr - GCr <= 0
  c29:90 NLp + 80 NMp + 70 NPP + 115 GRp + 105 GCp - 94 GPrem >= 0
  c30:90 NLR + 80 NMr + 70 NPr + 115 GRr + 105 GCr - 84 GReg >= 0
  c31:100 GPrem - 40 GReg <= 0
  c32:CAVion - ALca - APca - ACca - Rca <= 0
  c33:(1.0 ALca + 0.6 APca + 1.5 ACca + 0.05 Rca) - CAVion <= 0
  c34:Acomb - 0.1 ALac - 0.25 APac - 0.3 ACac - Rac <= 0
  c35:ALu - 0.5 Ral <= 0
Bounds
  500 <= ALu <= 1000
End

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