X_{11} = Liters of C1 to be included in product GCA

X_{21} = Liters of C2 to be included in product GCA

X_{12} = Liters of C1 to be included in product GCB

X_{22} = Liters of C2 to be included in product GCB

X_{13} = Liters of C1 to be included in product GCC

X_{23} = Liters of C2 to be included in product GCC

Maximize $z = 120(X_{11} + X_{21}) + 135(X_{12} + X_{22}) + 155(X_{13} + X_{23})$

Subject to: $X_{11} + X_{12} + X_{13} \leq 10000$ (availability of component C1)

$X_{21} + X_{22} + X_{23} \leq 15000$ (availability of component C2)

$X_{11} + X_{21} \geq 6000$ (demand of product GCA)

$X_{12} + X_{22} \geq 7000$ (demand of product GCB)

$X_{13} + X_{23} \geq 9000$ (demand of product GCC)

$0.4X_{11} + 0.2X_{21} \geq 0.3(X_{11} + X_{21})$

(Product GCA must contain at least one 0.3 fraction of the critical element)

$0.4X_{12} + 0.2X_{22} \leq 0.3(X_{12} + X_{22})$

(Product GCB must contain one 0.3 fraction of the critical element at the most)

$X_{13} \geq 0.3X_{23}$ (the minimum ratio between C1 and C2 must be 0.3)

$X_{11}, X_{21}, X_{12}, X_{22}, X_{13}, X_{23} \geq 0$