

Eristies = 100 palettes

120 € palette

Parm Flammes = 100 palettes

Miel Pop = 200 palettes

5

Variables:

x_1 = Eristies nombre de palette

y_1 = Lot 1

x_2 = nb palette Parm Flammes

y_2 = Lot 2

x_3 = nb palettes Miel Pop

Contraintes

$P_1: x_1 \leq 100$

$P_2: x_2 \leq 100$

$P_3: x_3 \leq 200$

$P_4: 300x_1 + 400x_2 + 100x_3 \leq 300y_1 + 200y_2$

$P_5: 500x_1 + 200x_2 + 200x_3 \leq 200y_1 + 300y_2$

$P_6: 200x_1 + 300x_2 + 500x_3 \leq 300y_1 + 300y_2$

$P_7: x_1, x_2, x_3, y_1, y_2 \geq 0$

Fonction économique:

$\text{Benefit} = (120x_1 + 120x_2 + 120y_3) - (50y_1 + 60y_2) \text{ à max}$