

180

#C: x C

#V: y V

A

5

2

B

3

3

180

135

Contraintes

$$5x + 2y \leq 180$$

$$3x + 3y \leq 135$$

$$x, y \geq 0$$

← Total

a) Profit: $3000 \cdot x + 2000 \cdot y$

$$-x + 45 = -\frac{5}{2}x + 90$$

$$1,5x = 45$$

$$x = \frac{45}{1,5} = 30$$

$$y = 15$$

$$y = -\frac{5}{2}x + 90$$

$$y = -x + 45$$

courbe
de niveau

PROFIT

$$3000x + 2000y = 0$$

$$y = -\frac{3}{2}x$$

