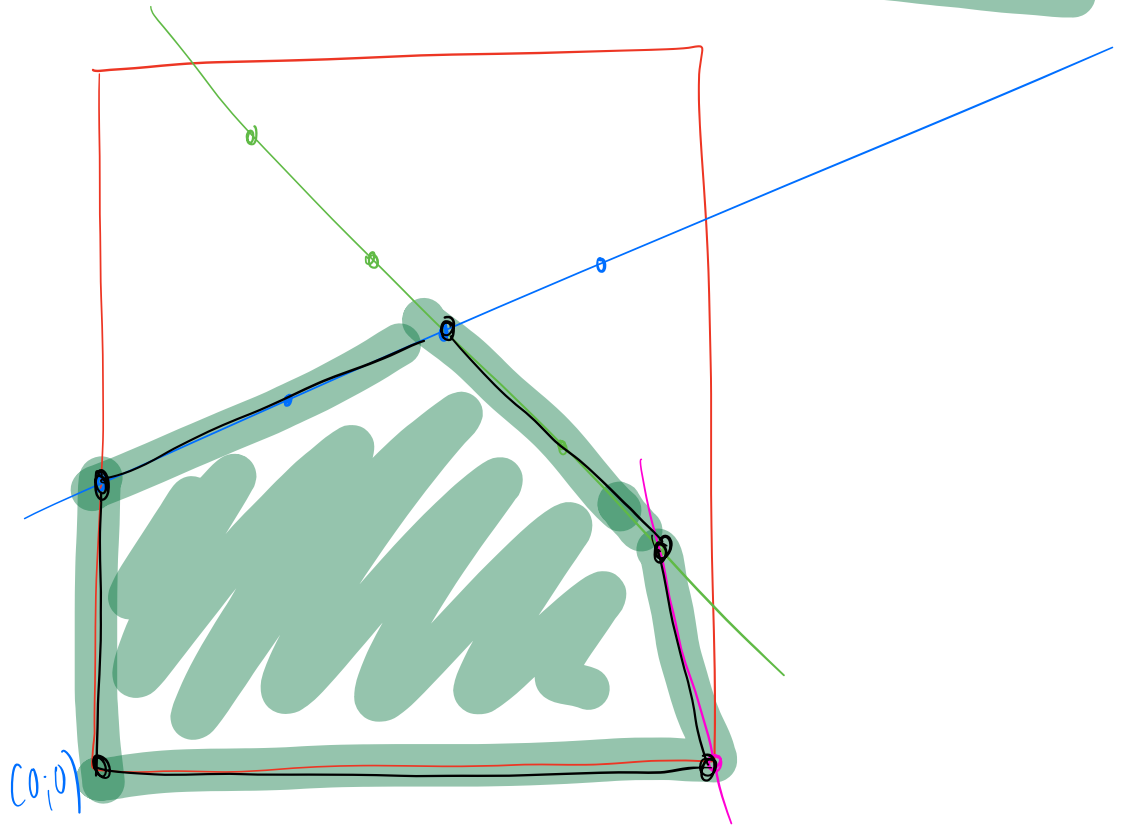


PL - résolution de problèmes



Exercice 1.7

#A: x #B: y

$$1 \cdot x + 2y \leq 80$$

$$3x + 2y \leq 120$$

$$x \geq 0$$

$$y \geq 0$$

Polygone

$$50x + 20y$$

Objectif

$$y = -\frac{1}{2}x + 40$$

$$y = -\frac{3}{2}x + 60$$

$$1 \cdot 0 + 2 \cdot 0 \leq 80 \Leftrightarrow 0 \leq 80 \text{ (OK)}$$

$$3 \cdot 0 + 2 \cdot 0 \leq 120 \Leftrightarrow 0 \leq 120 \text{ (OK)}$$

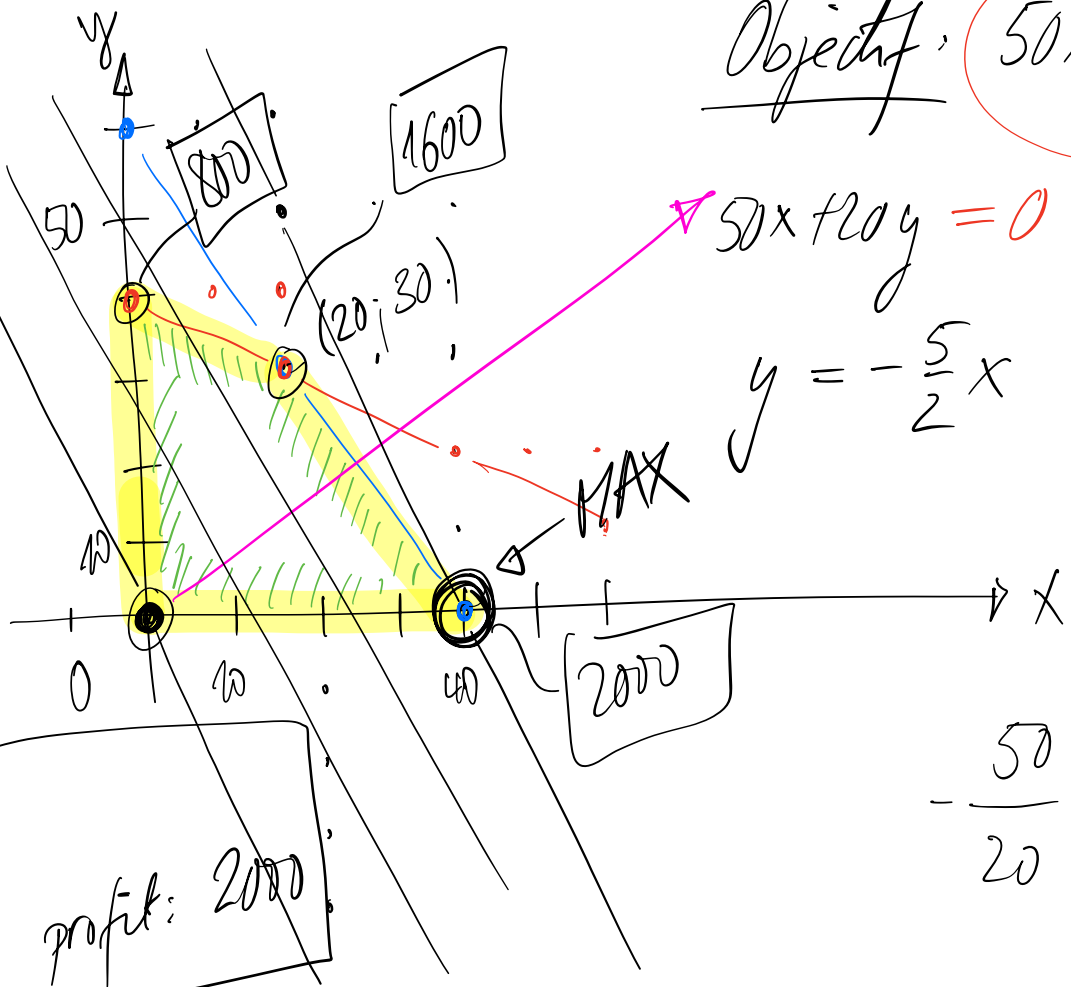
Objectif: $50x + 20y$

Pour maximiser

$$50x + 20y$$

il faut produire
40 btes A
0 btes B

profit: 2000



$$50x + 20y = 0$$

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

$$-\frac{50}{20}$$