doses de A : x

doses de B : y

$x+y$ OBJECTIF

$x+y=0$

$y=-x$

		PROT.	HYD. C.	CAL.
A	x	15	20	300
B	y	10	30	400
		90	120	2400

$15 \cdot 0 + 10 \cdot y \geq 90$ FAUX

$15x + 10y \geq 90$

$20 \cdot 0 + 30 \cdot 0 \geq 120$ FAUX

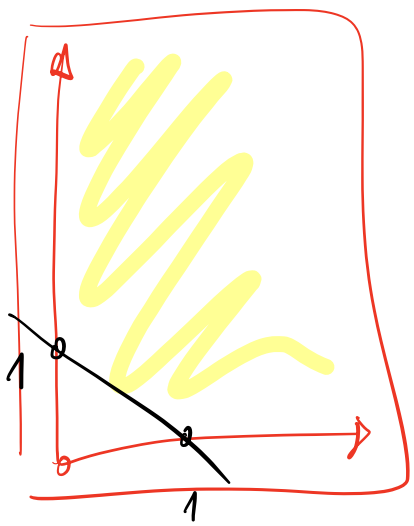
$20x + 30y \geq 120$

$300 \cdot 0 + 400 \cdot 0 \geq 2400$ FAUX

$300x + 400y \geq 2400$

$x \geq 0$

$y \geq 0$



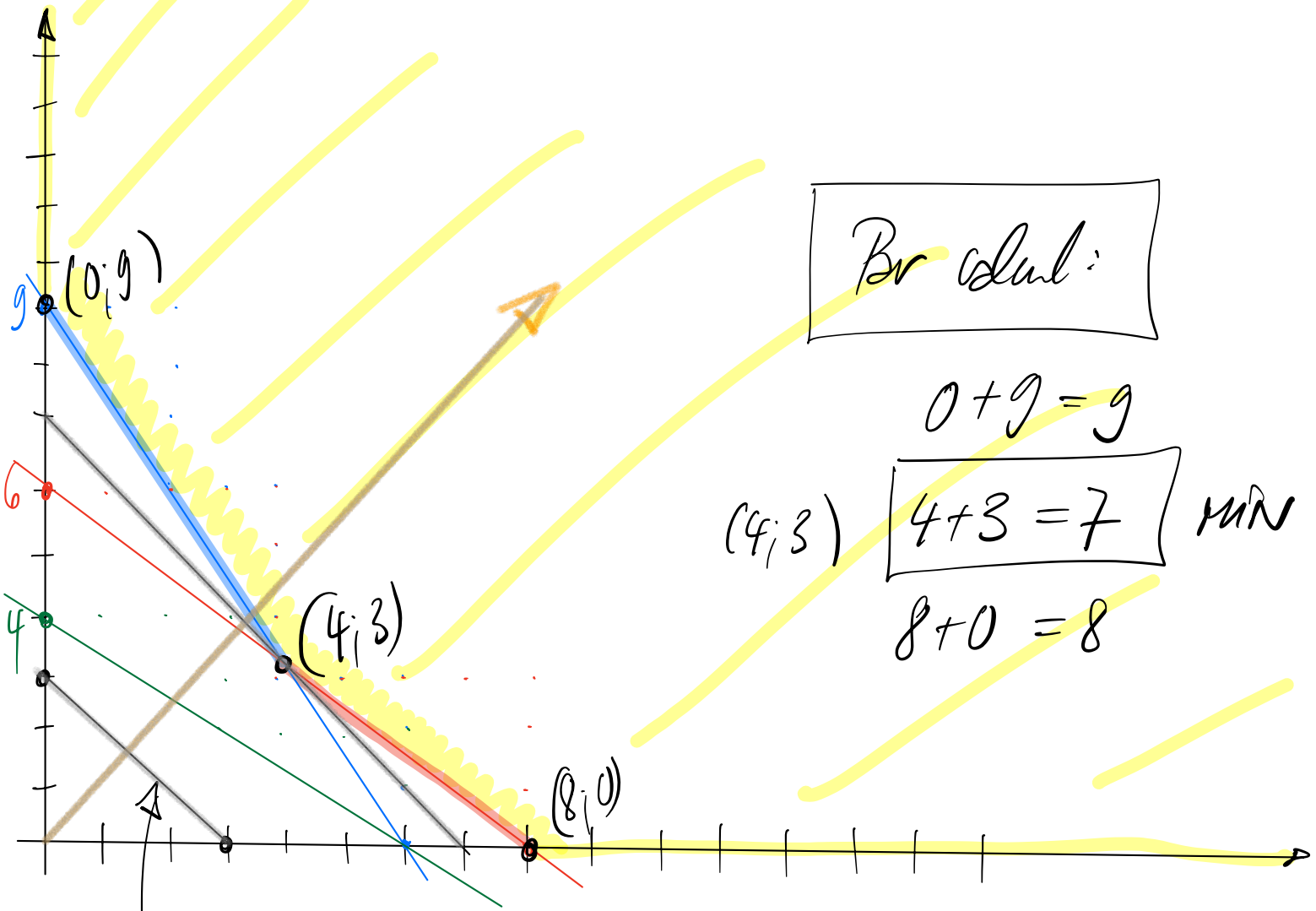
$y = -\frac{3}{2}x + 9$ $x=4$ $y=3$ ✓

$y = -\frac{2}{3}x + 4$

$y = -\frac{3}{4}x + 6$ $x=4$ $y=3$ ✓

A DESSINER :

$x, y \geq 0$



Br calcul :

$0+9=9$

$(4;3)$ $\boxed{4+3=7}$ MIN

$8+0=8$

pente de $x+y=0 \iff y=-x$

$f(x;y) = x+y$

$x+y=0$

(1) $y = -x = -\frac{1}{1}x$

(2) Dessiner la pente