Proyecto entrega 2

Tuesday, November 9, 2021 4:29 PM

Max $\vec{I} \cdot \vec{X} - \vec{C} \cdot \vec{X}$

s.a. $\left(\sum_{i=1}^{n} X_i\right) = Area\ total\ cultivable$

$X_i \leq \frac{b_i}{n} \cdot Area\ total\ cultivable$

$X_i \geq 0, \quad i = 1, ..., n$

$(\vec{I} - \vec{C})\vec{X}$

4 cultivos → maíz, frijol, papa, albahaca

$x_1 \leq 4$

$x_2 \leq 5$

$x_3 \leq 5$

$x_4 \leq 6$

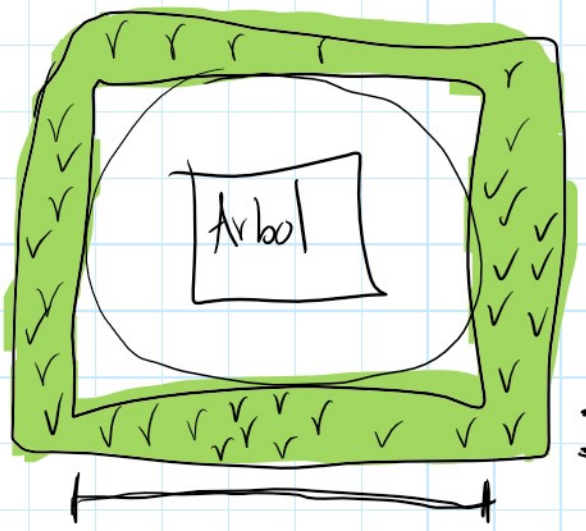
$x_1 + x_2 + x_3 + x_4 = At$

$x_1 + x_5 = 5 = \frac{b_1}{n}$

$x_2 + x_6 = 5 = \frac{b_2}{n}$

$x_3 + x_7 = 5 = \frac{b_3}{n}$

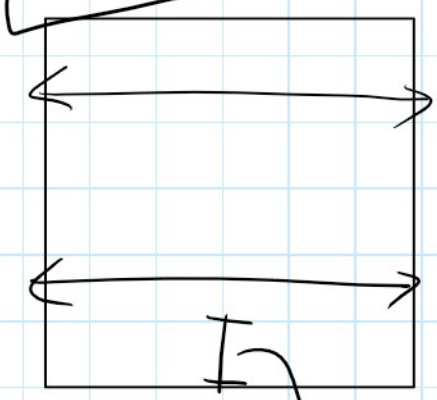
$x_4 + x_8 = 6 = \frac{b_4}{n}$



0,5 mt

$\left(\frac{1}{10}r + r\right)^2 \pi$

flores

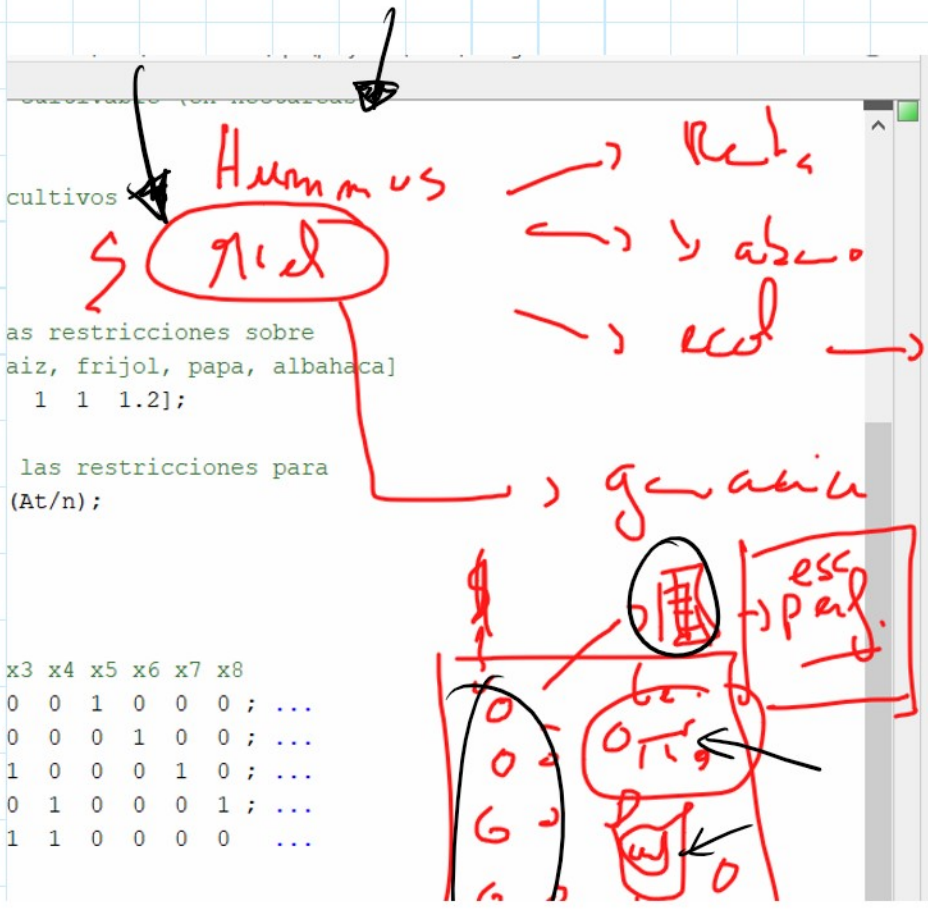


Abejas

hormonas

χ

Margo
Aguacate
Platano



```
0  1  0  0  0  1  ...
1  1  0  0  0  0  ...


en modo verbose
, (I - C), false, true)
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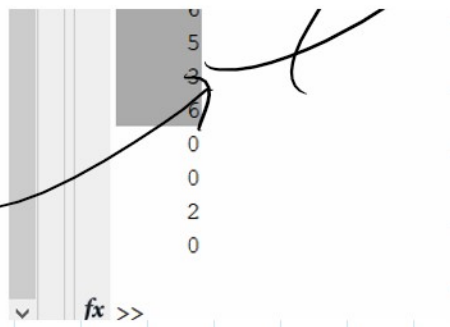
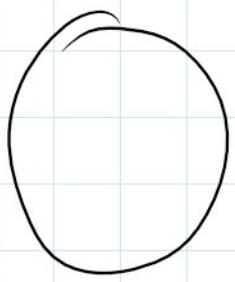




x_1, x_2, x_3, x_4 ← variable

r_1, r_2, r_3, r_4 ← fijo

árboles de cierto tipo

$$\sum_{i=1} (x_i)\left(r_i + \frac{r_i}{10}\right)^2 \pi = A+$$

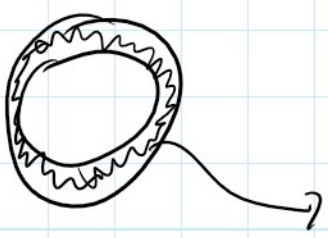
(cte)

$$x_i \underbrace{\left(r_i + \frac{r_i}{10}\right)^2}_{\text{cte}} \pi \leq \frac{b_i(At)}{n}$$

$$\underbrace{(I - C)\vec{x}}_{\text{Lineal}} + \underbrace{humos(\vec{x}) + miel(\vec{x})}_{\exp / \log / \frac{x^2}{n}}$$

humanos

$$a\,Ln(x_1) + b\,Ln(x_2) + c\,Ln(x_3) + \dots + f\,Ln(x_4) \rightarrow f_{Ingresos}$$



ingresos fijos