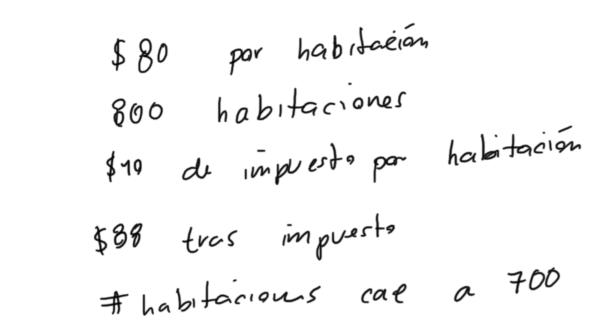
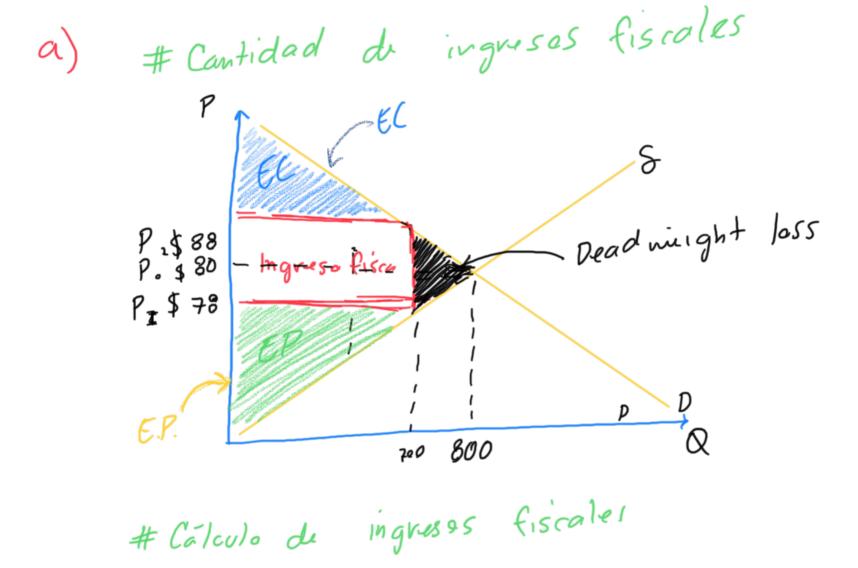
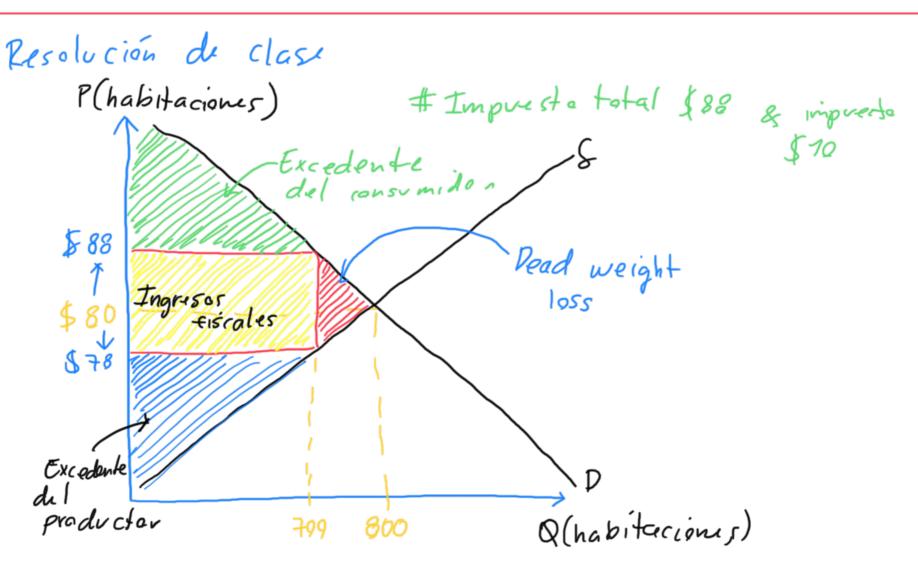
LABORATORIO #1 - DAVID CORZO - 20190432 - 2020-01-30



1)



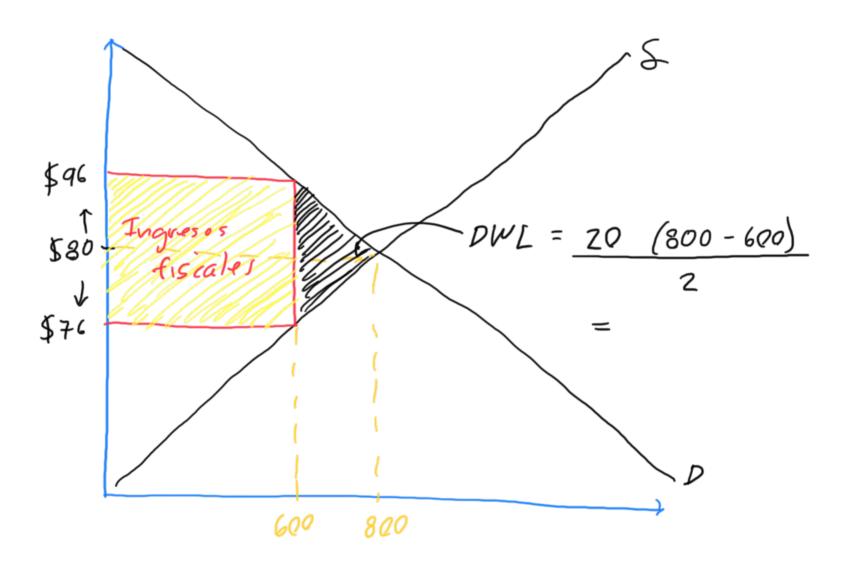
$$C_{\rm IF} = 10 * 790 = 7,000$$
 de ingresos fiscoles en délons.
 $D_{\rm W} = 100 * 10 = 1,000 \cdot \frac{1}{2} = 5500$ de du ightoss



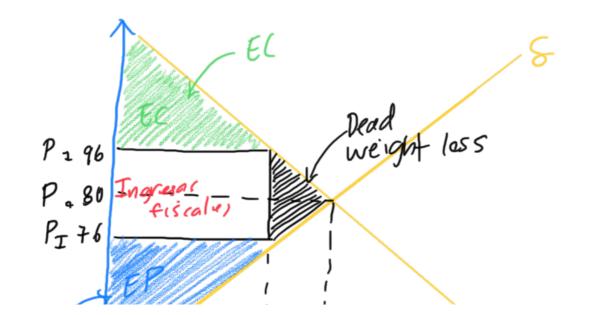
Dead weight loss =
$$\frac{2}{10 * (800-700)}$$

= $\frac{2}{500}$

Qué pasa si el impresto es \$20



fin resolución dace



$$EP$$

$$\begin{array}{c} 600 & 0.800 \\ \Delta = 600 \end{array}$$

$$D_{w} = 20 * 200_{*\frac{1}{2}} = 2,000 $ dr dead wigh | 055$$

a)
$$Q = 1,200 - 9.5p + 16.2pp + 0.2Y$$

$$Q = 1200 - 9.5(45) + 16.2(31) + 0.27$$

$$Q = 1274.7 + 0.2 Y$$

$$\frac{1275 - 1274.7}{0.2} = x$$

$$\frac{3}{2} = Y$$

$$n^{1}-m$$
 $m \perp m \perp m \cdot 2$

W - W - W + W -

$$\frac{\Delta Q}{\Delta Y} = \frac{1}{5}$$

Remplagar
$$E_{I} = \frac{1}{5} * \sqrt{\frac{\frac{3}{2}}{\frac{1275}{14}}} = \frac{1}{5} * \left[\frac{\frac{3}{2 \cdot 1'275}}{\frac{2 \cdot 1'275}{1275}}\right] = \frac{1}{5} * \frac{\frac{3}{2550}}{\frac{1250}{1250}} = \frac{1}{4250} = \dots$$

$$\left[\mathcal{E}_{p} = \frac{AQ}{AP} \cdot \frac{P}{Q}\right]$$

$$Q^{9} = 0 - 9.5 + 0 + 0$$

$$Q^9 = -9.5 \leftarrow \Delta Q \Delta P$$

$$\varepsilon_p = -9.5 \cdot \frac{45}{1275} \approx -0.3352941176$$

(c)
$$16.2 \cdot \frac{31}{1275} \approx 0.3938823529$$

: Bienes sustitutes

Q = 1200 - 9.5 p + 16.2 pp + 0.2 Y

#

P = 45

PP = 31

Q = 1275

1275 = 1200 - 9.5 (45) + 16.2 (31) + 0.2 Y

Y = 1.5

F# Elasticidad ingress

EY =
$$\frac{\Delta Q}{\Delta Y} \cdot \frac{Y}{Q}$$

EY = $\frac{dQ}{dY} \cdot \frac{Y}{Q}$

EY = 0.2 • 1.5

EY = $\frac{dQ}{dY} \cdot \frac{Y}{Q}$

Solve tipos of their son?

EY \(\text{E} \) |\(\text{E

Elasticidad Precio
$$E_P = \frac{\Delta Q}{\Delta P} \cdot \frac{P}{Q}$$

$$\mathcal{E}_{c} = 16.2$$
 . $\frac{31}{1275} = 0.39$ sustituto

Fin de gesolvaion

3) a)
$$U = BC$$

B, hamburguesas

C, cigarros semanales

$$T_{ms} = -\frac{B}{C}$$

b)
$$120 = 2B + 10$$

$$T_{MT} = -2$$

$$\frac{B}{C} = 2$$

$$B = 2c$$

$$\frac{B}{f} = 2$$

$$B = C$$

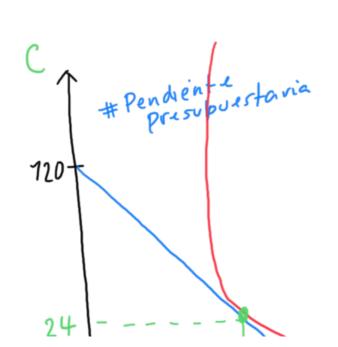
$$120 = 2(2c) + C$$

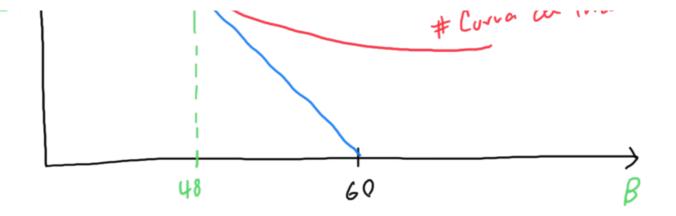
$$\frac{120}{5} = C$$

$$c = 24$$

$$120 = 2B + 24$$

$$120 - 24 = 2B$$





D)
$$-\frac{B}{C} = -3$$
 #Impuesto de \$3

$$f \frac{\beta}{C} = f 3$$

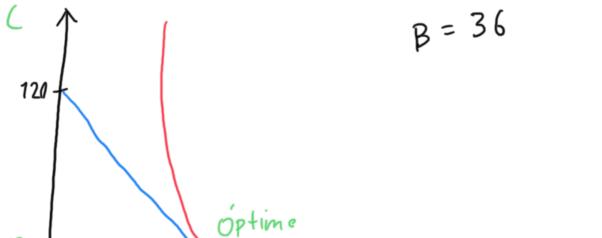
$$\frac{\beta}{C} = 3 C$$

$$B = 3 C$$

$$\frac{120}{10} = C$$

$$120 = 3B + 12$$

$$\frac{108}{3} = B$$



60

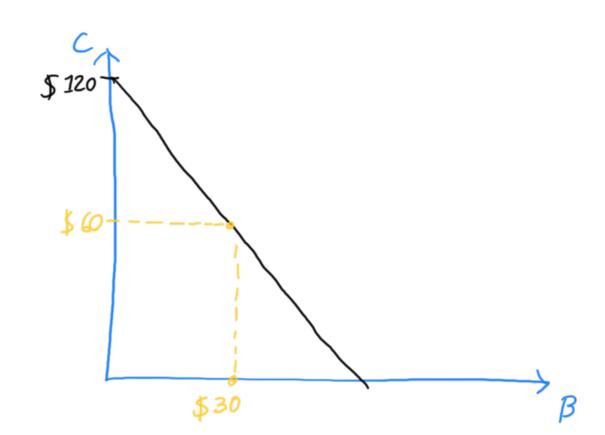
36

Curva de # Pendiente presuprestaria

12

Restricción presuprestaria.

$$Y = Q_B P_B + Q_C P_C$$
a) $120 = 2B + C$



b)
$$TMT = PB$$

$$P_{c}$$

$$TMT = -\frac{2}{1} = -2$$

$$TMS = \frac{\frac{du}{dB}}{\frac{du}{dc}} = \frac{C}{B}$$

$$-2 = -\frac{C}{B}$$

Sustituir on restricción presuprestaria

$$120 = 2B + C$$

$$120 = 2B + 2B$$

$$30 = B$$

4)
$$U(x,7) = 10 x^2 z$$

a) Restricción presupuestavia:

$$\frac{150}{5} = Z$$

#Asumir y=0

$$150 = 10 \times$$

$$\frac{15\cancel{p}}{\cancel{16}} = \times$$

b) TMT

$$T_{m+} = -\frac{10}{5} = -2$$

C) TMS

$$TMS = \frac{10x^2}{20x^2} = \frac{10x^2}{20x^2} = \frac{10x^2}{20x^2} = \frac{1}{20x^2} = \frac{1}{20x^2$$

Restriccion prerupuestavia

15

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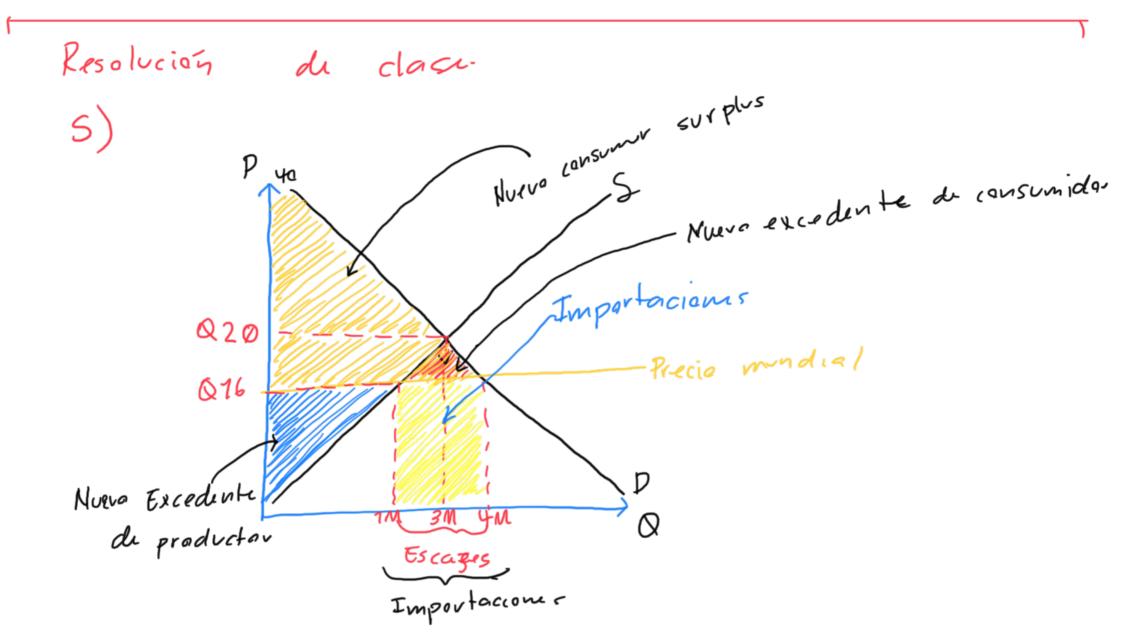
$$TMS = -\frac{UMx}{UMz} = \frac{-20xz}{10x^2} = \frac{-2z}{x}$$

13.33

$$-\frac{2z}{x} = -2$$

$$2 \neq = 2 \times$$

Fin Resolución.



$$IMP = (4M - 1M)($16)$$

$$= (3M)(16) = $48 M$$

E(sin anercio =
$$\frac{(40-20)(3)}{2} = 30M$$

E(comercio = $\frac{(40-16)(4)}{2} = 48M$

Peducción: Los consumidones salen ganando más, los productores perden.