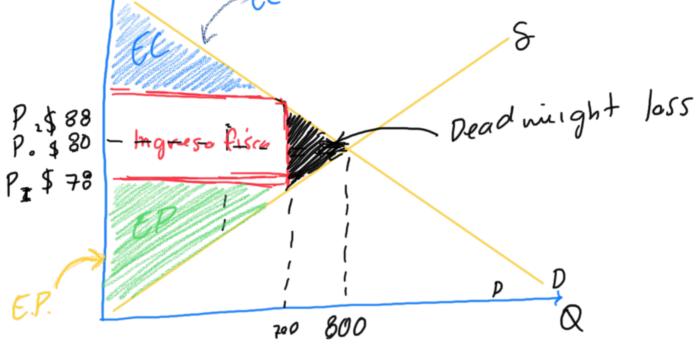
LABORATORIO #1 - DAVID CORZO - 20190432 - 2020-01-30

\$80 por habitación 800 habitaciónes \$10 de impresto por habitación \$88 tras impresto # habitacións cae a 700

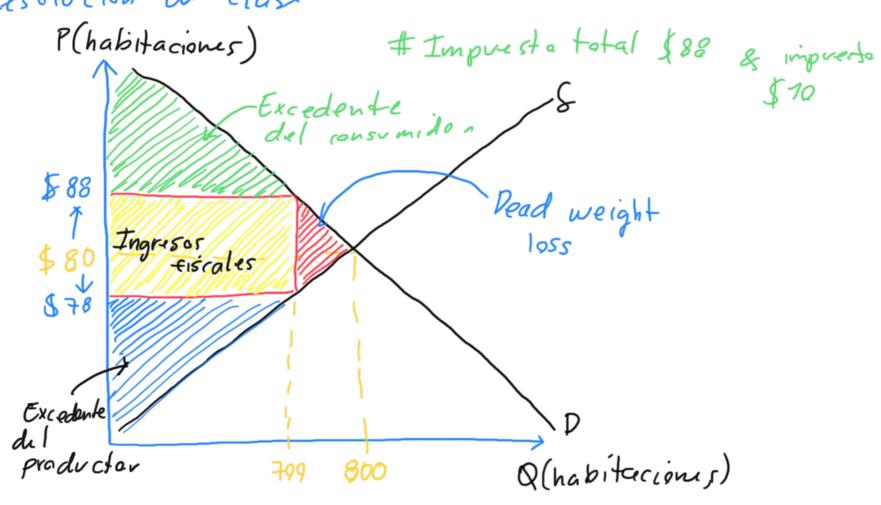




# Cálculo de ingresss fiscales

 $C_{IF} = 19 * 790 = 7,000$  de ingresos fiscoles en délons.  $D_{W} = 100 * 10 = 1,000 \cdot \frac{1}{2} = 5500$  de du ightoss

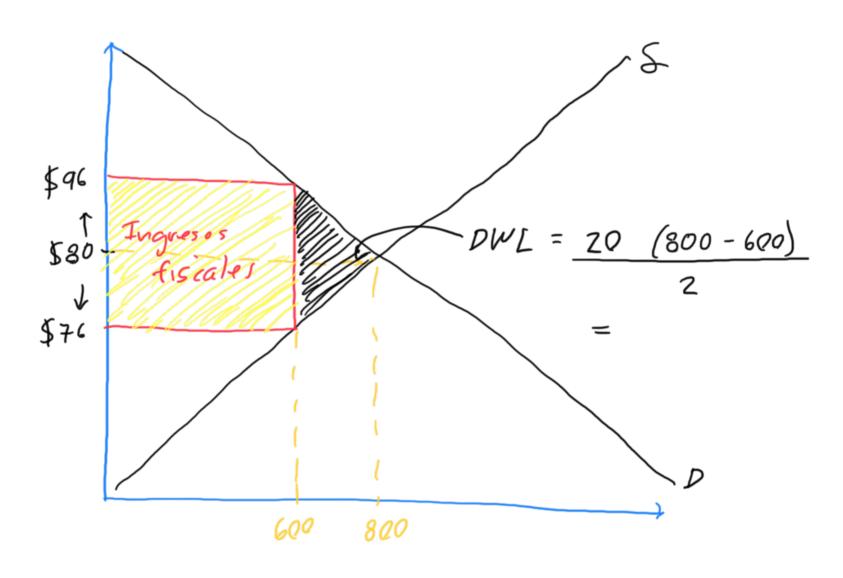
### Resolución de clase



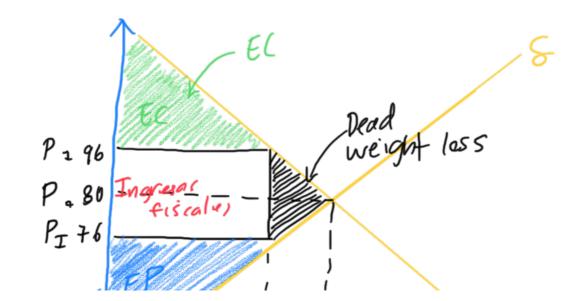
Dead weight loss = base \* altura
$$= 10 * (800-700)$$

$$= $500$$

# Qué pasa si el impresto es \$20



Fin resolución dace



$$600 \quad Q_b 800$$

$$\Delta = 600$$

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

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

$$Q = 1274.7 + 0.2 Y$$

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

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

# derivor respecto de Y

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

# Remplagar
$$E_{I} = \frac{\Delta Q}{\Delta Y} \cdot \frac{Y}{Q}$$

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

$$\mathcal{E}_{p} = \frac{AQ}{AP} \cdot \frac{P}{Q}$$

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

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

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

: Inelástico 1

(c) 
$$16.7 \cdot \frac{31}{12.75} \approx 0.393882.3529$$
  
: 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 = 
$$\frac{\Delta Q}{\Delta Y}$$
.  $\frac{Y}{Q}$ 

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

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

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

EY =  $\frac{Q}{Q}$   $\frac{Q}{Q}$ 

If (EY E |  $\frac{Q}{Q}$ )  $\frac{Q}{Q}$ 

bien normal;

3 else E

bien inforior

3

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

$$E_c = \Delta Q \cdot P_{PP}$$
 $\Delta P_{PP} \cdot Q$ 

# La divisida de Q can # Respecto al accite de palma.

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

biènes complementas;

Fin de gresolvaion

3) a) 
$$U = BC$$

# B, hamburguesas

# C, cigarros semanales

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

b) 
$$120 = 2B + 1($$

$$T_{MT} = -2$$

$$f\frac{B}{C} = f2$$

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

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

$$B = 2C$$

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

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

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

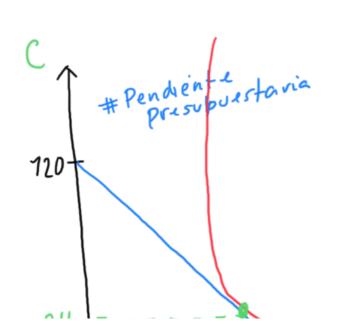
$$\frac{120}{5} = C$$

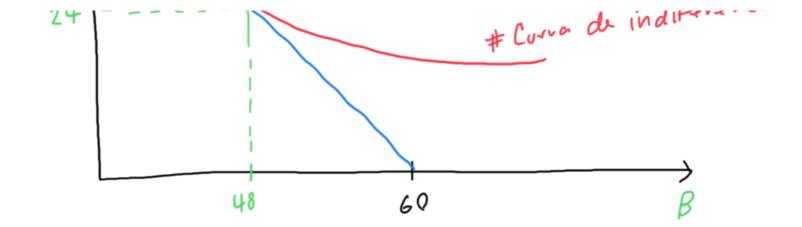
$$c = 24$$

$$120 = 2B + 24$$

$$120 - 24 = 2B$$

$$96 = 28$$





$$\frac{D}{C} = -3$$

#Impresto de \$3

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

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

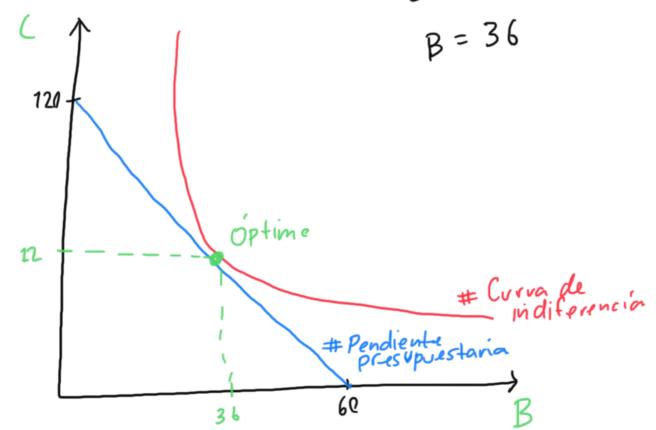
$$\beta = 3 C$$

$$120 = 3(3c) + C$$
  
 $120 = 9C + C$ 

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

$$120 = 3B + 12$$

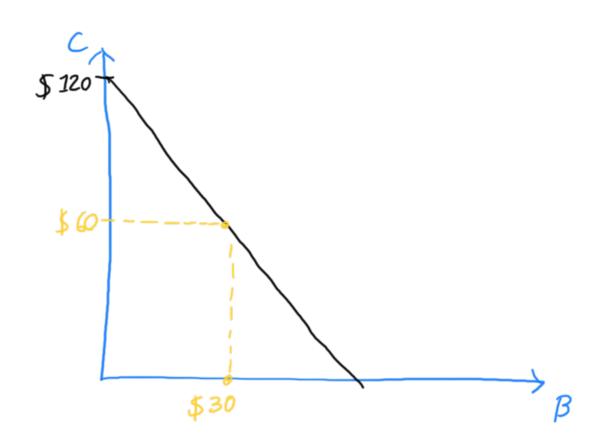
$$\frac{108}{3} = \beta$$



Resolución de clase:

# Restricción presuprestaria.

a) 
$$120 = 2B + C$$



b) 
$$TMT = P_B$$
 $P_C$ 

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

TMS = 
$$\frac{UM_B}{UM_C}$$

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

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

# Sustituir on restricción presuprestaria

$$120 = 2B + C$$

$$120 = 2B + 2B$$

$$30 = B$$

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

# a) Restricción presupuestavia:

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

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

#### b) TMT

$$T_{mt} = -\frac{10}{5} = -2$$

## C) TMS

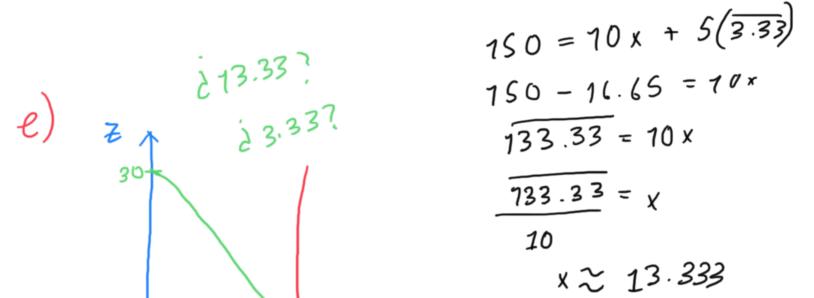
$$TMS = \frac{10x^2}{20x^2} = \frac{10x^2}{20x^2} = \frac{10x^2}{20x^2} = \frac{1}{20x^2} = \frac{1}{20x^2$$

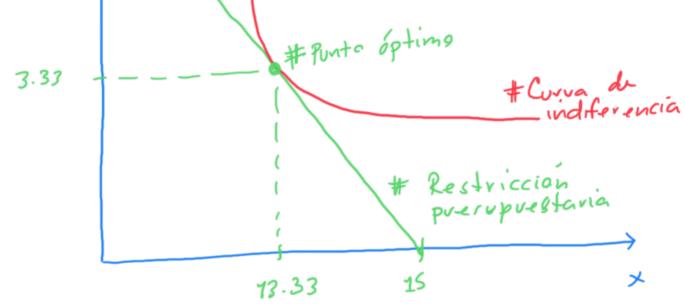
$$= \frac{x}{22} \qquad 150 = 402 + 52$$

$$4z = x$$
 
$$\frac{150}{45} = z$$

150 = 10x + SZ

150=10(42)+52





#### Resalvación 4.0).

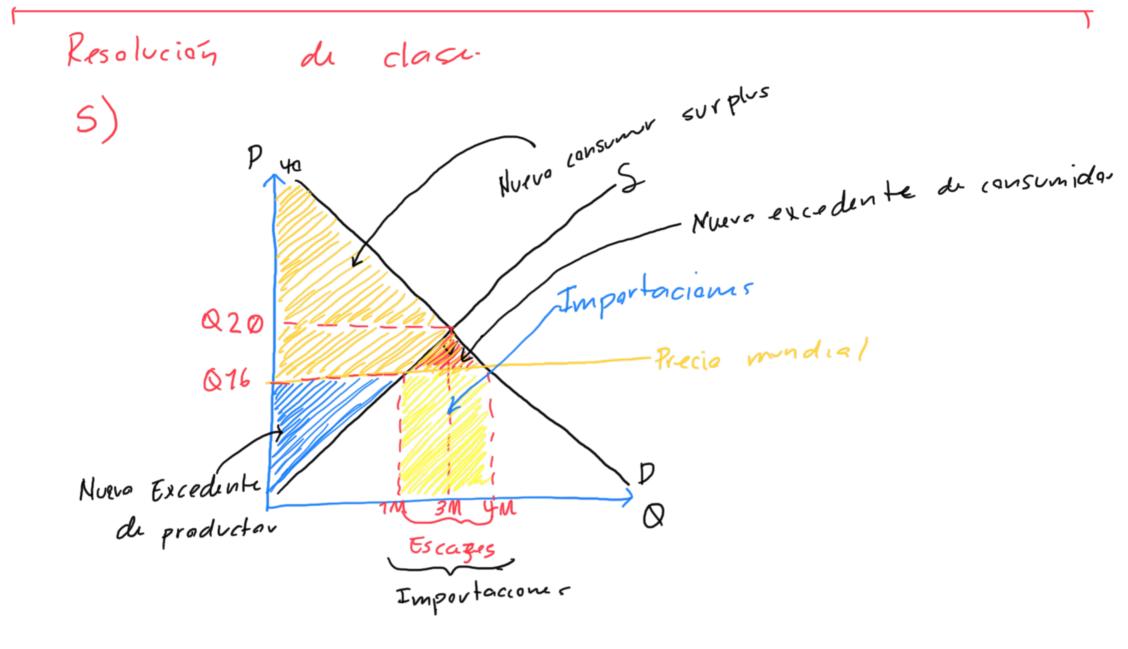
$$TMS = -\frac{UMx}{UMz} = \frac{-20xz}{10x^2} = \frac{-2z}{x}$$

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

$$2 \neq 2 \times$$

Ein a 1.22

TIVI Kesawciay.



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

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

E(sin anercio = 
$$\frac{(40-20)(3)}{2} = 30M$$
  
E(comercio =  $\frac{(40-16)(4)}{2} = 48M$ 

# Peducción: Los consumidores salen ganando más, los productores perden.