

1a) Mercado perfectamente competitire

Demanda de mercado:

Oferta:

Costor totales:

$$CT = 50 + 49 + 29^{2}$$

¿ P* & Q*?

$$CT_{P} = \frac{1}{9} \left(50 + 49 + 29^{2} \right)$$
$$= \frac{50}{9} + 4 + 29$$

Devivar CTP

$$\frac{\partial CT_{p}}{\partial q} = -\frac{50}{q^{2}} + 2 = 0$$

$$2 = \frac{50}{q^{2}}$$

$$2q^{2} = 50$$

$$q^{2} = \frac{50}{2}$$

$$q = \pm \sqrt{25}$$

$$q = \pm \sqrt{25}$$

$$q = 5$$

$$CT_{p} = \frac{1}{5} \left(50 + 4(s) + 2(s)^{2} \right)$$

$$= \frac{1}{5} \left(50 + 40 + 60 \right)$$

$$= \frac{120}{5} = 24$$

$$24 = 100 - 40$$

$$Q = \frac{1}{4} (100 - 24)$$

$$Q = 19$$

1b)
$$\pi = \text{IT} - CT$$

= $(9*)(P*) - CT$
= $(5)(24) - (50 + 4(5) + 2(5)^2)$
= $120 - 120 = 0$

A large plaze las utilidades son O na gana ni pierde

1c) Perfectamente competitive no existe pero pueden sur my competitivas las en presas de agricultura o de bienes base.

$$CM = 2$$

Demanda:
$$p = 1,000 - 0.5(q_1 + q_2)$$

Si: $q_2 = 100$

$$P = 1,000 - 0.5(q_1 + 100)$$

$$2 = 1,000 - 2(0.5)q_1 - 50$$

$$P = 50 - 20$$
 $CT = 10 + 29$

| Q | Р | Т | EC |
|----|----|-----|-----|
| 12 | 26 | 278 | 144 |

$$IM = 60 - 40 = 2$$

$$50 - 40 = 2$$

$$50 - 2 = 40$$

$$\frac{48}{4} = 0$$

$$E(= \frac{12(50-26)}{2} = 144$$

$$P = 50 - 2(12)$$

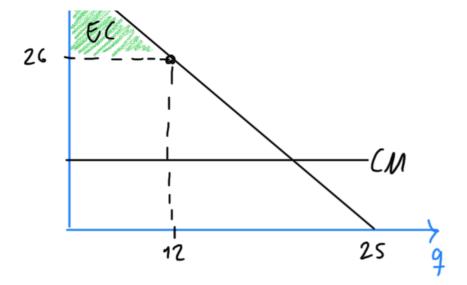
= 26

$$T = IM - (T(12))$$

$$= (12)(26) - (10 + 2(12))$$

$$= 312 - 34$$

$$= 278$$



| 41 | 9-2 | Q | P | #1 | π2 | nt total | EC |
|----|-----|----|----|-----|-----|----------|-----|
| 8 | පි | 16 | 18 | 118 | 118 | 246 | 128 |

$$P = 60 - 2(q_1 + q_2)$$

$$IM = 60 - 4q_1 - 2q_2 = 2m$$

$$\frac{1}{4}(60 - 2q_2 - 2) = q_1$$

$$\frac{1}{2}(60 - 2q_2 - 2) = q_1$$

$$\frac{1}{2}(60 - 2q_2 - 2) = q_1$$

$$50 - 291 - 492 = 2$$

$$-2+50 - 291 = 492$$

$$\frac{12}{2} = 92$$

$$12 - \frac{1}{2} \left(12 - \frac{91}{2} \right) = 91$$

$$12 - 6 + \frac{91}{4} = 91$$

$$6 + \frac{91}{4} = 91$$

$$6 = .7591$$

$$\frac{6}{.75} = 91$$

$$Q = 8 + 8 = 16$$

$$P = 50 - 2(16)$$

= 50 - 32
= 18

$$T_1 = Pq_1 - (T$$

$$= (18)(8) - (10 + 2 (8))$$

$$= 118$$
 $T_2 = 118$

$$TT = (P)(Q) - CT$$
= (18) (16) - (10+2(16))
= 246

$$\frac{(50-18)(8)}{2} = \frac{32(8)}{2} = 128$$

$$P=18$$

$$q_{i}=8$$

$$q_{i}=8$$

$$4 = 0.02 \, Y - 2 \, P$$

$$Y = 7500$$

$$P = 30$$

$$9 = 0.02(7500) - 2(30)$$

= 90

$$\Delta q = q_1 (P_2 - P_1)$$

$$= 90 (40 - 30) = 900$$

$$4d$$
)
$$4 = 0.02(7500) - 2(40)$$

$$= 70$$

Disminigé 20 potelles de mandades

$$Es = q(P_2Y_1) - q(P_2Y_2) = 70 - 88 = -18$$

EI dismingó su demande

Es disninaçõe su demanda

5) (ompetencia manapolistica:

- vender visinos productor
- hacen un manopolie mediante diferençações
- mucha competoncia
- Old Naxy pudo entrar al murcado de un dia para otro.