

# MONOPOLIO

$$P = 150 - Q$$

$$TC = 50 + 6Q + Q^2$$

$$MC = 6 + 2Q$$

$$MR = 150 - 2Q$$

$$\begin{aligned} TR &= (150 - Q)Q \\ &= 150Q - Q^2 \end{aligned}$$

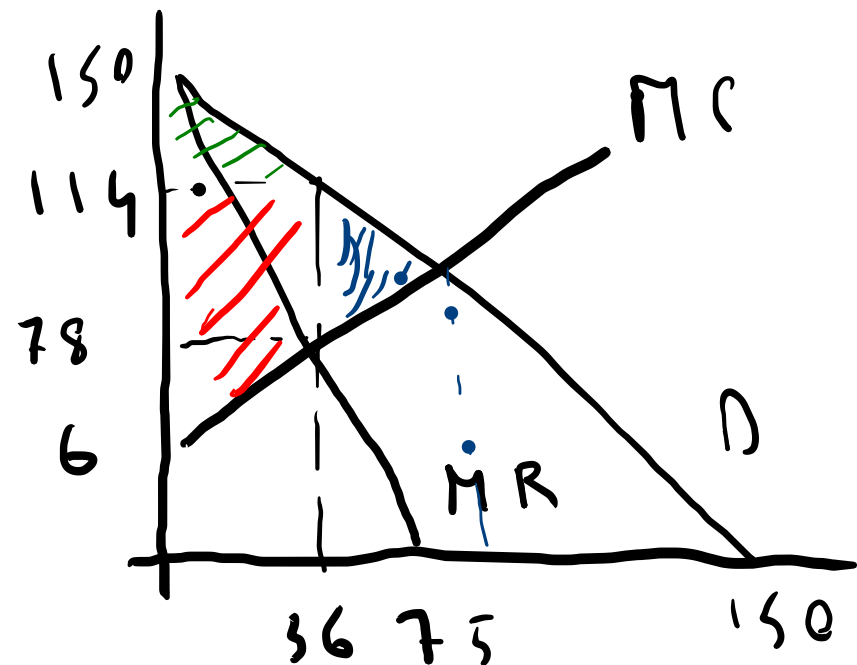
$$\text{FOC } MR = MC$$

$$150 - 2Q = 6 + 2Q$$

$$4Q = 144$$

$$Q = \frac{144}{4} = 36$$

$$\begin{aligned} P &= 150 - 36 \\ &= 114 \end{aligned}$$



$$\begin{aligned} \pi &= \overset{TR}{114 \cdot 36} - \overset{TK}{(50 + 6 \cdot 36 + 36^2)} \\ &= 4104 - 50 - 216 - 1296 \\ &= 2556 \end{aligned}$$

$$Q = 150 - P$$

$$\frac{\Delta Q/Q}{\Delta P/P} = \eta = \frac{dQ}{dP} \frac{P}{Q} = -1 \frac{114}{36} = -3,1$$

$$\text{MARK-UP} = 0,31 \Rightarrow \frac{P - MC(Q^*)}{P} = \frac{144 - 78}{144} = 0,31$$

①

$$P = 246 - 3Q$$

$$TC = 50 + 6Q + Q^2$$

$$MC = 6 + 2Q$$

$$MR = 246 - 6Q$$

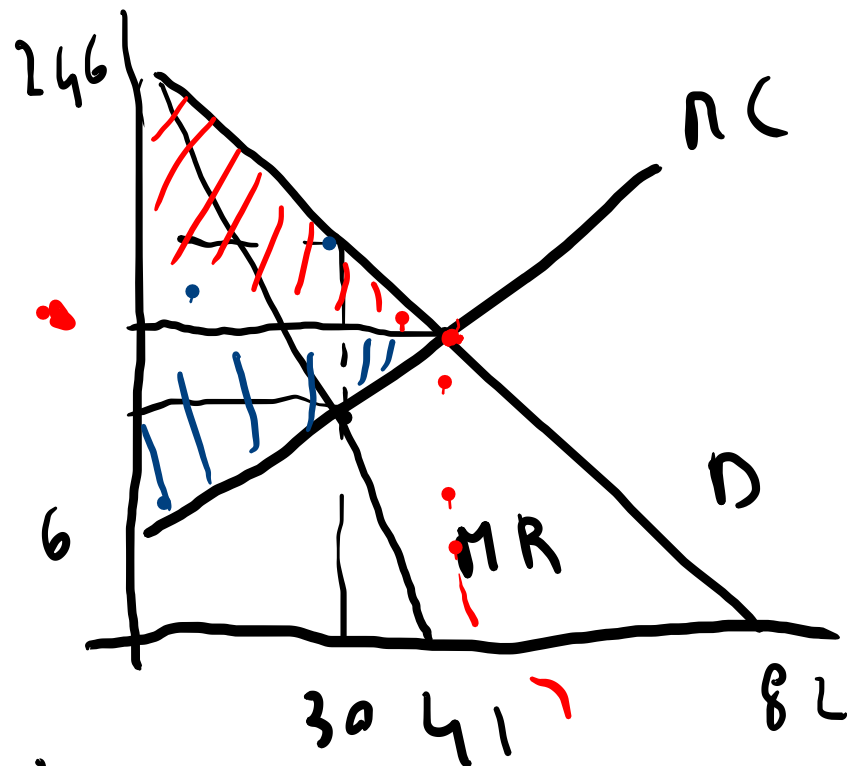
$$TR = 246Q - 3Q^2$$

$$Q^{*Q} = \frac{240}{8} = 30$$

$$P^{*P} = 246 - 90 = 156$$

$$* P = MC$$

$$246 - 3Q = 6 + 2Q$$



$$\pi = 156 \cdot 30 - 50 - 6 \cdot 30 - 30^2 = 3550$$

$$M = -\frac{1}{3} \frac{156}{30} = -1,73$$



$$Q = \frac{82}{11} - \frac{1}{3} P$$

$$\frac{246}{3}$$

$$\text{MARK-UP} = 0,5 +$$

$$M(Q^{KK} = 30) = 6 + 2 \cdot 30$$

$$= 66$$

$$\frac{156 - 66}{156} = 0,5 +$$

2022

ALL 10.000

AGR 5 000

2 000

RECUPITO 1 000

Ⓐ  $BS = 12000$

$BS^* = 10 + 5 - 1 = 14000$

Ⓑ DIRITTI ALL'ALL.

$MIN_P^{ALL} = 1000$

$MAX_P^{AGR} = 3000$

ALL 10000

AGR  $\frac{5000 - 1000}{14000}$

$10000 + X = 3000 - X$

$2X = 7000$

$X = 3500$

ALL 13500

AGR 1500

1000

14000

DIRITTI AGR)

$$\text{MIN}_P^{\text{AGR}} = 3000$$

$$\text{MAX}_P^{\text{ALL}} = 1000$$

$$\text{ALL } 10000 - 1000 = 9000$$

$$\begin{array}{r} \text{AGR} \quad \quad \quad 5000 \\ \hline \Rightarrow 14000 \end{array}$$

$$10000 - X = 3000 + X$$

$$2X = 7000$$

$$X = 3500$$

$$\text{ALL } 10000 - 3500 = 6500$$

$$\text{AGR } 8500$$

$$\hline 14000$$

2022

- ④
- ⑤
- ⑥

