

ΟΙΚΟΝΟΜΙΑ Γ ΛΥΚΕΙΟΥ

4/10/25

ΠΑΛΙΑ ΤΑΥΤΟΤΗΤΑ

ΟΜΑΔΑ Α

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AG α

A7 δ

ΟΜΑΔΑ Β

B₁ ΕΧΘΙΛΩ ΣΕΛ 53-54

B₂ ΕΧΘΙΛΩ ΣΕΛ 57 κτλ 59

B₃ ΕΧΘΙΛΩ ΣΕΛ 54

ΟΜΑΔΑ Α

<u>SL</u>	P	Q ₀	Y	ΣΔ
A	6	(60)	2000	(360)
B	10	84	3000	(840)
C	4	210	3000	(840)
D	12	(36)	2000	(432)
E	12	70	3000	(840)

$$\epsilon_Y(1-Q) = \frac{\Delta Q}{\Delta Y} \frac{Y_L}{Q_1} = 17/9 \Leftrightarrow \frac{70-Q_D}{3000-2000} \cdot \frac{2000}{Q_D} = 17/9 \rightarrow$$

$$\underline{Q_D = 36}$$

$$\epsilon_D(1-Q) = \frac{\Delta Q}{\Delta P} \frac{P_1}{Q_1} = -94 \rightarrow \frac{36-Q_A}{12-6} \cdot \frac{6}{Q_A} = -94 \rightarrow$$

$$\underline{Q_A = 60}$$

$$\epsilon_{XU} \quad \Sigma \Delta = P \cdot Q$$

$$\underline{ΑΡΑ} \quad \Sigma \Delta_A = 6 \cdot 60 = 360$$

$$\Sigma \Delta_B = 10 \cdot 84 = 840$$

$$\Sigma \Delta_C = 4 \cdot 210 = 840$$

$$\Sigma \Delta_D = 12 \cdot 36 = 432$$

$$\Sigma \Delta_E = 12 \cdot 70 = 840$$

Β2. $\epsilon_{XU} = 2$ ΕΛΜΟΥΛΕΣ 2474ΕΚΕ

ΓΙΑ $Y = 2000 \text{ €}$ ΕΙΝΑΙ ΓΡΑΜΜΙΚΗ (ΟΧΙ ΣΤΑΘΕΡΗ)

ΓΙΑ $Y = 3000 \text{ €}$ ΕΙΝΑΙ ΙΣΟΕΚ. ΥΠΕΡΒΟΛΗ (ΣΤΑΘΕΡΗ)

Β3 i) $Q_D = \alpha + \beta P$ (1)

$$\left. \begin{array}{l} \textcircled{1} \xrightarrow{\textcircled{A}} 60 = \alpha + 6\beta \\ \textcircled{1} \xrightarrow{\textcircled{B}} 36 = \alpha + 12\beta \end{array} \right\} \textcircled{-} \quad 24 = -6\beta \rightarrow \underline{\beta = -4}$$

$$60 = \alpha - 4 \cdot 6 \rightarrow \underline{\alpha = 84}$$

ΑΡΑ $Q_D = 84 - 4P$

$$ii) \Sigma D = 840 = A$$

$$ΑΠΑ \quad Q_D = \frac{A}{P} \quad \text{ΔΗΛΑΔΗ} \quad Q_D = \frac{840}{P}$$

Δ4. Στο Δ-Ε ΑΥΞΗΝΟΥΝΤΑΙ Η ΖΗΤ. ΠΟΣΟΤΗΤΑ
ΜΕ P ΣΤΑΘΕΡΗ ΟΤΑΝ Υ ↑

ΑΠΑ 70 ΑΓΑΘΟ ΕΠΙΧΟΡΙΚΟ!

ΕΠΙΧΟΡΙΚΟ ΜΕ P ΣΤΑΘΕΡΗ $Q_E > Q_D$ ΑΠΑ
ΚΗ $P_A Q_D < P_E Q_E$

Δ5. i) ΣΥΧΟΡΙΚΟ ΣΕΛ. 40

ii) ΣΥΧΟΡΙΚΟ ΣΕΛ. 46

ΟΜΑΔΑ Δ

Δ1.	Q	TC	FC	VC	AVC	MC
	0	40	40	0	-	-
	10	70	40	30	3	3
	20	80	40	40	2	1
	30	110	40	70	2,3 2,33	3
	40	150	40	110	2,75	4

ΓΙΑ $Q=0$ $ΓΚ = FC = TC = 40$

ΕΠΙΣΤΗΣ ΕΕ ΚΑΘΩΣ ΓΡΑΜΜΗΤ ΙΣΧΥΕΙ $VC = TC - FC$

$$AVC = \frac{VC}{Q}$$

$$MC = \frac{\Delta VC}{\Delta Q}$$

APC < MC

$$MC \text{ and } MC \geq AVC$$

$$Q \text{ and } P = MC \text{ and } MC \geq AVC$$

	P	Qs
A	3	30
B	4	40

$$Q_s = \gamma + \delta P \quad (1)$$

$$\begin{cases} \textcircled{1} \textcircled{A} & 30 = \gamma + 3\delta \\ \textcircled{1} \textcircled{B} & 40 = \gamma + 4\delta \end{cases} \Rightarrow \underline{\delta = 10}$$

$$40 = \gamma + 40 \Rightarrow \gamma = 0$$

$$\underline{AP_A} \quad \underline{Q_s = 10P}$$

$$\Delta 2. \quad \epsilon_{s10} = \frac{\Delta Q}{\Delta P} \frac{P_A + P_B}{Q_A + Q_B} = 10 \cdot \frac{3+4}{30+40} = 10 \cdot \frac{7}{70} = 1$$

$$\Delta 3. \quad \epsilon_{s10} = -1 \Rightarrow \epsilon_D = -1 \Rightarrow$$

$$\frac{\Delta Q}{\Delta P} \frac{P}{Q} = -1 \Rightarrow B \cdot \frac{1}{30} = -1 \Rightarrow \underline{B = -30}$$

$$\underline{AP_A} \quad Q_D = a - 30P$$

$$150 = a - 30 \cdot 5 \Rightarrow \underline{a = 300}$$

$$\underline{AP_A} \quad \underline{Q_D = 300 - 30P}$$

$$4. \quad Q_D = Q_s \quad \underline{AP_A} \quad 300 - 30P_0 = 10P_0$$

$$300 = 40P_0 \Rightarrow$$

$$P_0 = 7.5 \text{ €}$$

$$Q_0 = 10 \cdot 7,5 = 75 \text{ μ.η.}$$

$$\Delta \mathcal{E} \quad \epsilon_x = \epsilon_y = 2 \rightarrow \frac{\frac{\Delta Q}{Q} \cdot 100\%}{\frac{\Delta Y}{Y} \cdot 100\%} = 2$$

$$\text{ΑΠΑ} \quad \frac{\Delta Q}{Q} \cdot 100\% = 2 \cdot 10\% = 20\%$$

$$\text{ΑΠΑ} \quad Q_0' = Q_0 + 20\% \cdot Q_0 \rightarrow$$

$$Q_0' = 1,2 Q_0 = 1,2 (300 - 30P)$$

$$\underline{Q_0' = 360 - 36P}$$

$$Q_s' = Q_s + 20\% \cdot Q_s \rightarrow Q_s' = 1,2 Q_s$$

$$Q_s' = 1,2 (10P)$$

$$\underline{Q_s' = 12P}$$

$$Q_0' = Q_s' \rightarrow 360 - 36P_0' = 12P_0'$$

$$360 = 48P_0' \rightarrow$$

$$P_0' = 7,5 \text{ €}$$

$$Q_0' = 12 \cdot 7,5 = 90 \text{ μ.η.}$$