

ΟΙΚΟΝΟΜΙΑ

ΓΛΥΚΟΥ

5/4/25

ΟΜΑΔΑ Α

A1 Σ

A6 δ

A2 Σ

A7 γ

A3 Λ

A4 Λ

A5 Λ

ΟΜΑΔΑ Β

B1. ΣΧΟΛΙΚΟ ΣΕΛ. 9

B2. ΣΧΟΛΙΚΟ ΣΕΛ. 16

B3. ΣΧΟΛΙΚΟ ΣΕΛ. 18

ΘΕΜΑ 5

P QD

A 5 220

B 9 204

Γ1 ΓΡΑΜΜΙΚΗ ΣΥΝΑΡΤΗΣΗ ΑΠΑ: $Q_D = \alpha + \beta P$ (1)

$$\textcircled{1} \xrightarrow{A} 220 = \alpha + 5\beta \quad \textcircled{-} \quad 16 = -4\beta \leadsto \underline{\underline{\beta = -4}}$$

$$\textcircled{1} \xrightarrow{B} 204 = \alpha + 9\beta \quad \textcircled{+} \quad 220 = \alpha - 5 \cdot 4 \leadsto$$

$$220 = \alpha - 20 \leadsto$$

$$\alpha = 240$$

ΑΡΑ $Q_D = 240 - 4P$ (1)

(P2) $Q_D \xrightarrow{P=15} 240 - 4 \cdot 15 = 180$

ΑΡΑ	€κς	P	Q _D
A	5	5	220
Γ	15	15	180

$$\epsilon_D(A-\Gamma) = \frac{\Delta Q}{\Delta P} \frac{P_A + P_\Gamma}{Q_A + Q_\Gamma} = -4 \cdot \frac{5+15}{220+180} = -4 \cdot \frac{20}{400} = -1/5 = -0,2$$

(Γ3) $\Sigma \Delta A = P_A Q_A = 5 \cdot 220 = 1100 \text{ €}$

$\Sigma \Delta \Gamma = P_\Gamma Q_\Gamma = 15 \cdot 180 = 2700 \text{ €}$

$\text{ΜΕΤΑΒΟΛΗ} = 2700 - 1100 = 1600 \text{ €}$

$\epsilon_{\kappa\varsigma} |\epsilon_{D\Gamma\text{ος}}| = 0,2 < 1$ ΑΡΑ ΑΝΕΛΑΣΤΙΚΗ ΖΗΤΗΣΗ

Η $\Sigma \Delta \uparrow$ ΚΑΤΑ 1600€ ΓΙΑΤΙ ΕΝΗΡΓΕΥΣΤΗΚΑΝ ΑΝΟ ΤΙΝΕ ΜΕΤΑΒΟΛΗ ΤΗΣ ΤΙΜΗΣ

(Γ4) $\epsilon_{\kappa\varsigma} \epsilon_D = -2 \leadsto \frac{\Delta Q_x / P_x}{\Delta P_x / Q_x} = -2 \leadsto$

$\downarrow$
 $-4 \frac{P_x}{Q_x} = -2 \leadsto 2P_x = Q_x$ (2)

(1) $\xrightarrow{(2)} 2P_x = 240 - 4P_x \leadsto 6P_x = 240 \leadsto \underline{P_x = 40}$

(2) $\xrightarrow{P_x=40} \underline{Q_x = 2 \cdot 40 = 80}$

(15)

ΜΟΣΧΑΡΙΣΙΟ Κ' ΧΟΙΡΙΝΟ ΚΡΕΑΣ

ΥΠΟΛΟΓΙΣΜΑΤΑ

ΑΡΑ ΑΦΟΥ Ρ ΧΟΙΡΙΝΟΥ ↓ 2016 ΕΞΕ

↓ ΤΗΣ ΖΗΤΗΤΗΣ ΤΟΥ ΜΟΣΧΑΡΙΣΙΟΥ

$$\text{ΕΠΟΜΕΝΩΣ } Q_D' = Q_D - 25\% \cdot Q_D$$

$$\text{ΑΡΑ } Q_D' = 75\% \cdot Q_D$$

$$Q_D' = 0,75 (240 - 4P)$$

$$\text{ΑΡΑ } Q_D' = 180 - 3P$$

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	3
	40	150	40	110	2,75	4

ΓΙΑ $Q=0$ $FC=TC=40$

ΕΠΙΣΤΗ ΕΞ ΚΑΘΕ ΓΡΑΜΜΗ ΙΣΧΥΕΙ $VC=TC-FC$

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

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

MPGME

$$MC \text{ AND } \pi \geq AVC$$

$$Q \text{ AND } P = MC \dots \text{ETC} \dots \pi =$$

	P	Qs
A	3	30
B	4	40

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

$$\begin{aligned} (1) \quad (A) \quad 30 &= \gamma + 3\delta \\ (1) \quad (B) \quad 40 &= \gamma + 4\delta \end{aligned} \quad \} \Rightarrow \underline{\delta = 10}$$

$$40 = \gamma + 40 \rightarrow \gamma = 0$$

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

$$\Delta 2. \quad \epsilon_{S10} = \frac{\Delta Q}{\Delta P} \frac{P_A + P_B}{Q_A + Q_B} = 10 \cdot \frac{3+4}{30+40} = 10 \cdot \frac{7}{70} = 1$$

$$\Delta 3. \quad \Sigma 10 \text{ MEGG } \epsilon_{\pi} = \epsilon_D = -1 \rightarrow$$

$$\left(\frac{\Delta Q}{\Delta P} \right) \frac{S}{150} = -1 \rightarrow 8 \cdot \frac{1}{30} = -1 \rightarrow \underline{8 = -30}$$

$$APA \quad Q_D = 2 - 30P$$

$$150 = 2 - 30 \cdot 5 \rightarrow \underline{\alpha = 300}$$

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

$$\Delta 4. \quad Q_D = Q_s \quad APA \quad 300 - 30P_0 = 10P_0$$

$$300 = 40P_0 \rightarrow$$

$$P_0 = 7.5 \in$$

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

$$\Delta 5. \quad \epsilon_x = 2 \rightarrow \frac{\frac{\Delta Q}{Q} \cdot 100\%}{\frac{\Delta P}{P} \cdot 100\%} = 2$$

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

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

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

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

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

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

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

$$Q_D' = Q_S' \rightarrow 360 - 36P_0' = 12P_0'$$

$$360 = 48P_0' \rightarrow$$

$$P_0' = 7,5 \text{ €}$$

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