

ΟΙΚΟΝΟΜΙΑ 11/3/23

ΛΑΓΙΑ ΖΗΤΗΜΑΤΑ

ΟΜΑΔΑ Α

A1	Λ	A6	γ
A2	Σ	A7	α
A3	Σ		
A4	Σ		
A5	Λ		

ΟΜΑΔΑ Β

Σκοπός ΣΕΛ. 182

ΟΜΑΔΑ Γ

Ε702	ΑΕΠ7P	ΔΤ	ΑΕΠ6T
2018	1500	100	1500
2019	1875	125	1500
2020	1680	120	1400

Π1 $\Delta T = 100$ ΑΠΑ $\frac{ΑΕΠ7P}{ΑΕΠ6T} = \frac{1500}{1500}$

$\frac{ΑΕΠ6T,9}{125} = \frac{1875}{125} \cdot 100 = 1500$

$\Delta T_{20} = \frac{ΑΕΠ7P}{ΑΕΠ6T} \cdot 100 = \frac{1680}{1400} \cdot 100 = 120$

2. €x = €702 BAESTE 2019

$$APA \quad AEN_{67,19} = AEN_{70,19} = \underline{1875}$$

GIA 2018

$$\left. \begin{array}{l} 125 \rightarrow 100 \\ 100 \rightarrow x \end{array} \right\} \begin{array}{l} 125x = 10000 \rightarrow \\ \underline{x = 80} \end{array}$$

$$APA \quad AEN_{67,18} = \frac{1500}{80} \cdot 100 = \underline{1875}$$

GIA 2020

$$\left. \begin{array}{l} 125 \rightarrow 100 \\ 120 \rightarrow x \end{array} \right\} \begin{array}{l} 12000 = 125x \rightarrow \\ \underline{x = 96} \end{array}$$

$$APA \quad AEN_{67,20} = \frac{1680}{96} \cdot 100 = \underline{1750}$$

3. a. $AEN_{67,20} - AEN_{67,19} = 1400 - 1500 = -100$

b. $\frac{AEN_{67,20} - AEN_{67,19}}{AEN_{67,19}} \cdot 100\% = \frac{1750 - 1875}{1875} \cdot 100\% = -6,67\%$

Γ_4	ϵ_{702}	$\kappa\kappa\alpha\theta\alpha_{72}$	ΔT	$\kappa\kappa\alpha\theta\alpha_{67}$
	2021	5600	100	5600
	2022	5600	80	7000

ϵ_{702} ΒΑΣΗ 2021 ΑΡ1 $\Delta T = 100$
 ΚΑ $\kappa\kappa\alpha\theta\alpha_{67} = \kappa\kappa\alpha\theta\alpha_{72} = 5600$

$$\Delta T_{22} = \Delta T_{21} + 10\% \cdot \Delta T_{21} = 0,8 \Delta T_{21} = 0,8 \cdot 100 = \underline{80}$$

$$A\theta\alpha_{722} = A\theta\alpha_{721} + 10\% \cdot A\theta\alpha_{721} = 1,1 A\theta\alpha_{721} =$$

$$n\lambda_{22} = n\lambda_{21} + 10\% \cdot n\lambda_{21} = 1,1 n\lambda_{21}$$

$$\epsilon_{8} = \frac{\kappa\kappa\alpha\theta\alpha_{722}}{n\lambda_{22}} = \frac{A\theta\alpha_{722}}{1,1 n\lambda_{21}} = \frac{1,1 A\theta\alpha_{721}}{1,1 n\lambda_{21}} = \kappa\kappa\alpha\theta\alpha_{21} = \underline{5600}$$

ΚΑ

$$\kappa\kappa\alpha\theta\alpha_{6722} = \frac{\kappa\kappa\alpha\theta\alpha_{722}}{\Delta T_{22}} \cdot 100 = \frac{5600}{80} \cdot 100 = \underline{7000}$$

ΑΡΑ Η ΜΟΤΗΒΟΛΗ $\frac{\kappa\kappa\alpha\theta\alpha_{6722} - \kappa\kappa\alpha\theta\alpha_{6721}}{\kappa\kappa\alpha\theta\alpha_{6721}} \cdot 100\% =$

$$\frac{7000 - 5600}{5600} \cdot 100\% = \frac{1400}{5600} \cdot 100\% = \underline{\underline{25\%}}$$

ΟΜΑΔΑ Δ

ΔL	P	Qs
A	50	100
B	55	120

$\epsilon_s = 2$

$$\epsilon_{s1} = \frac{\Delta Q}{Q_A} \cdot \frac{P_A}{Q_A} = \frac{Q_B - 100}{55 - 50} \cdot \frac{50}{100} = 2 \Rightarrow \frac{Q_B - 100}{10} = 2 \Rightarrow \underline{\underline{Q_B = 120}}$$

AP4.

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

$$\left. \begin{array}{l} (1) \xrightarrow{A} 100 = \gamma + 50\delta \\ (1) \xrightarrow{B} 120 = \gamma + 55\delta \end{array} \right\} 20 = 5\delta \leadsto \underline{\delta = 4}$$

$$100 = \gamma + 50 \cdot 4 \leadsto \underline{\gamma = -100}$$

AP4.

$$\underline{Q_s = -100 + 4P}$$

Δ2

α. ΟΤΑΝ ↓ ΟΙ ΤΙΜΕΣ Σ.Π 2026

↓ ΤΟ ΚΟΣΤΟΣ ΠΑΡΑΤΕΡΕΙΤΕ ΑΡ4

↑ Η Σ.Π Η ΚΑΜΥΛΗ ΜΟΤΑΓΩΝΙΖΕΤΑΙ

ΔΕ=14!

$$β. Q_s' = Q_s + 50\% Q_s \leadsto Q_s' = 1,5 Q_s$$

$$Q_s' = 1,5(-100 + 4P)$$

$$\underline{Q_s' = -150 + 6P}$$

Δ3

$$Q_s' = Q_D \leadsto -150 + 6P_0 = 350 - 4P_0 \leadsto$$

$$10P_0 = 500 \leadsto$$

$$P_0 = 50$$

$$Q_0 = -150 + 6 \cdot 50 = \underline{150}$$

Δ4

$$Q_s' = -150 + 6P$$

$$Q_D = 350 - 4P$$

$$\text{ΓΙΑ } Q_s = 0 \quad 6P = 150 \leadsto P = 25$$

$$\text{ΓΙΑ } Q_D = 0 \quad 4P = 350 \leadsto P = 87,5$$

