

ΑΣΚ 2 - ΣΕΙ 105

ΚΕΦ. 5^ο

P	Q _D	Q _S	E _D	E _S	Πλεόνασμα
16p. (80)	40	40	-1,5	0,5	
P _K → 100	X ₁ =; (25)	X ₂ =; (45)			

$$E_D = \frac{\Delta Q}{\Delta P} \cdot \frac{P_1}{Q_1} \Rightarrow -1,5 = \frac{X_1 - 40}{100 - 80} \cdot \frac{80}{40} \Rightarrow X_1 = 25$$

$$E_S = \frac{\Delta Q}{\Delta P} \cdot \frac{P_1}{Q_1} \Rightarrow 0,5 = \frac{X_2 - 40}{100 - 80} \cdot \frac{80}{40} \Rightarrow X_2 = 45$$

ΕΤΟΥ P_K = 100 : 20 πλεόνασμα = Q_S - Q_D = 45 - 25 = (20) τ'ονοι

ΑΣΚ 4^η - ΣΕΙ 105

P	Q _D	Q _S	E _D	E _S
8	300	200	-0,4	0,4
16p. P ₀ = (12)	Q ₀ = (240)	Q ₀ = (240)	-	-

P = ;
πλεόνασμα = 200

$$\checkmark E_D = -0,4 \Rightarrow -0,4 = \frac{Q_0 - 300}{P_0 - 8} \cdot \frac{8}{300} \Rightarrow 8Q_0 + 120P_0 = 3.360 \quad (1)$$

$$\checkmark E_S = 0,4 \Rightarrow 0,4 = \frac{Q_0 - 200}{P_0 - 8} \cdot \frac{8}{200} \Rightarrow 8Q_0 + 80P_0 = 960 \quad (2)$$

P	Q _D
P ₁ = 8	Q ₁ = 300
P ₂ = 12	Q ₂ = 240

ΕΤΟΥ (1): 8Q₀ + 120 · 12 = 3360 ⇒ Q₀ = 240 / 16p

Συνάρτηση ζήτησης: $\frac{Q_D - Q_1}{P - P_1} = \frac{Q_2 - Q_1}{P_2 - P_1} \Rightarrow \frac{Q_D - 300}{P - 8} = \frac{240 - 300}{12 - 8} \Rightarrow Q_D = 420 - 15P$ ✓

Συνάρτηση προσφοράς: $\frac{Q_S - Q_1}{P - P_1} = \frac{Q_2 - Q_1}{P_2 - P_1} \Rightarrow \frac{Q_S - 200}{P - 8} = \frac{240 - 200}{12 - 8} \Rightarrow Q_S = 120 + 10P$ ✓

Πλεόνασμα = 200 τ'ονοι: $Q_S - Q_D = 200 \Rightarrow 120 + 10P - (420 - 15P) = 200 \Rightarrow 25P = 500 \Rightarrow P = 20$