

ΟΜΑΔΑ ΤΕΤΑΡΤΗ

2012
47

| Y | P ₀ | Q ₀ | E _Y |
|--------|----------------|----------------|----------------|
| 40.000 | 60 | 200 | 3 ✓ |
| 44.000 | 80 | 240 | ✓ |
| 44.000 | 60 | 260 | |

| P | Q |
|----|-----|
| 60 | 200 |
| 80 | 240 |

Δ₁ $Q_s = \gamma + \delta P$

$$\frac{Q_s - 200}{P - 60} = \frac{240 - 200}{80 - 60} \Rightarrow Q_s = 80 + 2P$$

$$\begin{aligned} 200 &= \gamma + \delta \cdot 60 \\ 240 &= \gamma + \delta \cdot 80 \end{aligned}$$

$$200 = \gamma + 2 \cdot 60 \Rightarrow \gamma = 80$$

$$-40 = -20\delta \Rightarrow \delta = 2$$

✓ $Q_s = 80 + 2P$ note: Q_s = 260 at P=60

5

Δ₂ $E_Y = \frac{\Delta Q}{\Delta Y} \cdot \frac{Y_1}{Q_1}$

$$3 = \frac{Q - 200}{44000 - 40000} \cdot \frac{40000}{200} \Rightarrow Q = 260$$

$$3 = \frac{Q - 200}{4000} \cdot \frac{40000}{200} \Rightarrow 3 = \frac{Q - 200}{4000} \cdot 200$$

| P | Q | Y | E _Y |
|----|-----|--------|----------------|
| 60 | 260 | 44.000 | 3 |
| 80 | 240 | 44.000 | P=60 |

$$\Rightarrow 3 = \frac{Q - 200}{20} \Rightarrow 60 = Q - 200 \Rightarrow Q = 260$$

$$\begin{aligned} Q_D &= \alpha + \beta P \\ 240 &= \alpha + \beta \cdot 80 \\ 260 &= \alpha + \beta \cdot 60 \end{aligned}$$

$$240 = \alpha - 80 \Rightarrow \alpha = 320$$

$$-20 = 20\beta \Rightarrow \beta = -1$$

$Q_{DAR} = 320 - P$ for Y=44000

10 H

$$\frac{Q_{DAR} - 260}{P - 60} = \frac{240 - 260}{80 - 60} \Rightarrow Q_{DAR} = 320 - P$$