

Opada I (T1-23)

$$\alpha) \text{ AED}^N_{2010} = P_A \cdot Q_A + P_B \cdot Q_B = 4 + 12 = 16$$
$$\text{AED}^N_{2011} = P_A \cdot Q_A + P_B \cdot Q_B = 4 + 12 = 16$$

$$g = \frac{\text{AED}^N_{2011} - \text{AED}^N_{2010}}{\text{AED}^N_{2010}} = 0.$$

$$\beta) \text{ AED}^R_{2010} = P^A_{2010} \cdot Q^A_{2010} + P^B_{2010} \cdot Q^B_{2010} = 16$$

$$\text{AED}^R_{2011} = \underline{P^A_{2010}} \cdot Q^A_{2011} + \underline{P^B_{2010}} \cdot Q^B_{2011} = 14$$

$$g = \frac{\text{AED}^R_{2011} - \text{AED}^R_{2010}}{\text{AED}^R_{2010}} = -1/8$$

$$\text{IPD} = \frac{\text{AED}^N}{\text{AED}^R} = \frac{16}{14} = 1,14 \dots$$

Άσκηση 2

$$Q \rightarrow Q/2$$

$$P \rightarrow 2P$$

$$y_A = Q \cdot P$$
$$\rightarrow y_B = \frac{Q}{2} \cdot 2P = Q \cdot P = y_A$$

$$\boxed{IPD = 1}$$

$$IPD_A = \frac{y_N}{y_R} = \frac{P \cdot Q}{P \cdot Q} = 1,$$

για την επίσημη χρονιά:

$$IPD_y = \frac{y_N'}{y_R} = \frac{\frac{Q}{2} \cdot 2P}{\frac{Q}{2} \cdot P} = \frac{2P \cdot Q}{P \cdot Q} = 2.$$

Άσκηση 3

Πρίστω την επίσημη μεταβολή για κάθε περίοδο (1999-2000, 2000-2001 κτλ). Στην συνέχεια πρίστωτε τον μέσο όρο των επίσημων μεταβολών.

Auswahl 4

$$t = ; : y_A = y_B \Leftrightarrow$$

$$y_0^A \cdot e^{t \cdot g_A} = y_0^B \cdot e^{t \cdot g_B} \Leftrightarrow \frac{y_0^B}{2} \cdot e^{t \cdot 2g_B} = \cancel{y_0^A} \cdot e^{t \cdot g_B} \Leftrightarrow$$

$$\frac{1}{2} \cdot e^{t \cdot 2g_B} = e^{t \cdot g_B} \Leftrightarrow e^{t \cdot 2g_B} = 2e^{t \cdot g_B} \Leftrightarrow \ln(e^{t \cdot 2g_B}) =$$

$$= \ln 2 + \ln(e^{t \cdot g_B}) \Leftrightarrow t \cdot 2g_B = \ln 2 + t \cdot g_B \Leftrightarrow$$

$$\Leftrightarrow \cancel{t \cdot g_B} \cdot 2 \cdot t \cdot g_B - t \cdot g_B = \ln 2 \Leftrightarrow$$

$$\boxed{t = \frac{\ln 2}{g_B}}$$

Άσκηση 5

$$GDP_{2006}^N = P_{2006}^X \times Q_{2006}^X + P_{2006}^Y \times Q_{2006}^Y = 1,000,000$$

$$GDP_{2006}^R = P_{2006}^X \times Q_{2006}^X + P_{2006}^Y \times Q_{2006}^Y = 1,000,000$$

$$IPD = \frac{GDP^N}{GDP^R} = \downarrow$$

$$KK_{2006} = \left(P_{2006}^X \times Q_{2006}^X \right) \times 0,9 + \left(P_{2006}^Y \times Q_{2006}^Y \right) \cdot 0,9 =$$
$$= \dots = 500,000$$

$$KK_{2010} = \left(P_{2010}^X \times Q_{2010}^X \right) \times 0,9 + \left(P_{2010}^Y \times Q_{2010}^Y \right) \cdot 0,9 =$$
$$= \dots = 920,000$$

Προσοχή: ίδιοι συντελεστές βαρύντας!!!

$$\Delta TK_{2010} = \frac{KK_{2010}}{KK_{2006}} = \frac{920}{500} = 1,84$$

* Τι συμβαίνει *
με τον IPD ???
*

Άσκηση 6

↘ (-10)

α) $\Sigma \Delta = C + I + G + NX = \text{€} 300 \text{ δισεκ.}$

β) $AED = \Sigma \Delta = \text{€} 300 \text{ δισεκ.}$

γ) $\text{Συνολικό εισόδητο} = AED = \text{€} 300 \text{ δισεκ.}$