

4654

α) Θεωρούμε $x^2 = \omega$ $\omega^2 - 7\omega + 12 = 0$ $\begin{cases} \omega = 3 \\ \omega = 4 \end{cases}$

$x^2 = 3 \Leftrightarrow x = \pm\sqrt{3}$ $x^2 = 4 \Leftrightarrow x = \pm 2$

β) $\Delta > 0 \Rightarrow$ 2 άνιση πραγματικές ρίζες

$\begin{cases} -S < 0 \Leftrightarrow S > 0 \\ P > 0 \end{cases} \left. \vphantom{\begin{matrix} -S < 0 \\ P > 0 \end{matrix}} \right\} 2 \text{ θετικές} \rightarrow \omega_1, \omega_2$

$x^2 = \omega_1 > 0 \Leftrightarrow x = \pm\sqrt{\omega_1}$

$x^2 = \omega_2 > 0 \Leftrightarrow x = \pm\sqrt{\omega_2}$