

an. 5 / $\Sigma \epsilon \lambda 70$

$$\frac{\epsilon \varphi(n-x) \cdot \cancel{6\omega(2n+x)} \cdot 6\omega(\frac{9n}{2}+x)}{\eta \mu(13n+x) \cdot 6\omega(-x) \cdot 6\varphi(\frac{21n}{2}-x)} = \frac{\cancel{-\epsilon \varphi x} \cdot \cancel{\sigma \omega x} \cdot \cancel{(-\eta \mu x)}}{\cancel{-\eta \mu x} \cdot \cancel{\sigma \omega x} \cdot \cancel{\epsilon \varphi x}} = \frac{1}{-1} = -1$$



$$\begin{aligned} \epsilon \varphi(n-x) &= -\epsilon \varphi x \quad || \quad \sigma \varphi(\frac{21n}{2}-x) = \sigma \varphi(\frac{20n}{2} + \frac{1}{2} - x) = \sigma \varphi(10n + \frac{1}{2} - x) \\ &= \sigma \varphi(\frac{1}{2} - x) = \epsilon \varphi x \\ \sigma \omega(\frac{9n}{2}+x) &= \sigma \omega(\frac{8n}{2} + \frac{1}{2} + x) = \sigma \omega(\cancel{4n} + \frac{1}{2} + x) = \\ &= \sigma \omega(\frac{1}{2} + x) = -\eta \mu x \end{aligned}$$

$$\eta \mu(13n+x) = \eta \mu(\cancel{12n} + n + x) = \eta \mu(\underline{1}n + x) = -\eta \mu x$$

$$A \in \mathbb{C}^{3 \times 3} - B \in \mathbb{C}^{3 \times 3} / \Sigma \in \mathbb{C}^{3 \times 3} \rightarrow \text{ηερίνου}$$

A. $\xi\psi\left(\frac{n}{3}+x\right) + \xi\psi\left(\frac{n}{6}-x\right) = 5$, να υπολογίσετε την ηερίνου:

$$\left[\xi\psi^2\left(\frac{n}{3}+x\right) + \xi\psi^2\left(\frac{n}{6}-x\right) \right]$$

$$\left(\xi\psi\left(\frac{n}{3}+x\right) + \xi\psi\left(\frac{n}{6}-x\right) \right)^2 = 25 \iff$$

$$\xi\psi^2\left(\frac{n}{3}+x\right) + 2\xi\psi\left(\frac{n}{3}+x\right) \cdot \xi\psi\left(\frac{n}{6}-x\right) + \xi\psi^2\left(\frac{n}{6}-x\right) = 25 \iff$$

$$\xi\psi^2\left(\frac{n}{3}+x\right) + 2 + \xi\psi^2\left(\frac{n}{6}-x\right) = 25$$

$$\frac{n}{3} + x + \frac{n}{6} - x = \frac{2n}{6} + \frac{n}{6} = \frac{n}{2}$$

αφού $\frac{n}{3}+x, \frac{n}{6}-x$ συνηλθωμ.

$$\xi\psi\left(\frac{n}{3}+x\right) = \xi\psi\left(\frac{n}{6}-x\right). \text{ Τότε } \xi\psi\left(\frac{n}{3}+x\right) = \xi\psi\left(\frac{n}{6}-x\right) = 1$$

$$\xi\psi\left(\frac{n}{3}+x\right) \cdot \xi\psi\left(\frac{n}{6}-x\right) = 1$$