

## سوالات توان

۱) حاصل عبارت های زیر را به دست آورید؟

$$1) \omega^1 - (-\gamma)^5 + (-\varphi)^2 =$$

$$2) -\varphi^3 + \omega \times \gamma^2 - \varepsilon \times 1 - \varphi =$$

$$3) ((-\gamma^1) \times (\omega^{\varphi} - \varphi^2) - 1^{\circ}) =$$

$$4) \left( \circ/\omega^{\varphi} - \circ/\gamma^{\omega} \right) \div \left( \circ/\omega^{\varphi} - \circ/\gamma^{\omega} \right) =$$

$$5) \frac{(\circ/\omega)^{\circ}-1\circ}{\left( \left( \frac{\varphi^{\gamma}}{\omega} \right) \times \left( \frac{\omega}{\gamma} \right)^{\omega} \right) + (-\omega)^1} =$$

$$6) \frac{10^{\circ}+11^{\circ}+\dots+99^{\circ}}{100^{\circ}+101^{\circ}+\dots+999^{\circ}} =$$

۷) نسبت مجذور  $\frac{2}{3}$  به مکعب آن عدد

$$8) \gamma^3 - \omega^2 \times \gamma + \omega^3 - \omega^{\omega} \div \omega + \gamma^{\omega} =$$

$$9) \omega - (-\gamma^2 + (+\omega)^2) \div (-\omega^2 + (-\gamma)^2) \times ((-\gamma)^2 + (-1)^{139^{\circ}}) =$$

(۲) حاصل عبارت های زیر را به صورت عددی تواندار بنویسید:

$$1) \quad 2^{\omega} \times \omega^{\alpha} \times \omega^{\omega} \times \epsilon^{\kappa} =$$

$$2) \quad \omega^{\omega^{\omega}} \times \epsilon^{\omega} =$$

$$3) \quad \gamma^{\omega} \times \omega^{\omega} \times \omega^{\gamma} =$$

$$4) \quad a^{\gamma} \times a^{\kappa} \times a^{\epsilon} \times \dots \times a^{\text{looo}} =$$

$$5) \quad \omega^{\gamma} \times (\gamma^{\omega})^{\alpha} \times (\text{looo})^{\kappa} =$$

$$6) \quad (\gamma^{\text{looo}} + \omega^{\text{looo}} + \text{looo})(\omega^{\text{looo}} + \omega^{\text{looo}}) =$$

$$7) \quad \gamma^{\omega^{\omega}} + \omega^{\gamma^{\omega}} + \omega^{\omega^{\gamma}} + \omega^{\omega^{\omega}} =$$

$$8) \quad \alpha^{\beta^{\gamma}} \times \beta^{\alpha^{\gamma}} \times \gamma^{\alpha^{\beta}} \times \alpha^{\beta^{\gamma}} =$$

$$9) \quad (\omega^{\omega^{\omega}})^{\gamma} \times (\omega^{\omega^{\gamma}})^{\omega} \times (\gamma^{\gamma^{\omega}})^{\omega} \times \omega^{\omega^{\gamma}} =$$

$$10) \quad \left[ \gamma^{\gamma^{\gamma^{\gamma}}} \times (\gamma^{\gamma^{\gamma}})^{\gamma} \times (\gamma^{\gamma})^{\gamma^{\gamma}} \times (\gamma^{\gamma})^{\gamma^{\gamma}} \right]^{\gamma} =$$