



سوال ۵

$$a = \frac{r}{r}$$

$$\begin{aligned} \int t_1 &= \frac{w}{r}(1)^r + b + c = 1 \quad -\frac{1}{r} = b + c \quad c = 0 \\ \int t_r &= \frac{w}{r}(r)^r + rb + c = 100 \quad -1 = rb + c \\ t_{100} &= \frac{w}{r}(10)^r - \frac{1}{r}(10) = 100 - 0 = 15w \end{aligned}$$

$ya=1 \quad a=\frac{1}{y}$

$$\left(\pm 1.5 \frac{1}{r} (1) \right)^2 + b + c = 0$$

$$\left\{ \begin{aligned} t_r &= \frac{1}{r} (r)^r + r b + c = 1 \end{aligned} \right.$$

$$\rightarrow \begin{cases} -b = b + c \\ -1 = 2b + c \end{cases} \rightarrow \begin{matrix} b = - \\ c = 0 \end{matrix}$$

سوال ۱۲

$$x = -b \pm \sqrt{b^2 - 4ac}$$

$$n = 1 \pm \frac{r_a}{\sqrt{1 + r f_0}} =$$

$$\frac{1}{r} x^r - \frac{1}{r} x = 0$$

$$2^r - 2 = 110$$

$$2^r - n - 110 = 0$$

$$\frac{1 \pm \sqrt{1 - 4 \cdot 1 \cdot 1}}{2} = \frac{1 \pm \sqrt{1 - 4}}{2}$$

$t_{11} = 5$ سال یا کم تر

$$g_{i,j} = t_n = F_{n+1}$$

$$L_{11} = F(11) + 1 = F_{\infty}$$

$$\mu_{t1} = 10$$

$$\sin 15^\circ = \frac{1}{2} \Rightarrow 15^\circ = \frac{\pi}{12}$$

(ii) $t_{11} = F_{\omega}$

$$t_{11} = \Lambda(11) = \psi \sigma \Lambda \omega$$

$$\sigma_i + \sigma_j = \varepsilon\omega + 1\omega = 150$$

$$a_n = \frac{(-1)^n}{n}$$

$$\frac{1}{4}(-1) + \frac{2}{4}$$

مزدوج = حاصل ضرب و $+\frac{1}{n}$

$-\frac{1}{n}$ فرد = صله منفی

$$b_n = (-1)^n - 1$$

break

$$a_n = -a_{n+1} + 1$$

$$b_r = (-r)^r - v(r) = -rV - r = F_1$$

$$\dot{K} = -aK + rY = -F_1 \rightarrow -aK = -Y_0 \rightarrow \boxed{K = 18}$$

TOPCO

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