

$$r(a+d)^r = a(\omega a + 1 \cdot d + \epsilon a + \epsilon d)$$

$$sa^r + sd^r + rad = \omega a^r + 1 \cdot ad + \epsilon a^r + \epsilon ad$$

$$\downarrow \quad sd^r = ra^r + ad$$

$$a = -rd \rightarrow \frac{a_r}{d} = \frac{a_1 + rd}{d} = \frac{d}{d} = 1$$

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

$$a(ra+d) = sd^r \Rightarrow \boxed{a = \frac{r}{\epsilon} d} \Rightarrow \frac{t\epsilon}{d} = \frac{\frac{r}{\epsilon} d + \epsilon d}{d}$$

$$\text{حاجب } \frac{a}{b-d} \quad b \quad \frac{c}{b+d}$$

$$\text{مقسوم: } b \cdot c = b \cdot b \Rightarrow r = -1$$

$$r = -1$$

$$\text{مقسوم: } b, \frac{1}{\epsilon} \frac{a}{b-d}, \frac{1}{\epsilon} \frac{c}{b+d}$$

$$\frac{1}{\epsilon}(b-d)^r = \frac{1}{\epsilon}b(b+d) \Rightarrow b^r + d^r - \epsilon b d = b^r + b d$$

$$\epsilon b d = d^r \Rightarrow \boxed{b = d}$$

$$a \quad b' \quad c'$$

$$fa = \epsilon b + c$$

$$\rightarrow \cancel{fa} = \cancel{\epsilon a} + \cancel{a^r} \Rightarrow a^r + \epsilon a - \epsilon = .$$

$$(a+r)(a-1) = .$$

$$a' \quad \frac{\epsilon}{1} \quad \frac{a}{a}$$

$$\frac{t a}{t r} = r^n$$

$$\frac{t r^{\epsilon}}{t \epsilon r^{\epsilon}} = \frac{t r^r}{r r}$$

$$\frac{t r}{t r} = \frac{t}{r}$$

$$\frac{t}{r} = \alpha$$

$$\alpha^r + \alpha = r \Rightarrow \alpha^r + \alpha - r = .$$

$$(\alpha+r)(\alpha-1) = .$$

$$\frac{t r^r}{t r} = \frac{t}{r}$$

$$\alpha' \quad \frac{-r}{-1}$$

$$\boxed{-\frac{1}{r}, 1}$$

$$\cancel{t r^r} = \cancel{t r^{\epsilon}} \Rightarrow t r = 1$$

$$t r^r = r v \Rightarrow \frac{t r^r}{t r} = r^{\epsilon} = r v \Rightarrow r = \epsilon$$

$$\epsilon t = 1 \Rightarrow t = \frac{1}{\epsilon} \Rightarrow \frac{1}{\epsilon} - \frac{1}{\epsilon}$$

$$\boxed{\frac{1}{\epsilon}}$$

$$\begin{matrix} 1 & (1)^2 \\ 2 & 2^2 \\ \dots & \dots \end{matrix}$$

$$\dots \Rightarrow \frac{11 + 90}{2} = 50.5$$

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$$= (12 - 1) + 1 = 12 \Rightarrow \text{مجموع} = 12$$

$$\frac{12 \times 12}{2} = 72$$

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$$\begin{cases} a_1 = 1 \\ a_2 = 2 \\ a_3 = 3 \\ a_4 = 4 \end{cases}$$

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$$S_1 = 1 + 2 + (a+1) + (a+2) + (a+3) + (a+4) + \dots + a + 19 \rightarrow a = -2$$

$$a_n = \left[\frac{n}{k+2} \right] + a \xrightarrow{n=k+2} \left[\frac{k+2}{k+2} \right] - 2 \sim a_n = \left[\frac{k+2}{k+2} \right] - 2$$

$$\rightarrow S_n = \left[\frac{k+2}{k+2} \right] - 2 = \frac{k-2}{k+2}$$

$$\sum_{k=0}^n \left[\frac{k-2}{k+2} \right] = -2$$

$$\begin{cases} a_1 = a+1 \\ a_2 = a+1 \\ a_3 = a+1 \end{cases}$$

تابع اول a_1, a_2, a_3, a_4

تابع دوم a_1, a_2, a_3

تابع سوم a_1, a_2, a_3

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$$-\frac{1}{2}x^2 + bx + c \Rightarrow -\frac{1}{2}x^2 + 5x - 1 \Rightarrow t_1 = \frac{19}{2}$$

$$\rightarrow t_0 = -a + b + c = 19 \Rightarrow +b + c = 19$$

$$t_1 = -a + b + c = 19 \Rightarrow b + c = 19$$

$$t_2 = -a + b + c = 19 \Rightarrow b + c = 19$$

$$\Rightarrow t_{10} = -\frac{1}{2} \times 225 + 5 \times 15 - 1 = 19 \Rightarrow \frac{t_{10}}{t_1} = \frac{19}{19} = 1$$

$$\begin{cases} t_1 + d = 19 + b \\ t_1 + v d = 19 + b \end{cases} \Rightarrow d = 19 + b$$

$$19 + b = 0 \Rightarrow b = -19 \Rightarrow \frac{t_{10}}{d} = \frac{19 - 19}{19} = 0$$