

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

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

$$\downarrow$$

$$sd^r = ra^r + ad$$

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

حاجب ~~a~~ b ~~c~~

~~b-d~~ ~~b+d~~

$$\text{مربع: } b^2 = b^2, b^2 \Rightarrow r = -1$$

$$\boxed{r = -1}$$

مربع = b, ~~1/a~~, ~~1/b~~, ~~1/c~~ ~~b+d~~

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

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

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

$$a q \quad a q^r$$

$$fa = \omega b + c$$

$$\rightarrow \cancel{fa} = \cancel{\omega} a q + \cancel{\omega} q^r \Rightarrow q^r + \omega q - \varepsilon = .$$

$$(q + \omega)(q - 1) = 0$$

$$\left[\frac{t q}{t \omega} = r^2 = - \right]$$

9' ⑧ 333

9' ① 333

$$\frac{t r^2}{t \varepsilon r \varepsilon} = \frac{t r^r}{r r}$$

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

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

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

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

$$\frac{t r^r}{t r} = \frac{t}{r} \rightarrow \boxed{-\frac{1}{r}, 1}$$

$$\cancel{t r^f} = \cancel{t r^e} \Rightarrow t r = 1$$

$$t r^f = r v \Rightarrow \frac{t r^f}{t r} = r^e = r v \Rightarrow r = \omega$$

$$\omega t = 1 \Rightarrow t = \frac{1}{\omega} \Rightarrow \frac{1}{t} - \frac{1}{\omega} = \boxed{\frac{1}{\varepsilon}}$$

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

$$\text{دست‌نهم} = 95, \dots, (9)^2 \Rightarrow \frac{81 + 95}{2} = 78$$

$$1292$$

$$309697989991011912$$

$$139149159 \dots 999$$

$$129 \dots 9129$$

$$1219 \dots 9369$$

$$\text{تعداد} = (959 - 121) + 1 = 839 \Rightarrow \text{مجموع} = \frac{839(840)}{2}$$

$$\begin{aligned} &= \frac{839 \times 840}{2} \\ &= 839 \times 420 \\ &= 353380 \end{aligned}$$

$$\frac{1}{x^2} + bx + c$$

$$-\frac{1}{x^2} + bx + c \Rightarrow -\frac{1}{x^2} + fx - 1 \Rightarrow t1 = \frac{1f}{0}$$

$$\hookrightarrow t0 = -a + 0b + c = 1f \Rightarrow +0b + c = 1f$$

$$tV = -a1a + vb + c = 1v1r \Rightarrow vb + c = 1v$$

$$f_b = 1 \Rightarrow b = f \Rightarrow c = -1$$

$$\Rightarrow t10 = -\frac{1}{0} \times 2r0 + f \times 10 - 1 = 1f \Rightarrow \frac{t10}{t1} = \frac{\frac{1f}{1}}{\frac{1f}{0}} = 0$$

$$\begin{aligned} t1 + ed &= ra + b \\ t1 + vd &= va + b \end{aligned} \quad \left[\begin{aligned} fd &= 0a \Rightarrow d = 1/r0a \end{aligned} \right]$$

$$1a + b = 0 \Rightarrow b = -1a \Rightarrow \frac{t10}{d} = \frac{10a - 1a}{1/r0a} \Rightarrow \frac{0a}{1/r0a}$$