

$$a + a + d + a + r d + a + r^2 d + a + r^3 d = \Delta a + 1 \cdot d$$

$$\Delta a + \Delta d + r d + r^2 d + r^3 d = \Delta a + r \Delta d$$

$$\frac{\Delta a + 1 \cdot d}{\Delta a + r \Delta d} = \frac{1}{r} \quad 1 \Delta a + r^2 d = \Delta a + r \Delta d$$

$$1 \cdot a = \Delta d$$

$$r a = d$$

$$a_1 = a$$

$$a_r = a + \frac{d}{r} = r a \quad \frac{a_r}{a_1} = \frac{r a}{a} = r$$

$$\frac{t_n - t_{n-r}}{r d} = 1 \quad d = \Delta$$

$$(t_q - t_\Delta)(t_q + t_\Delta) = (t_v + r d - t_v + r d)(t_v + r d + t_v - r d) \Rightarrow$$

$$\frac{r t_v (r d) r}{t_v} = r^2 d$$

$$d = \frac{b-a}{n+1} = \frac{r + \sqrt{r} - r + 1 \sqrt{r}}{1 r} = \frac{1 \sqrt{r}}{1 r} = \sqrt{r}$$

$$d = \frac{r r - r}{r n - r} = \frac{r_0}{r n - r} = \frac{1 \Delta}{r n - 1}$$

$$t_1 = r [r^{n+1} - r^2 = r^{n+1} - r^2] a_{n+1} = r + n \times \frac{1 \Delta}{r n - 1}$$

$$a_{n+1} = 11$$

$$\Rightarrow 11 = r + \frac{1 \Delta n}{r n - 1}$$

$$9(r n - 1) = 1 \Delta n$$

$$1 \Delta n - 9 = 1 \Delta n \quad r n = 9 \quad n = r$$

$$\left. \begin{aligned} a_n &= a_1 + (n-1)d \\ a_{n+r} &= a_1 + (n+r)d \end{aligned} \right\} a_1 + (n-1)d + a_1 + (n+r)d = r a_1 + r(n+1)d$$

$$\left. \begin{aligned} a_r &= a_1 + r d \\ a_{14} &= a_1 + 14 d \end{aligned} \right\} r a_1 + 1 \Delta d$$

$$\Rightarrow 1 \Delta d = r(n+1)d \quad a_m^{r=0} = a_1 + (m-1)d \Rightarrow$$

$$1 \Delta = r n + r$$

$$14 = r n \quad n = 1$$

$$-d + (m-1)d = (m-r)d$$

$$(m-r)d = 0$$

$$\Rightarrow 0 \rightarrow \text{میشود}$$

$$a_n = r \times \frac{a_n}{r} \quad a_n = r a_r \quad a_1 + v d = r a_1 + 9 d$$

$$(a_1 + v d) = r(a_1 + r d)$$

$$r a_1 + r d = 0$$

$$a_1 + d = 0 \Rightarrow a_1 = -d$$

$$\text{میشود}$$