

$a_1 + ar + ar + ar + ar = \frac{1}{r} (ar + ar + ar + ar + a_1 + a_1)$ $a + a + ar + ar + ar + ar + ar + ar = \frac{1}{r} (ar + ar + ar + ar + ar + ar + ar + ar + a_1 + a_1)$ $\Delta a + 1 \cdot ar = \frac{1}{r} (\Delta a + r \Delta a) \rightarrow 1 \Delta a + r \Delta a = \Delta a + r \Delta a \rightarrow 1 \cdot a = \Delta a \rightarrow r a = \Delta a$ $\frac{ar}{a_1} = \frac{a + ar}{a} = \frac{a + ra}{a} = \frac{r a}{a} = \frac{r}{1} = r$	6
$t_{n-r} + 1 \Delta = t_1 + (n-1) \Delta \rightarrow 1 = n-r \rightarrow n = r$ $\hookrightarrow \left(\frac{r}{r} \right) \Delta = 1 \Delta \rightarrow \Delta = \Delta$ $t_1 - t_0 = (t_1 - t_0) (t_1 + t_0) = (t_1 + r_0 + t_1 + r_0) \left(\frac{t_1 + r_0}{r_0} - t_1 - r_0 \right)$ $\begin{matrix} \downarrow & \downarrow \\ t_1 + 1 \Delta & t_1 + r \Delta \end{matrix}$ $= (r t_1 + r_0) \times r_0 / t_v = t_1 + r_0 \Delta \Rightarrow \frac{r_0 t_1 + 1 r_0}{t_1 + r_0} = \frac{r_0 (t_1 + r_0)}{t_1 + r_0} = r_0$	★ 7
$\frac{r + \sqrt{r} - r + 1 \sqrt{r}}{1 r} = \Delta \rightarrow \Delta = \frac{1 \sqrt{r}}{r} = \frac{1}{\sqrt{r}}$	8
$d = \frac{r_0 r}{r_{n-r}} = \frac{r_0 \cdot 1 \Delta}{r(n-1)}$ $a_{n+1} = 11$ $a_n = r + (n-1) \times \frac{1 \Delta}{(n-1)} = 14$ $a_{n+1} = a_n + d \Rightarrow 14 + \frac{1 \Delta}{n-1} = 11 \rightarrow \frac{1 \Delta}{n-1} = \frac{-r}{1} \rightarrow \frac{1 \Delta}{r} = n-1 \rightarrow n = \frac{-r}{r} \Rightarrow n = -\frac{r}{r}$	★ 9
$a_{10} + a_{14} = a_n + a_{n+r} \rightarrow r + 14 = n + n + r \rightarrow r_0 = r_n + r \rightarrow n + r = 10 \rightarrow n = 8$ $a_n = r a_{\frac{n}{r}} \rightarrow a_1 = r a_r \rightarrow a_1 + r \Delta = r a_1 + r \Delta \rightarrow r a_1 + r \Delta = 0 \rightarrow a_1 + \Delta = 0$ $a_1 + \Delta = a_r \} a_r = 0$	★ 10