

$$e_n = \omega_1, \omega_2, \omega_3, \dots$$

$\omega_1 = \omega_2 = \omega_3 = \dots$

$$e_n = e_{n+1} \quad (\text{الف})$$

$$e_{10} = e_{10+1} = e_1 \quad (\text{ب})$$

$$e_n = \omega_1, \omega_2, \omega_3, \dots$$

$\omega_1 = \omega_2 = \omega_3 = \dots$

$$s_{10} = \frac{10}{2} \times (\omega_1 + \omega_{10}) = \boxed{45} \quad (\text{الف})$$

$$e_{10} = \omega_1, \omega_2, \omega_3, \dots$$

$\omega_1 = \omega_2 = \omega_3 = \dots$

$$e_{10} + e_{11} + e_{12} + e_{13} = 4e_{10} + e_{11} = \boxed{495} \quad (\text{ب})$$

$$r - (1 + \sqrt{e}) = 1 - \sqrt{e} = d$$

$$e_{10} - e_{11} = rd = \boxed{r - r\sqrt{e}}$$

$$a_n = \Delta^n, \Delta^n, \Delta^n, \dots$$

$\Delta^n = \Delta^{n+1} = \Delta^y$

$$x \times y = \omega_1 = \boxed{10}$$

$$b_n = a, r, y \rightarrow n, r, r_{n+1}$$

$$a_1, r_{n+1} = r_1, r \rightarrow r_n = r \rightarrow a_2 = 1 \rightarrow r_{n+1} = y = \boxed{10}$$

$$r_{n+1} - e, r_{n-1}, e_n$$

$r_{n+1} - e = r(r_{n-1})$

$r_{n+1} - e = e_{n-1}$

$e_n = r$

$r = \frac{1}{r}$

$$-3, 0, 3, 6$$

$$a_n = n+1 \\ b_n = n-1 \quad \} \rightarrow s_n = 1$$

$$a_n = r_n r_{n+1} = \varepsilon 1 \\ b_n = r_n r_{n+1} = 1 - \Delta 2$$

$$s_n = 1 \leq \varepsilon 1 \rightarrow s_n \leq \varepsilon r \\ \Delta \leq V$$

$$\Delta \leq V$$

$$a_1 + a_r + a_r = 1 \rightarrow r a_r = 1 \rightarrow a_r = V$$

$$a_1 + a_r + a_d = 1.0 \rightarrow a_d = \frac{1.0}{r} = r \Delta$$

$$a_1 = V - r \varepsilon = 1$$

$$d = r \varepsilon$$

$$\frac{a_r - a_r}{d} + a_1 = a_1 + d = a_r = V \\ = r_1 = \boxed{\frac{1}{r}}$$

$$a_1 + a_r + a_r = 1.0 \rightarrow r a_r = 1.0 \rightarrow a_r = \Delta \rightarrow a_1 = r$$

$$a_r + a_d = 1.0 \\ (a_r) + r(a_r) + (a_r) r d = 1.0$$

$$1.0 + \Delta d = 1.0$$

$$\Delta d = 1.0$$

$$d = \frac{1}{\Delta} r$$

$$\varepsilon_{1.0} = 1 + 9 \times r = \boxed{r 9}$$

$$S_r = \frac{r}{r} (r a_1 + r d) = r a_1 + r d$$

$$S_r = \frac{r}{r} (r a_1 + r d) = r a_1 + r d = r a_1 + r d$$

$$a_{r_0} = a_1 + r d = a_1 + r a_1 = r a_1$$

$$a_v = a_1 + r d = a_1 + r a_1 = r a_1$$

$$r a_1 + r d = r a_1 + r d$$

$$1 a_1 = r d$$

$$a_1 = \frac{r}{r}$$

$$d = r a_1$$

$$\frac{r a_1}{r a_1} = \frac{r a_1}{r a_1} = \boxed{r}$$

$$a_1 = 11, a_v = r \Delta \rightarrow a_r = \frac{r \Delta + 11}{r} = r r = b_r$$

$$b_1 = r 11, b_v = 1 r, b_r = r r$$

$$\frac{r r - r 11}{r} = -\frac{1.0}{r} = -\Delta = d$$

$$\frac{-r \Delta}{-r \Delta} = \Delta \rightarrow \boxed{\Delta}$$