

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

$d = \varepsilon$

$$e_n = \varepsilon_{n+1} \quad (\text{الف})$$

$$e_{10} = \varepsilon_{10+1} = \varepsilon_1 \quad (\text{ب})$$

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

$d = \varepsilon$
 $a_1 = \varepsilon$

$$e_n = \varepsilon_{n+1}$$

$$S_{10} = \frac{10}{2} \times (\omega_1 + \omega_{10}) = \frac{10}{2} \times (\varepsilon + \varepsilon_1) = 45 \quad (\text{الف})$$

$$e_{10} = \omega_{10}$$

$$e_{10} = \varepsilon_{10}$$

$$e_{10} = \varepsilon_{10}$$

$$e_{10} + e_{10} + e_{10} + e_{10} = 4e_{10} = 4 \times 10 = 40 \quad (\text{ب})$$

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

$$e_n - e_{r_n} = rd = \boxed{r - r\sqrt{r}}$$

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

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

$$x \times y = r_{n+1} = \boxed{y}$$

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

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

$$r_n - \varepsilon, r_{n-1}, \varepsilon_n$$

$r_n + r_{n-1} - \varepsilon = r(r_{n-1})$

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

$$r_n - \varepsilon = \varepsilon_{n-1}$$

$$\varepsilon_n = r$$

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

$$a_n = n+1$$

$$b_n = n-1$$

$$\} \rightarrow s_n = 1$$

$$a_n = r_n + 1 = \varepsilon 1$$

$$b_n = r_n + 1 = 1 - \Delta 1$$

$$s_n = 1 \leq \varepsilon 1 \rightarrow s_n \leq \varepsilon 1$$

$$n \leq V$$

NPV

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

$$a_1 + a_r + a_d = 1.05 \rightarrow a_d = \frac{1.05}{r} = 1.05$$

$$a_1 = V - 1.05 = 1$$

$$d = 1.05$$

$$\frac{a_r - a_r}{d} + a_1 = a_1 + d = a_r = V$$

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

$$a_1 + a_r + a_r = 1.05 \rightarrow r a_r = 1.05 \rightarrow a_r = 1.05 \rightarrow a_1 = 1$$

$$a_1 + a_d = 1.05$$

$$(a_1) + r a_1 + (a_1) r d = 1.05$$

$$1.05 + 0.05 = 1.05$$

$$0.05 = 1.05$$

$$d = 1.05$$

$$E_{1.05} = 1 + 0.05 = \boxed{1.05}$$

$$S_q = \frac{q}{r} (r a_1 + 1 d) = q a_1 + r q d$$

$$q a_1 + r q d = r v a_1 + r v d$$

$$S_r = \frac{r}{r} (r a_1 + 1 d) = r a_1 + r d = q r a_1 + r d$$

$$1 a_1 = q d$$

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

$$d = r a_1$$

$$a_r = a_1 + 1 d = a_1 + r a_1 = r a_1$$

$$a_v = a_1 + q d = a_1 + 1 r a_1 = 1 r a_1$$

$$\frac{r q a_1}{1 r a_1} = \frac{q}{1} = \boxed{q}$$

$$a_1 = 11, a_v = 10 \rightarrow a_\varepsilon = \frac{10 + 11}{r} = 1.1 = b_\varepsilon$$

$$b_1 = 1.1, b_v = 1.1, b_\varepsilon = 1.1$$

$$\frac{1.1 - 1.1}{r} = -\frac{1.0}{r} = -0.1 = d$$

$$\frac{1.1 - 1.1}{-0.1} = 1.1 \rightarrow \boxed{1.1}$$