

(۱) (۲)

$$t_n = a + 1$$

الف

$$t_1 = a + 1 = a$$

(۲) (۳)

$$t_n = an + 1 \rightarrow t_1 = a$$

$$S_1 = \frac{1}{x} (4 + a) = 2a$$

الف

$$2(a_1 + a_4) = 2(a_{1n} + a_{1r}) = a_{1a} + a_{1r} + a_{1r} + a_{1r}$$

ب

$$t_4 = 2a + 1 = 2a$$

$$2(a_1 + a_4) = 2(2a + 4) = 4a + 8$$

$$a_{1a} - a_{1r} = 2d = 2 - 2\sqrt{3}$$

$$3 - \sqrt{3} - 2 = 1 - \sqrt{3}$$

$$dy + dr = 2(3 \times 2 \times 4)$$

(۳) (۴)

Diba

$$(dy - 2r + 1) = 4 \times 2 \times 4$$

$$y - 2r = 1$$

$$dy - 2r = 1$$

$$y = 2r$$

بسم الله الرحمن الرحيم

$$\begin{aligned} m+y &= r(r) \\ n+y &= r \end{aligned} \quad \left. \begin{array}{l} \\ \end{array} \right\} \text{p, v, w}$$

$$\boxed{ny = \frac{r^2}{9}}$$

$$\begin{aligned} n+rm &= \varepsilon \\ \cancel{rm} &= \varepsilon \end{aligned}$$

$$\cancel{n = \frac{\varepsilon}{r} \Rightarrow y = \frac{\Lambda}{r}}$$

$$rm - \varepsilon + 4n = \varepsilon m - r$$

$$\Lambda m - \varepsilon = \varepsilon m - r$$

$$\varepsilon m = r$$

$$m = 0/0$$

$$t_n = rn - 4 \Rightarrow$$

$$- r, 0, r, -4$$

$$\boxed{t_\varepsilon = 4}$$

$$a_n = r, 0, v, \dots \quad t_n = rn + 1 \Rightarrow t_r = \varepsilon \quad (4)$$

$$b_n = r, 0, \Lambda, \dots \quad t_n = rn - 1 \Rightarrow t_r = \Delta 9$$

Diba $c_n = 4n - 1 \Rightarrow$ $4n - 1 < \varepsilon$

$$\frac{4n - 1 < \varepsilon}{n = v}$$

$$ra + rd = r1$$

$$a + d = v$$

$$ra + rd = 1.2 \quad (v)$$

$$a + rd = r2$$

$$a + rd - a - d = d = r1 \Rightarrow a = -r1$$

$$\frac{a + rd - a - d + a}{a} = \frac{a + d}{a} = \frac{v}{-r1} = \left[\frac{1}{r} \right]$$

$$\begin{aligned} a_1 + a_r + a_r &= 1.2 \\ a_s + a_d &= r2 \end{aligned} \Rightarrow \begin{aligned} 2a + 1.0d &= r. \\ a + rd &= 1 \end{aligned} \quad (1) \quad (2)$$

$$a + rd - a - d = d = r \Rightarrow a = r$$

$$a_1 = a + rd = r + r1 = r2$$

$$\frac{9}{r} (a_1 + a_9) = 9 \times \frac{r}{r} \times (a_1 + a_r) \quad (9)$$

$$a_1 + a_9 = ra_1 + rar$$

$$a_1 - rar = ra_1$$

$$a + rd - ra - rd = ra$$

$$rd - ra = ra$$

$$d - a = a$$

$$d = 2a$$

Diba

செம்பி

$$\frac{a_r}{a_v}, \frac{a+14d}{a+7d} = \frac{a+12d}{a+14d} = \frac{14d}{12d} = \frac{7}{6}$$

$$a_1 = 11$$

$$a_v = 12$$

$$a'_1 = 12$$

$$(10)$$

$$a, v, w$$

$$a_8 = a + 7d = a' + 7d \checkmark \rightarrow a_8 = 11 + 7 \times 1 = 18$$

$$a_v = a + 7d = 12 \Rightarrow 7d = 12 - 11, d = 1 \checkmark$$

$$11 + 12 = 12 + 7d$$

$$23 = 12 + 7d$$

$$-11 = 7d$$

$$-\frac{11}{7} = d$$

$$\Rightarrow d = \frac{-11}{7} = -\frac{11}{7}$$

$$m+1 = 10$$

$$m = 9$$