

$$f_1 - f_0 = 12 \rightarrow a + 9d - a - 9d \rightarrow 12d = 12 \rightarrow d = 1$$

$$a_4 - a_1 = 1 + \omega d - a_1 \rightarrow \omega d = 10$$

$$\left. \begin{array}{l} a_1 = 1 \\ a_4 = 10 \end{array} \right\} \frac{a_4 - a_1}{4-1} = \frac{10-1}{3} = 3 \rightarrow \varepsilon = d \rightarrow \varepsilon = 1 \rightarrow n-1 \leftarrow \text{last term}$$

$$\left. \begin{array}{l} b_1 = a_1 = 1 \\ b_4 = a_4 = 10 \end{array} \right\} \rightarrow \frac{11-1}{4-1} = 3 \rightarrow \Lambda = d \rightarrow \Lambda n - \omega$$

$$\left. \begin{array}{l} \frac{1, 4, 9, 16}{\varepsilon} \rightarrow \varepsilon n - 1 \text{ or } 0 \\ \frac{\omega, 1, 4, 9, \dots}{\varepsilon} \rightarrow n + 1 \text{ or } 2 \end{array} \right\} \frac{\varepsilon n - 1}{n + 1}$$

$$\frac{\varepsilon n - 1}{n + 1} < \frac{1}{2} \rightarrow \Lambda n - 1 < 9n + 9$$

$$\frac{1, 4, 9, 16}{\varepsilon} \rightarrow \varepsilon n - 1$$

$$r = ka \rightarrow a = \frac{r}{k}$$

$$-\frac{1}{2}n^2 + \frac{9}{2}n$$

$$\textcircled{2} \frac{9}{4} < C$$

$$C = 90$$

$$a + b + c = 9$$

$$-\frac{1}{2} + \frac{9}{2} = 4$$

$$r\left(\frac{1}{2}\right) + \omega\left(\frac{9}{2}\right) =$$

$$-\frac{1}{2} + \frac{9}{2} = 4$$

$$\frac{-4, -1, 0}{\varepsilon} \rightarrow \varepsilon n - 1$$

$$r \rightarrow r = ka \rightarrow a = 1$$

$$n^2 - n - 9$$

$$-9 + 1 + 9 = -9$$

$$n^2 - n - 9 = \omega n + 1$$

$$10 = h(n-9)$$

$$G_{10} =$$

$$a_1 = 1$$

$$a_4 = 10$$

$$\frac{10-1}{4-1} = 3 = \omega$$

$$\omega n + 1$$

$$9 \text{ miles}$$

$$\frac{10-1}{4-1} = 3$$