

$$t_n = \omega \begin{matrix} & g & 1^w & 1^v \\ \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} \\ +f & +f & +f \end{matrix} \rightarrow \underline{a_n = f_{n+1}} \quad (2)$$

$$a_{10} = f(10) + 1 = \boxed{f(1)}$$

$$\frac{d_2}{d_1} = \frac{10}{1} (r(4) + q(4)) = \frac{10}{1} (r(4) + (n-1)d) \quad \text{الف}$$

$$a_n = r_n + r$$

$$\begin{aligned}
 \int_a^b f(x) dx &\rightarrow \int_1^2 x^2 dx \\
 &\downarrow \\
 a_{np} &= f(np) + \frac{1}{2} \Delta x \\
 &= f(2) + \frac{1}{2} (1) \\
 &= 4 + \frac{1}{2} \\
 &= 4.5
 \end{aligned}$$

$$1 + \sqrt{p}, \quad p, \quad p - \sqrt{p} \quad \rightarrow a_n = 1 - \sqrt{p}(n) + p\sqrt{p}$$

$$\frac{+1 - \sqrt{3}}{d}$$

$$\alpha_{\mu\nu} = \mu\nu - \mu\nu\sqrt{\mu} + \nu\sqrt{\mu} = \mu\nu - \nu\sqrt{\mu}$$

$$a_{\mu\Omega} = \mu\Omega - \mu\Omega\sqrt{\mu} + \mu\sqrt{\mu} = \mu\Omega - \mu^3\sqrt{\mu}$$

$$a_{25} - a_{23} = 2d \rightarrow 2(1 - \sqrt{3}) = 2 - 2\sqrt{3}$$

$$a_n = \frac{\omega^y + \omega^{yx}}{r} = r \times \omega^{yx} \rightarrow \omega^y + \omega^{yx} = r \times \omega^{yx} \rightarrow \omega^y = r \omega^{yx} - \omega^{yx}$$

$$y = x^2$$

$$y \quad y+1$$

$$b_n = \frac{x+y}{x} \cdot x \rightarrow x+y = r$$

(*)

Lyapunov

④ $y = 2x$

$$f - n \leq n + 1$$

$$W_X \approx W -$$

$$\frac{y_{n-1} + 4x}{2} = y_{n-1} \rightarrow x_{n-1} = \frac{y_{n-1}}{2}$$

$$x_2' = x_2 \frac{1}{r}$$

Indo $\frac{y_{n-1}}{-w}, \frac{y_{n-1}}{0}, \frac{y_n}{w}$
 $\frac{+w}{+w}, \frac{(+w)}{(+w)} \rightarrow d$

$$a_n = v n - y$$

$$a_k = w(k) - 4 = \boxed{4} \tau_0$$

$$a_n = 2, 5, 8, \dots \rightarrow r_{n+1} \quad a, 11, 17, \dots$$

$$b_n = 2, 5, 8, \dots \rightarrow r_{n-1}$$

$4n-1$: مشترک

$$a_{n-1} \rightarrow r_0(2)+1 \rightarrow 1 \quad b_n \rightarrow r_0(2)-1 \rightarrow 29$$

$4n-1 \leq 41$
 $4n \leq 42 \rightarrow n \leq 10.5$

$$\left. \begin{aligned} a_1 + a_r + a_p &= 14 \rightarrow 2a_1 + 2d = 14 \\ a_1 + a_p + a_d &= 10 \rightarrow 2a_1 + 4d = 10 \end{aligned} \right\} \rightarrow 2d = 4 \rightarrow d = 2$$

$$a_1 = 2$$

$$\frac{a_p - a_1}{d} = \frac{14 - 2}{2} = 6 \rightarrow p = 7$$

$$\left. \begin{aligned} a_1 + a_p + a_p &= 10 \rightarrow (2a_1 + 2d) \times 2 \\ a_1 + a_d &= 4 \rightarrow (2a_1 + 4d) \end{aligned} \right\} \rightarrow \begin{aligned} 4a_1 + 4d &= 20 \\ 4a_1 + 4d &= 8 \end{aligned}$$

$$a_{10} = 2(10) - 1 = 19$$

$$S_9 = 9 S_p$$

$$\frac{9}{2}(a_1 + a_9) = 9 \times \left(\frac{p}{2}(a_1 + a_p) \right) \rightarrow a_1 + 4d = 2a_1 + 2pd$$

$$\frac{a_1}{a_1} = \frac{a_1 + 4d}{a_1 + 2pd} \rightarrow \frac{1}{1} = \frac{1 + 4d}{1 + 2pd} \rightarrow 1 + 4d = 1 + 2pd$$

$$a_n - a_1 = 4d = 2f \rightarrow d = f \rightarrow a_n = 2n + 1$$

$$a_1 = 1 + 1 = 2$$

$$\frac{13 - 2n}{n+1} = d = 0$$

$$-2n - 2 = -2 \rightarrow -2n = 0 \rightarrow n = 0$$