

ماتریس

$$a_n = n^2 + \frac{n(n-1)}{2}$$

①

$$a_{10} = 100 + \frac{10 \times 9}{2} = 145$$

0, 0, 1, 1, 4, ...
ω

$$a_n = \frac{1}{2}n^2 - \frac{1}{2}n$$

②

$$\omega \omega = \frac{1}{2}n(n-1) \leadsto n=11$$

2, 13, 11, ...

$$a_n = 11n - 3$$

③

$$a_{11} = 111 - 3 = 108$$

2, 9, 13, ...

$$a_n = 5n + 1$$

$$a_{11} = 55 + 1 = 56$$

$$56 + 108 = 164$$

$$a_1 = \frac{-1}{1} = -1 \quad \left[\frac{1}{2} + 1 = \frac{3}{2} \right]$$

④

$$a_2 = \frac{1}{2}$$

$$b_p = (-3)^p - p1 = -51$$

⑤

$$-51 = -2n + 22 \leadsto n=13$$

$$a_v + \kappa d = a_{10} \rightsquigarrow \kappa d = 1\kappa$$

$$d = \varepsilon$$

(ε)

$$a_1 + \omega d = a_0 \rightsquigarrow \omega d = 10$$

$$\begin{matrix} a_v = V \\ a_\varepsilon = 1\omega \end{matrix} \quad \left. \begin{matrix} a_v + \kappa d = a_\varepsilon \\ \kappa d = 1\omega \end{matrix} \right\}$$

(✓)

$$d = \varepsilon \rightarrow a_1 + \kappa = V$$

$$a_1 + \kappa = V + \varepsilon = 11$$

$$a_1 = \kappa$$

$$B = \kappa, 11, \dots$$

$$b_n = 11n - \omega$$

$$t_n = \frac{\kappa}{\omega}, \frac{9}{V}, \frac{10}{9}, \frac{1\varepsilon}{11}, \frac{11}{1\kappa}, \frac{22}{1\omega}, \frac{\kappa 11}{1V}, \frac{\kappa 0}{19}, \frac{\kappa \varepsilon}{\kappa 1}, \frac{\kappa 1}{\kappa \kappa}$$

(Λ)

MOQ

$$\frac{\kappa n - \kappa}{\kappa n + \kappa} < \frac{\kappa}{\kappa}$$

$$(n+9) > 11n - \varepsilon$$

$$1\kappa > \kappa n$$

$$9, \omega > n$$

$$t_n = \underbrace{4\kappa}_{+1\kappa} \underbrace{9}_{+0} \underbrace{9}_{-1\kappa} \underbrace{4}_{-1\kappa}$$

$$a_n = \underbrace{\frac{-\kappa}{V}}_A n^2 + \underbrace{\frac{1\omega}{\kappa}}_B n$$

(9)

$$\kappa A + \omega B = \kappa \times \frac{-\kappa}{V} + \omega \times \frac{1\omega}{\kappa} =$$

$$\frac{-9}{\kappa} + \frac{V\omega}{\kappa} = \frac{44}{\kappa} = \kappa \mu$$

$$a_p + p d = a$$

$$p d = 10$$

$$d = 5$$

$$a_1 + d = 11$$

$$a_1 = 6$$

$$T_n = \frac{a_1 + a_n}{2} \times n$$

$$= \frac{6 + a_n}{2} \times n$$

$$a_n = n^2 - a - n$$

$$n^2 - a - n = 6 + 5n$$

$$n^2 - a - n = 6 + 5n$$

PARAMOUNT

$$n = 9$$

$$a_9 = 6 + 1 \times 5 = 11$$