

$$a_1 = 40 \quad a_n = 41 \quad d = \frac{41-40}{1} = 1$$

19

$$a_n = 40 + (n-1) \cdot 1 = 40 + n - 1 = 39 + n$$

$$40.8 = 39 + n \quad n = 40.8 - 39 = 1.8$$

✓

$$101, 108, \dots, 997$$

$$\frac{997 - 101}{7} + 1 = 129$$

✓

$$a_{n+1} + a_{n+2} + a_{n+3} = 3a_{n+2} = -4n + 12$$

$$3a_1 = -4(1) + 12 = 8 \Rightarrow a_1 = \frac{8}{3}$$

$$3a_{14} = -4(14) + 12 = -44 \Rightarrow a_{14} = -\frac{44}{3}$$

✓

$$1 - 3 - 5 = 2 - 4 + 1$$

$$2n-1 - 3 = 2n + 1$$

نقص

$$2-3, 3-4, 4-5$$

$$n=9$$

$$\frac{2^{n+1} - 1 + 2^n - 3}{2} = 2^{n+1} - 1$$

$$2^{n+1} - 3 \times 2^n - 1 = 0 \quad 2^n = 1$$

$$2^t - 3 \times 2^t - 1 = 0 \Rightarrow t = 0 \quad t = -1$$

$$a_{12} - a_{10} = 20$$

$$d = \frac{15 - 10}{2} = 2.5$$

$$a_{11} = 2 \times 2.5 + 10 = 15$$

$$a_{12} + a_{10} = 30$$

$$a_n = 2.5n - 10 = a_n$$

$$2.5n$$

$$a_{10} = \frac{15 - 5}{2} = 5$$

$$a_{11} = \frac{15 + 5}{2} = 10$$

✓

$$a_1 + a_r + a_v + a_l + a_o = \frac{1}{r} (a_u + a_v + a_l + a_q + a_o)$$

$$\omega a_r = \frac{1}{r} (\omega a_l)$$

$$\omega a + l.o.d = \frac{\omega}{r} a + \frac{r\omega}{r} d$$

$$\frac{l.o}{r} a = \frac{\omega}{r} d \rightarrow a = \frac{1}{r} d$$

$$\frac{a_r = a + d}{a_1 = a} = \frac{ra}{a} = r$$

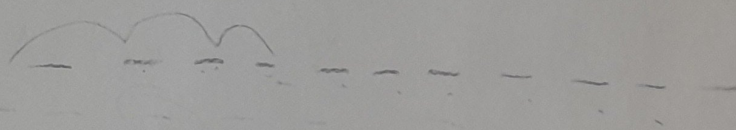
$$\frac{(t_q - t_o)(t_q + t_o)}{fd} = \frac{1d t_v}{t_v} = 1d = 1 \times \omega_s$$

$$d = \frac{l.o}{r} = \omega$$

$$\omega$$

$$r + \sqrt{r} - r + 1\sqrt{r} = \frac{1\sqrt{r}}{1\sqrt{r}} = \sqrt{r} = d$$

$$\omega$$



$$\frac{r r - r}{r n - r} = \frac{r_o}{r n - r} = d$$

$$\frac{q}{n} = \frac{r_o}{r n - r}$$

$$\frac{11 - r}{n} = \frac{q}{n} = d$$

$$r_o n = r n - 11 \rightarrow n = r$$

$$\omega$$

$$a + r d + a + 14 d = r a + 11 d = r n d + r a + r d$$

$$a_n + a_{n+r} = r a + r n d + r d$$

$$11 d = d (r n + r)$$

$$r n + r = 11 \rightarrow n = 1$$

$$a_1 = r (a_r)$$

$$a + r d = r a + r d$$

$$r a = -r d$$

$$\omega$$

$$r a = -r d$$

$$a - d \rightarrow a + d \rightarrow a_r$$

$$r a = -r d$$