

نام و نام خانوادگی: کلاس: ۱۲ پاسنامه تشریحی تکلیف شماره ۱۲

$$d = 9 - 5 = 4$$

$$a_1 = 4 \times 1 + b = 5 \Rightarrow b = 1$$

$$a_n = 4n + 1 \quad \text{الف}$$

$$a_{10} = 4 \times 10 + 1 = 41 \quad \text{ب}$$

$$d = 10 - 9 = 1$$

$$a_1 = 4 \times 1 + b = 9 \Rightarrow b = 5$$

$$S_n = \frac{n}{2} (2a_1 + (n-1)d)$$

$$220 = \frac{1}{2} (2 \times 9 + (10-1) \times 1) \quad \text{الف}$$

$$220 \text{ L } 224 \quad \text{ب}$$

$$\Rightarrow \frac{1}{2} (2 \times (9 \times 1 + 1) + 9 \times 1) = 224$$

$$d = 2 - (1 + \sqrt{3}) = 1 - \sqrt{3}$$

$$a_1 = 1 - \sqrt{3} + b = 1 + \sqrt{3}$$

$$\Rightarrow b = 2\sqrt{3}$$

$$\Rightarrow a_n = (1 + \sqrt{3})n + 2\sqrt{3}$$

$$a_{10} - a_{10} = 10 + 10\sqrt{3} + 2\sqrt{3} - (10 + 10\sqrt{3} + 2\sqrt{3}) = 2\sqrt{3}$$

$$2\sqrt{3}$$

$$2d = 2(1 - \sqrt{3}) = 2 - 2\sqrt{3}$$

$$\text{الف) } a^m, \mu, a^m, a^2 \Rightarrow a = a^{m+1} \Rightarrow m = \frac{2}{2} - 1 = 0$$

$$n + 2 = 4 \times 2$$

$$y = 2n + 1$$

$$y = 4 - n$$

$$n = 4 - 2, 2 = 4 - n \Rightarrow ny = 14$$

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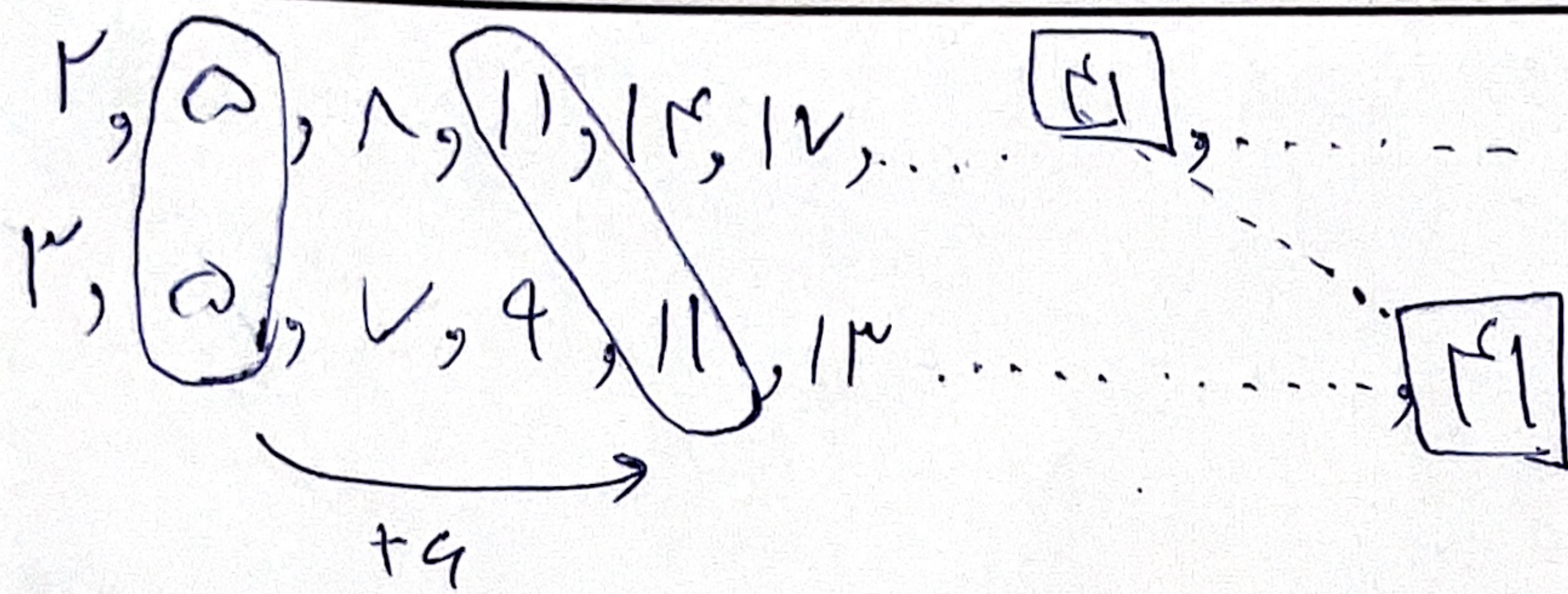
$$n = 4 - 2, 2 = 4 - n \Rightarrow ny = 14$$

$$ny = 14$$

$$d = 10 - 1 - 10 + 1 = 0 \Rightarrow r = 0.5$$

$$\Rightarrow -1, 0, 1 \Rightarrow a_1 = 1 + b = -1 \Rightarrow b = -2$$

$$\Rightarrow a_n = 1n - 2 \Rightarrow a_5 = (1 \times 5) - 2 = 3$$



$$q_n - 1 = \tau_1 \Rightarrow q_n = \tau_2 \Rightarrow n = v$$

$$\begin{aligned} q_1 + a_r + a_p &= \tau_{a_1} + \tau_d = \tau_1 \\ a_1 + a_p + a_d &= \tau_{a_1} + q_d = 10 \end{aligned} \Rightarrow \tau_d = \tau_1, d = \tau_1$$

$$\Rightarrow \tau_{a_1} + \tau_1 = \tau_1 \Rightarrow a_1 = -\tau_1 \checkmark$$

$$a_p - a_r + a_1 = a_1 + d = -\tau_1 + \tau_1 = 0$$

$$\frac{-\tau_1}{a} = \frac{-\tau_1}{-\tau_1} = 1$$

$$a_1 + a_r + a_p = \tau_{a_1} + \tau_d = 10 \Rightarrow a_1 + d = 10 \Rightarrow \tau_{a_1} + \tau_d = 10$$

$$a_r + a_d = \tau_{a_1} + \tau_d = 10$$

$$\Rightarrow d = 10 \Rightarrow d = \tau \Rightarrow \tau_{a_1} + q = 10 \Rightarrow a_1 = \tau$$

$$\Rightarrow a_n = \tau n - 1 \Rightarrow a_1 = \tau \times 1 - 1 = \tau - 1 \checkmark$$

$$2q = \frac{4}{\tau} (\tau_{a_1} + \tau_d) = 4 \times \frac{1}{\tau} (\tau_{a_1} + \tau_d)$$

$$\Rightarrow 4a_1 + 4q_d = \tau_{a_1} + \tau_d \Rightarrow 4a_1 = q_d \Rightarrow \tau_{a_1} = d$$

$$\Rightarrow a_n = \tau_{a_1} n - a_1 \Rightarrow \frac{\tau q a_1}{1 \tau_{a_1}} = \tau \checkmark$$

$$d = \frac{\tau d - 11}{v - 1} = \tau \Rightarrow a_n = \tau n + v$$

$$a_r = \tau \tau \Rightarrow \tau_1, 0, 0, \tau \tau \Rightarrow d' = \frac{\tau_1 - \tau}{\tau + 1} = a$$

$$\Rightarrow \tau_1, \tau_2, \tau_3, \tau_4, \tau_5, \tau_6 \checkmark$$