

۱۹, ۷۵

نام و نام خانوادگی: فرمان شیرین

پاسخنامه تشریحی تکلیف شماره ۱۳ کلاس A

$$d = \frac{91 \cdot 20}{2-1} = 1820$$

$$r_n = v \times n + b$$

$$\Rightarrow b = 1820 \Rightarrow a_n = v \times n + 1820 \Rightarrow 10 \times n = v \times n + 1820 \Rightarrow n = 1820$$

$$1820, 10, 10, 10, 10, \dots$$

$$\Rightarrow a_n = v \times n - 1820$$

$$\Rightarrow 10, 10, 10, \dots, 990 \Rightarrow n = \frac{990 - 10}{10} + 1 = 100$$

$$a_{n+2} = \frac{-9n + 18}{2} = -\frac{9n}{2} + 9$$

$$\Rightarrow a_{10+2} + a_{9+2} = -\frac{9 \times 10}{2} + 9 - \frac{9 \times 9}{2} + 9 = -135$$

$$r^{2n} - r^n + r^n - 1 = r^{2n+1}$$

$$\Rightarrow r^{2n} + r^n - r^n = r^{2n+1} \Rightarrow n = 1$$

$$\Rightarrow 10, 10, 10 \Rightarrow \sum_{k=1}^n r^k = 10$$

$$a_1 + 11d - (a_1 + 9d) = 2d = 20 \Rightarrow d = 10$$

$$a_1 + 11d + a_1 + 9d = 2a_1 + 20d = 2a_1 + 220 = 20$$

$$\Rightarrow a_1 = 10 = -20 \Rightarrow a_1 = -10$$

$$\Rightarrow a_{11} = -10 + 10 \times 10 = 90$$

$$\left. \begin{aligned} \omega a_1 + 1 \cdot d &= a_1 \\ \omega a_1 + r d &= r a_1 \end{aligned} \right\} \Rightarrow r a d = r a \Rightarrow 1 r a d = a$$

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$$\Rightarrow \omega a_1 + 1 \cdot d = 1 r a d \Rightarrow a a_1 = r a d$$

$$\Rightarrow r a_1 = d$$

$$\Rightarrow a r \div a_1 = (a_1 + r a_1) \div a_1 = (r) \checkmark$$

$$q_r = q_1 + 1 a$$

$$q_a = q_r + 1 a$$

$$q_g = q_r + 1 a$$

$$q_v = q_r + 1 a$$

$$q_v = q_1 + r$$

$$\frac{(q_g - q_a)(q_g + q_a)}{q_v} = r_x(q_r + a d - q_1 - r d) = r_x r d$$

$$d = \frac{q_1 + r - q_1 - 1 a}{r - r} = a$$

$$r_x r a d = r a$$

$$\Rightarrow \Delta$$

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

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

$$11 = \frac{r}{r n - r} \times n + r \Rightarrow q = \frac{r \cdot n}{r n - r} \Rightarrow r q n - 1 a = r \cdot n \Rightarrow q n = 1 a \Rightarrow n = r \checkmark$$

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$$a_1 + (n-1)d + a_1 + (n+r-1)d = a_1 + (r-1)d + a_1 + (1 r - 1)d$$

$$\Rightarrow r a_1 + r d (n+1) = r a_1 + r d (r) \Rightarrow n+1 = r \Rightarrow n = r$$

$$a_1 + 1 d = r a_1 + r d \Rightarrow r a_1 = -r d \Rightarrow a_1 = -d$$

$$\Rightarrow a_r = a_1 + d = a_1 - a_1 = 0 \Rightarrow \text{جوابی دوم ضرایب}$$

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