

$$\left. \begin{array}{l} a_1 = 40 \\ a_4 = 91 \end{array} \right\} \frac{a_1 - a_0}{4-1} \rightarrow \frac{591}{3} = d \rightarrow 10 = \frac{591}{3} n + \frac{1}{3} \times 3$$

$$P_0 A = \frac{1}{3} n + \frac{1}{3} \times 3 \rightarrow P_0 A = Vn + 3P \rightarrow n = (P_0 A) \checkmark$$

$$\frac{19}{3} n \rightarrow \frac{19}{3} n = 19 \rightarrow n = 3$$

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$$101 < Vn < 1011, 999V$$

$$\frac{999V}{V} + 1 \rightarrow \frac{1011}{V} + 1 = 1019$$

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$$VK + 3 \leq 999$$

$$VK \leq 996$$

$$K \leq 142$$

$$n = V(142) + 3 = 999V$$

$$VK + 3 \leq 1011$$

$$VK \leq 1008$$

$$K \leq 144$$

$$n = V(144) + 3 = 1011$$

$$a_{n+1} - a_n = d$$

$$a_{n+1} \rightarrow a + (n+1)d$$

$$a_{n+1} \rightarrow a + (n+1)d$$

$$-194 + 1 = -193$$

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$$a_{n+1} + a_{n+2} + a_{n+3} = a + nd + a + nd + d + a + nd + d = 3a + 3nd + 2d$$

$$3a + 3nd + 2d = 1019$$

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$$P a_n = a + a_{n+1} \rightarrow P a_n + 1 = p^1 - 1 + p^1 - 1 = 2p^1 - 2$$

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$$-10 + (n-1) \times 10 = 0$$

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$$a_{10} = \frac{10}{10} (10) - 10 = 10 - 10 = 0 \checkmark$$

1 $S_0 = a_1 + a_2 + a_3 + \dots + a_n + a_{n+1} + \dots + a_{2n}$ $S_1 = a_1 + a_2 + a_3 + \dots + a_n + a_{n+1} + \dots + a_{2n}$ $S_2 = a_1 + a_2 + a_3 + \dots + a_n + a_{n+1} + \dots + a_{2n}$	1 $S_0 = a_1 + a_2 + a_3 + \dots + a_n + a_{n+1} + \dots + a_{2n}$ $S_1 = a_1 + a_2 + a_3 + \dots + a_n + a_{n+1} + \dots + a_{2n}$ $S_2 = a_1 + a_2 + a_3 + \dots + a_n + a_{n+1} + \dots + a_{2n}$	1 $S_0 = a_1 + a_2 + a_3 + \dots + a_n + a_{n+1} + \dots + a_{2n}$ $S_1 = a_1 + a_2 + a_3 + \dots + a_n + a_{n+1} + \dots + a_{2n}$ $S_2 = a_1 + a_2 + a_3 + \dots + a_n + a_{n+1} + \dots + a_{2n}$	1 $S_0 = a_1 + a_2 + a_3 + \dots + a_n + a_{n+1} + \dots + a_{2n}$ $S_1 = a_1 + a_2 + a_3 + \dots + a_n + a_{n+1} + \dots + a_{2n}$ $S_2 = a_1 + a_2 + a_3 + \dots + a_n + a_{n+1} + \dots + a_{2n}$	1 $S_0 = a_1 + a_2 + a_3 + \dots + a_n + a_{n+1} + \dots + a_{2n}$ $S_1 = a_1 + a_2 + a_3 + \dots + a_n + a_{n+1} + \dots + a_{2n}$ $S_2 = a_1 + a_2 + a_3 + \dots + a_n + a_{n+1} + \dots + a_{2n}$
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