

۱۸, ۵

نام و نام خانوادگی: امیرحسین... پاسخنانه تشریحی تکلیف شماره ۱۲... کلاس: دهم... A

این) f_{n+1} ✓

$$\begin{array}{ccccccc} 0 & 9 & 1 & 5 & 1 & 0 \\ & \swarrow & \downarrow & \swarrow & \downarrow & \swarrow \\ & 4 & 4 & 4 & 4 & 4 \end{array}$$

ب) $f_{n+1} - f_n$ ✓

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این) $\delta(12 + 4 \times 4) = 24$ ✓

ب) $t_{29} + t_{30} + t_{31} + t_{32} = 118 + 122 + 124 + 126 = 490$ ✓
 $t_{39} = 2 \times 29 + 2 = 60$

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$t_{20} - t_{10} = t_{10} + rd - t_{10} = rd \Rightarrow rd = 2 - 2\sqrt{3}$ ✓
 $d = 2 - 1 - \sqrt{3} = 1 - \sqrt{3}$

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$y \times 20^x = 0^y + 0^{2x} \Rightarrow y = \frac{0^y + 0^{2x}}{0^{2x}} \Rightarrow y = \frac{0^y}{0^{2x}} + 1 \Rightarrow \frac{0^y}{0^{2x}} = 0$
 $\Rightarrow y - 2x = 1$
 $y = 2x + 1$

$f = x + y$
 $2x + 1 = f \Rightarrow x = 1$

$xy = 3$ ✓

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$f_{x-1} = y + 2x - 1$

$f_y = 2 \Rightarrow y = \frac{1}{2}$ ✓

$\begin{array}{ccccccc} -3 & 0 & 3 & 4 \\ & \swarrow & \downarrow & \swarrow \\ & 2 & 2 & 2 \end{array}$

$a_f = y$ ✓

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$a_n = 0, 0, 0, \dots$
 $b_n = 1, 0, 1, \dots$
 $c_n = 0, 1, 1, \dots$
 $d_n = 0, 1, 1, \dots$
 $[1, 1] = 1$
 $a_n = 0, 1, 1, \dots$
 $b_n = 1, 0, 1, \dots$
 $c_n = 0, 1, 1, \dots$
 $d_n = 0, 1, 1, \dots$
 $n \leq 10 \rightarrow n \leq 10$
 $n \leq 10 \rightarrow n \leq 10$

$a + a + d + a + d = 11 \Rightarrow 3a + 2d = 11 \Rightarrow a + d = \frac{11}{3}$
 $a + a + d + a + d = 10 \Rightarrow 3a + 2d = 10 \Rightarrow a + d = \frac{10}{3}$
 $\frac{a + d}{3} = \frac{a + d}{3} \Rightarrow \frac{11}{3} = \frac{10}{3} \Rightarrow \frac{1}{3} = \frac{1}{3}$
 $\frac{1}{3} = \frac{1}{3}$

$a + a + d + a + d = 10 \Rightarrow 3a + 2d = 10 \Rightarrow a + d = \frac{10}{3}$
 $a + a + d + a + d = 10 \Rightarrow 3a + 2d = 10 \Rightarrow a + d = \frac{10}{3}$
 $a + d = \frac{10}{3}$

$\frac{x}{y}(a_1 + a_9) = \frac{x}{y}(a_1 + a_9)$
 $a_1 + a_9 = 10 \Rightarrow a_1 = 10 - a_9 \Rightarrow a_1 = 10 - a_9$
 $a_1 = 10 - a_9 \Rightarrow a_1 = 10 - a_9$
 $\frac{a_1 + a_9}{a_1 + a_9} = \frac{10}{10} = 1$

$a_1 = 11 \quad a_9 = 10 \Rightarrow d = \frac{10 - 11}{8} = -\frac{1}{8}$
 $b_1 = 1 \quad b_{k+1} = 1$
 $d' = \frac{10 - 11}{k+1}$
 $10 + 1 \left(-\frac{1}{k+1} \right) = 10 - \frac{1}{k+1}$
 $10 - \frac{1}{k+1} = 10 - \frac{1}{k+1}$

$a_f = a_1 + r d = 11 + r(-\frac{1}{8}) = 11 - \frac{r}{8}$
 $b_n = 1, 0, 0, 0, \dots, 1$
 $b_f = 1 + r d = 1 - \frac{r}{8} \rightarrow d' = -\frac{1}{8}$
 $\frac{10 - 11}{n+1} = -\frac{1}{8} \rightarrow n = 7$