

19, 175

باسخنامه تشریحی تکلیف شماره ۱۲... کلاس... B

نام و نام خانوادگی...

$t_n: 0, 9, 13, 17$

$$a_n = \varepsilon n + 1$$

(الف)

۱

$$a_4 = \varepsilon(10) + 1 = \varepsilon 11$$

(۲)

(ب)

$t_n = \frac{\varepsilon}{2} (10 + 18) = 14\varepsilon$

$$t_n = \varepsilon n + 1$$

$$S_{10} = \frac{10}{2} (11 + 22) = 165$$

(الف)

۲

(۲)

$$S_{18} - S_7 = \frac{\varepsilon}{2} ((19(18) + 1) + (13(18) + 1)) = 199$$

(ب)

$t_n: 1 + \sqrt{3}, 2, 3 - \sqrt{3}$

(الف)

۳

(۲)

$$t_{10} - t_m = 2 \Rightarrow 1 - 2\sqrt{3}$$

$a_n: 0, 1, 2, 3, 4 \Rightarrow a_n: 0, 1, 2, 3, 4$
 $b_n: x, y, z \Rightarrow b_n: x, y, z$

$$2x + 1 = y$$

$$r = \frac{x+1}{y} \Rightarrow r = \frac{x+1}{x+1} = 1$$

$$x = 1$$

$$xy = 2$$

(۲)

۴

$t_n: 2x-1, 2x-1, 2x$

$$(2x-1) + 1 = 2x \Rightarrow x = \frac{1}{2}$$

$$t_5 = 4x + 1 = 2 + 1 = 3$$

(۲)

۵

$a_n = 9 \Delta V$ $a_n = 2n+1 \rightarrow$ $b_n = 2n-1 \rightarrow$ $b_n = 2(n-1) + 1 = 2n-1$
 $b_n = 2n-1$ $b_n = 2n-1 \rightarrow$ $b_n = 2(n-1) + 1 = 2n-1$
 $a_{n-1} \leq \epsilon$ $n \in \mathbb{N}$ $a_n = 2n+1$ $b_n = 2n-1$ $b_n = 2(n-1) + 1 = 2n-1$
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