

$$t_n = 0, 9, 13, 17, \dots$$

الف) $f_n = 1$
ب) $t_n = 1$

$$f_n = 0, 10, 15, 19, \dots$$

$$f_n + 7 = 0, 17, 22, 26, \dots$$

$$S_n = (1 + 4n) \frac{n}{2} = 2n \times \frac{n}{2} = n^2$$

$$1 + \sqrt{2}, 2, 2 - \sqrt{2}, \dots$$

$$a_n = 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, \dots$$

$$x_n = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, \dots$$

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15.11

$$\begin{aligned} \Delta_1 &= 17 \\ \Delta_2 &= 11 \end{aligned}$$

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9

10

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10