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$$t_n = 11n^2 - 1 \rightarrow t_1 = 11(1)^2 - 1 \rightarrow t_1 = 10$$

$$t_n = 11n^2 - 1 \quad t_n = 11 \quad \left\{ \begin{array}{l} t_n = 11n^2 - 1 \rightarrow t_n = 104 \\ t_n = 11n^2 - 1 \rightarrow t_n = 104 \end{array} \right\} t_n = 11n^2 - 1 \rightarrow t_n = 104$$

$$t_n = 11n^2 - 1 = 104$$

$$104, 11, 104, 11, 104, 11, \dots$$

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$$\frac{11}{104} \text{ و } \frac{104}{11} \text{ و } \frac{1}{104} \text{ و } \frac{104}{1} \text{ و } \dots$$

$$t_n = \frac{11n+1}{n+1} \rightarrow t_1 = \frac{11(1)+1}{1+1} = \frac{12}{2} = 6 \quad \left\{ \begin{array}{l} t_n = \frac{11n+1}{n+1} = 6 \\ t_n = \frac{11n+1}{n+1} = 6 \end{array} \right\}$$

$$t_n = \frac{11n+1}{n+1} = \frac{11}{1} = 11 \quad \left\{ \begin{array}{l} t_n = \frac{11n+1}{n+1} = 11 \\ t_n = \frac{11n+1}{n+1} = 11 \end{array} \right\} t_n = \frac{11n+1}{n+1} = 11$$

$$t_n = \frac{(-1)^n}{\sqrt{n+1}} \rightarrow t_{11} = \frac{(-1)^{11}}{\sqrt{11+1}} \rightarrow \frac{-1}{\sqrt{12}} = -\frac{1}{\sqrt{12}}$$

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$$t_n = 11n - \left[\frac{n}{11} \right] \quad t_{11} = 11(11) - \left[\frac{11}{11} \right] \rightarrow 121 - [1] = 120$$

$$121 - 1 = 120$$

$$t_1 = 1a + b = 1 \quad (9a + b) - (1a + b) = 12 - 1$$

$$t_9 = 9a + b = 12 \quad 8a = 11 \rightarrow a = \frac{11}{8}$$

$$11a + b = 12 \quad \left\{ \begin{array}{l} 11a + b = 12 \\ 11a + b = 12 \end{array} \right\} b = 12 - 11a = -1$$

$$t_n = 11n - 1$$

$$t_n = 11n - 1 = 12 - 1 = 11$$



