

۲. آفرین

۱) $\epsilon = 1, 3, 12, 22$
 $+ \epsilon \quad + \nu \quad + 1$

$1^2 + 0, 2^2 + 1, 3^2 + 3, 4^2 + 6$
 $\frac{n \times n - 1}{2}$

$10^2 + \frac{10 \times 9}{2} = 155$
 (۲)

۲) $\frac{1}{1} - 1, \frac{1}{2} - 2, \frac{1}{3} - 3, \frac{1}{4} - 4, \dots, \frac{n \times n - 1}{2} = 110$

$n \times n - 1 = 110$ (۲)

۳) $\frac{1}{1} = 1, 9, 11 \rightarrow \epsilon n + 1$

$\epsilon \times 11 + 1 = 150$

$\frac{1}{2} = 0, 8, 11$

$\epsilon a + 11a = 110$ (۲)

$0 + 11, 8 + 9, 11 + 11$
 $\frac{11}{2} + 11$

$11n - 3$

$11 - 3 = 8$

۴) $\frac{1}{2} = -1$

$\frac{1}{2} = \frac{1}{2}$

$\frac{1}{2} + 1 = \frac{3}{2}$ (۲)

۵) $-27 - 21 = -48$

$-5n + 22 = -48$

$-5n = -70$ (۲)

$n = 14$

۶) $a - b - (a - b) = 12$

$12a = 12$
 $a = 1$

$a - b - a + b =$

$12a =$
 $12 \times 1 = 12$ (۲)

۷) $-x + a + b = v$
 $\epsilon a + b = 1a$

$2a = 1$
 $a = \frac{1}{2}$

$b = -1$

$\epsilon \cdot 1 = 1$
 $1 \cdot 1 = 1$
 $1 \cdot 1 = 1$

$11n - 11$ (۲)

۸)

$110 = \epsilon a - 2$

$120 = 2a + 3$

$\frac{\epsilon a - 2}{2a + 3} < \frac{11}{2}$

$9a + 9 > 11a - 11$

$11 > 2a$

$5.5 > a$ (۲)

۹

۱۰، ۱۱، ۱۲، ۱۳، ۱۴، ۱۵

9)

$$\begin{array}{ccccccc} 7 & 9 & 9 & 9 & 9 & & \\ + & 1 & + & 0 & - & 1 & \\ \hline & & & & & & -1 \end{array}$$

$$a = 1/10$$

$$1/10 n^r + Bn = 9$$

$$-1/10 + B = 9$$

$$B = 91/10$$

(✓)

$$\frac{1 \times 1/10 + 0 \times 91/10}{-1/10} = \frac{1/10}{-1/10} = \frac{1}{-1} = -1$$

1.)

$$\begin{array}{ccccccc} -4 & 9 & 9 & 9 & 9 & \dots & \\ + & 1 & + & 0 & - & 1 & \\ \hline & & & & & & +1 \end{array}$$

$$c = 9$$

$$a = 1$$

$$b = -1$$

}

$$n^r - n - 9$$

$$\begin{array}{l} 9 + 1 = 10 \\ 11 - 9 - 9 = 99 \end{array}$$

$$\frac{1 - 1/10}{-1/10} = \frac{9/10}{-1/10} = -9$$

$$1/10 n^r - 1 = n^r - n - 9$$

$$1/10 n^r = n^r - n - 8$$

$$1/10 = 9$$

$$1. \quad \begin{array}{l} b = 1/10 \\ b = 9 \end{array}$$