

دوم، سه

تکلیف سر ۱۳

تاریخ اجرا تغییر

۱۷/۵

سوال ۱

$\epsilon_0 + \epsilon_d = 41$

$d = \sqrt{V}$

$\epsilon_0 = 1.5$

$n = 2$

$a_n = 2.8, a_1 = 1, a_2 = 41$

$n = 2.5$

$\epsilon_0 + \sqrt{n} - \sqrt{V} = 2.1$

$n = 2.5$

$\epsilon + \sqrt{1} = 2.5$

$\epsilon = 2$

$a_{11} + a_{12} = ?$

$a_{n+1} + a_{n+2} + a_{n+3} = 4n + 12$

سوال ۳

$n+1 = a_{11} + a_{12} + a_{13} = 4n + 12$

$a_{11} = a_{12} = a_{13} = \Delta \epsilon$

$(a_{11} + a_{12}) + (a_{12} + a_{13}) + (a_{13} + a_{11}) = 1.2$

$2(a_{11} + a_{12}) = 1.2 \rightarrow a_{11} + a_{12} = 0.6$

$\epsilon = 2$

$a_{11} + a_{12} = a_{13} + a_{14}$

$r^x - r^y = r^z - r^w = k$

$r^x \left(\frac{r^y}{r^x} - 1 \right) = r^z \left(\frac{r^w}{r^z} - 1 \right) \rightarrow r^x \times \Delta - \epsilon = r^z \times \Delta$

$a_{10} = r^x, a_1 = r^{x+1}, a_2 = r^{x+2}$

$a_{10} = 12, a_1 = 1, a_2 = 2$

$12 + 1 + 2 = 15$

$\epsilon = 2$

$a_{11} + a_{12} = 10$

$a_{11} - a_{12} = 0$

$r a_{11} = 10 \rightarrow a_{11} = 10$

$a_{11} = 10$

$a_{12} = 10$

$a_{13} = 10$

$a_{11} = ?$

$a_{12} = ?$

$-10 + 0 = -10$

$a_1 + a_{12} = 10, a_{12} - a_1 = 0$

سوال ۵

$r(a_{11} = 1) \Delta$
 $r(a_{12} = 10) \Delta$
 $r(a_{13} = ?) \Delta$
 $\rightarrow \epsilon = 2.5 \Delta$

$\epsilon = 2$

$a_1 + a_2 + a_3 + a_4 = \frac{1}{r} (a_1 + a_2 + a_3 + a_4)$

$a_1 + a_2 = \frac{1}{r} (a_1 + a_2) \rightarrow a_1 + a_2 = \frac{1}{r} (a_1 + a_2) = 10 + 10 = 20$

$\frac{a_1}{a_2} = ?$ $S_n = \frac{1}{r} (a_1 - a_{n+1})$

$\frac{a_1 + a_2}{a} = \frac{20}{10} = 2$

$\epsilon = 2$

$a_n - a_{n-2} = 10$
 $\epsilon d = 10 \rightarrow d = 5$

$(a + \epsilon) - (a + r\epsilon)$
 $a + \epsilon$

$\frac{t_1 - t_2}{t_1} = \frac{t_2 - t_3}{t_2}$
 $\rightarrow \epsilon = 2$

$t_1 = t_2 + r \cdot 10$

سوال ۶

$\frac{10 + \epsilon \cdot 10}{a + r} = \frac{10 + \epsilon \cdot 10}{a + r}$
 $\rightarrow \epsilon = 2$

$\epsilon = 2$

$$a_1 = 1(1-4\sqrt{1}) = -3, -2, -1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100$$

$$d = \frac{r_2 - r_1}{14} = \frac{14\sqrt{1} - 1}{14} = \sqrt{1} = 1$$

$$d = \frac{a_m - a_n}{m - n}$$

1. دال

$$r_1, a_1, \dots, r_{n-1}, a_{n-1}, r_n$$

$$a_{n-1} = a + (n-1)d$$

$$r_n = r + (n-1)d \rightarrow d = \frac{10}{r_{n-1}}$$

$$r_n - r = 9 \rightarrow 10 - 1 = 9$$

1. دال

$$a_{n-1} = a + (n-1)d$$

$$r_n = r + (n-1)d$$

$$a_{n+1} = a + nd$$

$$11 = r + \frac{10n}{r_{n+1}} \rightarrow \frac{10n}{r_{n+1}} = 9 \rightarrow 10n = 9r_{n+1} - 9$$

$$-r_n = -9 \rightarrow n = 9$$

$$d = 1$$

$$a_1 = 0$$

$$a_m = 0$$

$$a + (m-1)d = 0$$

$$-d + dm - d = 0$$

$$r-d = +dm$$

$$m = 1$$

$$a_n = r a_n$$

$$a_n = r(a_n)$$

$$a + nd = r a + qd$$

$$r-d = r a \rightarrow a = -d$$

$$a_n + a_{n+1} = a + a_{n+1}$$

$$n + n + 1 = r + 1$$

$$r_n + 1 = r \rightarrow r_n = 1 \rightarrow n = 1$$

$$d = 1$$