

تاریخ

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(1) الف $\rightarrow$ r_{h+1}

ب $\leftarrow r_x(1.0)+1 = \boxed{4}$

$r_{x1} + r_2 = r_2$
(مقی)

r_{h+2}

(2) الف

$S_1 = \frac{1}{\Delta x} \left(\frac{r_1 + r_2}{2} \right) = \frac{1}{2} (1.2)$

$r_x(1) + r_2 = r_2$
(مقی)

$r_{x1} + r_2 = \omega$

$\frac{r_1 + r_2}{2} (r_1 + \omega) = \boxed{1.61}$

1/3

$\frac{r_x + \omega}{2} = r_x r_2 \omega \rightarrow \omega + \omega = 2(r_x r_2 \omega)$
 $\omega = r_x \omega$

1/4

$r_x(1) - r_1, r_x(1) - 1, r_x(1) - \frac{1}{2}$ $\frac{r_{x1} - r_1 + r_{x2}}{2} = r_x - 1$ (5)

$-r_{x0}, r_{x1}, r_{x2}, r_{x3}, r_{x4}$ (6)

$r_{x1} - r_1 + r_{x2} = r_x - 1$

$r_x = 2 \rightarrow x = \frac{1}{2}$

$$a_h = 3, 5, 7, 9, 11, 13, \dots$$

$$b_h = 1, 5, 9, 13, \dots$$

(2) 6

$$a_1 + a_2 + a_3 = 11, \quad a_1 + a_2 + a_3 = 10$$

(7) 6

$$|a_n| = 1$$

$$a_n = \pm \sqrt{2}$$

$$a_1 + a_2 + a_3 = 10 / a_1 + a_2 = 10 / a_1 = 1$$

$$|a_n| = 1$$

$$a_1 + a_2$$

$$a_n = \pm \sqrt{2}$$

19

$$S_n = 45 \quad \frac{a_n}{a_1} \rightarrow$$

$$1, r, \dots, r^{n-1} = 45 (1 + r + r^2)$$

$$a_1 d = 10$$

$$11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1$$

$$a_1 = 1 \quad a_n = 10 \rightarrow \frac{a_n}{a_1} = 10 \rightarrow d = 10 \rightarrow d = 10$$

(8) 11

$$a_1 = 1$$

$$a_n = 10$$

$$a_1 = 1$$

$$\frac{a_n}{a_1} = 10$$

$$10d = 9 \rightarrow d = 0.9$$

$$d = 0.9$$

$$1, 1.9, 3.8, 5.7, 7.6, 9.5, 11.4, 13.3, 15.2, 17.1, 19$$

$$19$$

dn