

$$f(n) = f(n+1)$$

$$\frac{1}{n} \left(\frac{1}{n} + \frac{1}{n} + \frac{1}{n} + \frac{1}{n} + \dots \right)$$

1. دیا ناظر حوالہ

$$f(n) = f(n+1)$$

$$f(n) = \frac{1}{n} (f(n) + (1-n)d)$$

$$\frac{1}{n} (f(n) + (1-n)d) = f(n) \Rightarrow f(n) = \frac{1}{n} f(n)$$

$$f(n) = f(n) + f(n) + f(n) + f(n)$$

$$f(n) = f(n) + (n-1)d = f(n) + f(n) - f(n) = f(n) + d$$

$$\left. \begin{aligned} f(n) &= \frac{1}{n} f(n) \\ f(n) &= \frac{1}{n} f(n) \\ f(n) &= \frac{1}{n} f(n) \\ f(n) &= \frac{1}{n} f(n) \end{aligned} \right\} \Rightarrow f(n) = \frac{1}{n} f(n)$$

$$f(n) = f(n) - f(n) = f(n) - f(n)$$

$$f(n) = 1 + \sqrt{n} + (n-1)(1-\sqrt{n})$$

$$f(n) = 1 + \sqrt{n} = 1 + \sqrt{n}$$

$$\left. \begin{aligned} f(n) &= 1 + \sqrt{n} + 2\sqrt{n}(1-\sqrt{n}) = 1 + \sqrt{n} - 2\sqrt{n} = 1 - \sqrt{n} \\ f(n) &= 1 + \sqrt{n} + 2\sqrt{n}(1-\sqrt{n}) = 1 + \sqrt{n} - 2\sqrt{n} = 1 - \sqrt{n} \end{aligned} \right\} \Rightarrow f(n) = 1 - \sqrt{n}$$

$$f(n) = 1 - \sqrt{n} = 1 - \sqrt{n}$$

$$f(n) = f(n) \Rightarrow f(n) = 1 - \sqrt{n}$$

$$f(n) = \frac{1}{n} f(n) - \frac{1}{n} f(n) = \frac{1}{n} f(n) - \frac{1}{n} f(n) \Rightarrow \frac{1}{n} f(n) = \frac{1}{n} f(n) = \frac{1}{n} f(n)$$

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$(\gamma) a_1 + m + a_p = 12$
 $(\delta) a_p - m + a_1 = ?$
 $(\epsilon) a_1 + a_p = a = 10$
 $(\zeta) a_1 + m + 1d + m + 1d = 10$

$a_n = a_1 + (n-1)d$
 $a_p = a_1 + 1d$
 $a = a_1 + 1d$
 $a_p - a_1 = d$

$(\eta) a_1 + 1d - a_1 + d + a_1 = ?$
 $-1 + (1+1) + 1 = 1$
 $-1 = 1$

$a_1 + 1d = 10$
 $a_1 + 1d = 10$
 $a_1 + 1d = 10$

$a_n = 1, 2, 3, \dots, a_n = 1 + (n-1) = n$
 $b_n = 1, 2, 3, \dots, b_n = 1 + (n-1) = n$
 $a_p = 1 + 1(1) = 2$
 $b_p = 1 + 1(1) = 2$

$a = 1 + (n-1) \leq 10 \rightarrow 1(n-1) \leq 9 \rightarrow n-1 \leq 9$
 $n \leq 10$

$a_1 + a_p = 10$
 $a_1 + d = a_p$
 $(a_1 + 1d) + (a_1 + 1d) = 10$
 $2a_1 + 2d = 10$
 $a_1 + d = 5$
 $1 = 5 - d$
 $d = 4$

$a_1 + 1d = 10$
 $a_1 = 10 - 1d$
 $a_1 = 10 - 1(4) = 6$

$S_9 = \frac{9}{2} (2a_1 + 1d) = \frac{9}{2} (2(6) + 1(4)) = 9(7) = 63$
 $9(2a_1 + 1d) = 9(2(6) + 1(4)) = 9(14) = 126$
 $2a_1 + 1d = 14$
 $2(6) + 1(4) = 14$

$a_1 = 6$
 $d = 4$

$a_1 = 11$
 $a_p = 11 + (p-1)d$
 $a_p = 11 + 4d$
 $11 + 4d = 11$
 $4d = 0$
 $d = 0$

$a_p = a_1 + (p-1)d$
 $a_p = 11 + (p-1)0$
 $a_p = 11$

$b_1 = 1$
 $b_p = 1 + (p-1)d$
 $b_p = 1 + 4(p-1)$
 $b_p = 4p - 3$

$b_p = 11$
 $4p - 3 = 11$
 $4p = 14$
 $p = 3.5$

$(1) a_1 + a_2 + a_3 = 10$
 $(2) a_2 + a_3 + a_4 = ?$
 $(3) a_1 + a_2 = a_3 = 10$
 $(4) a_1 + a_2 + 2d + a_3 + 2d = 10$
 $4a_1 + 4d = 10 \Rightarrow a_1 + d = 2.5$

$a_n = a_1 + (n-1)d$
 $a_2 = a_1 + d$
 $a_3 = a_1 + 2d$
 $a_4 = a_1 + 3d$

$(5) a_1 + 2d + a_2 + d + a_3 = ?$
 $-1 + (2+1)d + (-1) + 1d = 2$
 $-1 + 4d = 2 \Rightarrow 4d = 3 \Rightarrow d = 0.75$

$a_1 + a_2 + a_3 = 10$
 $a_1 + a_2 + a_3 = 10$
 $a_1 + a_2 + a_3 = 10$

$a_n = 1, 2, 3, \dots, a_n$
 $a_1 = 1, a_2 = 2, a_3 = 3, \dots$
 $b_m = 1, 2, 3, \dots, b_m$
 $a_1 = 1, a_2 = 2, a_3 = 3, \dots$
 $b_1 = 1, b_2 = 2, b_3 = 3, \dots$
 $a_1 + a_2 + a_3 = 10$
 $b_1 + b_2 + b_3 = 10$

$a_1 + a_2 + a_3 = 10$
 $b_1 + b_2 + b_3 = 10$

$a_1 + a_2 + a_3 = 10$
 $b_1 + b_2 + b_3 = 10$

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 $a_1 + a_2 + a_3 = 10$

$S_9 = \frac{9}{2} (2a_1 + 1d) = \frac{9}{2} (2a_1 + d)$
 $9(a_1 + 1d) = 9(a_1 + d)$
 $9a_1 + 9d = 9a_1 + 9d$

$a_1 = 11$
 $a_2 = 12$
 $a_3 = 13$
 $a_4 = 14$
 $a_5 = 15$
 $a_6 = 16$
 $a_7 = 17$
 $a_8 = 18$
 $a_9 = 19$

$b_1 = 1$
 $b_2 = 2$
 $b_3 = 3$
 $b_4 = 4$
 $b_5 = 5$
 $b_6 = 6$
 $b_7 = 7$
 $b_8 = 8$
 $b_9 = 9$

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 $a_7 = 17$
 $a_8 = 18$
 $a_9 = 19$

$b_1 = 1$
 $b_2 = 2$
 $b_3 = 3$
 $b_4 = 4$
 $b_5 = 5$
 $b_6 = 6$
 $b_7 = 7$
 $b_8 = 8$
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 $b_2 = 2$
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 $b_9 = 9$