

$$f_n = 5, 9, 13, 17, \dots$$

درست است

$$f(10) + 1 = f(11) \quad \text{ب) } f_{n+1} \quad \text{الف)}$$

$$f_n = 9, 1, 13, 17$$

$$\text{الف) } f_n = \frac{n}{r} (r a_1 + (n-1)d) \rightarrow f_{10} = 5 (17 + (9)(\cancel{f_n})) = 145$$

$$\text{ب) } f_n = 5, 9, 13, 17, \dots \quad a_1 + r d + a_1 + r d + a_1 + r d + a_1 + r d = 4a_1 + 12r$$

$$f_n^{(9)} + 118 (f) = 145 + 118r = 145$$

$$f_n = 1 + 5r, 2, \dots, 13 - 5r \quad d = 2 - 1 - 5r = 1 - 5r$$

$$f_{10} - f_{11} = a_1 + r d - a_1 + r d = 2r d$$

$$r(1 - 5r) = 2 - 10r$$

$$a_n = 5r, 10r, 15r, \dots, \omega^y \quad \omega^y = \omega^{10r} + \omega^y$$

$$b_n = x, r, y$$

$$r x + 1 + x = f$$

$$r x + 1 = f \quad x = 1$$

$$y = 13$$

$$x y = 13$$

$$f_n = 1, 2, 3, \dots, 10, 11, 12, \dots$$

$$r x + r = 9x$$

$$r = 8x \quad x = \frac{1}{8}$$

$$f_n = 10 - 8$$

$$f_r = 12 - 8 = 4$$

$$f_r = 4 \left(\frac{1}{8} \right) + 10 = 10.5$$

$$a_n = 1, 2, 3, \dots, 11, 12, 13, \dots$$

$$b_n = 1, 2, 3, \dots, 11, 12, 13, \dots$$

$$r(r_0) - 1 = 59$$

$$c_n = 9n + 10$$

$$9n + 10$$

$$d_1 + a_1 + a_2 = 11$$

$$a_1 + a_2 + a_3 = 1.2$$

$$a_1 - a_2 + a_3 = ?$$

$$r a_1 + r d = 11$$

$$r a_1 + r d = 1.2$$

$$9_1 + r d - (a_1 + d) + a_1 =$$

$$a_1 + d = \frac{r_1}{r} = 11$$

$$(a_1 + r d) = 12$$

$$d + a_1 = 11$$

$$a_1 = 11 - 12 = -1$$

$$a_1 + d = 11$$

$$a_1 + r d = 12$$

$$d = 12$$

$$\begin{aligned}
 a_1 + a_f + a_p &= 1 \quad a_f + a_d = 1 \quad a_1 + a(v) = 1 - \mu v = 1 - \mu \\
 \mu a_1 + \mu d &= 1 \quad (\mu a_1 + \mu d = 1) \\
 a_1 + d &= 1 \\
 a_1 + a_p &= 1 \quad \rightarrow \mu a_1 + \mu d = 1 \quad a_1 = 1 - \mu = (1 - \mu)
 \end{aligned}$$

$$\begin{aligned}
 a_1 \neq 0 \quad a_1 + \mu a_1 &= \mu a_1 \\
 a_1 + 1 \mu a_1 &= 1 \mu a_1 \\
 S_q = q S_p \quad \frac{q}{r} (\mu a_1 + 1 d) &= q + \frac{\mu}{r} (\mu a_1 + \mu d) = \\
 q (a_1 + \mu d) &= \mu v (a_1 + d) \\
 q a_1 + \mu d &= \mu a_1 + \mu d \quad q d = 1 \mu a_1 \quad d = \mu a_1
 \end{aligned}$$

$$\begin{aligned}
 a_1 = 1 \quad a_v = \mu a \\
 11 a_1 + a d &= \mu a \\
 a d &= \mu a \quad \boxed{EF} \\
 a_f &= a_1 + \mu (f) = \\
 \mu a, \mu \mu, \mu a, \mu \mu, 1 a, 1 \mu & \\
 11 + 1 \mu &= \mu \mu \\
 t_1 = \mu a \quad \frac{t_m - t_1}{m} &= d \quad -10 \\
 t_f = \mu \mu \quad \frac{t_1 + \mu (d)}{\mu} &= \mu \frac{1 \mu - \mu a}{m+1} = d = -a \\
 \mu a \quad \mu d = \mu \mu - \mu a &= -10 \\
 d &= -a \\
 m &= \frac{-\mu a}{-a} = \mu \\
 \text{sum of new, } f &\leftarrow \mu
 \end{aligned}$$