

مسأله قرمانی بنویس (قران) C

$$a_1 = 1, d = 1 \rightarrow d = \frac{a_1 - a_0}{1} = \frac{1}{1} = 1$$

$$V_n + 23 \leq 2.1$$

$$V_n \leq 2.1$$

$$n \leq 2.1$$

$$a_n = 1.01, 1.02, 1.03, \dots, 1.09$$

$$n = \frac{1.09 - 1.01}{0.01} + 1 = 9$$

$$a_{n+1} + a_{n+2} + a_{n+3} \rightarrow a_n + d + a_n + d + a_n + d$$

$$3a_n + 3d = 3a_1 + 3d \quad n=1 \rightarrow 3a_1 + 3d = 3 \times 1 + 3 \times 1 = 6$$

$$n=2 \rightarrow 3a_2 + 3d = 3 \times 1.01 + 3 \times 1 = 6.03$$

$$3a_1 + 3d = 6$$

$$3a_1 + 3d$$

$$- 3a_1 + 3d$$

$$3d = 0.03 = 3$$

$$d = 1$$

$$a_1 = 1$$

$$a_{17} = 1 + 16(1) = 17$$

$$a_n = 1 + (n-1)(1) = n$$

$$\rightarrow 17$$

$$a_n = 1$$

$$a_n = 1$$

$$a_{17} = 17$$

$$a_1 + a_2 + a_3 + \dots + a_n$$

$$1 + 2 + 3 + \dots + n$$

$$= \frac{n(n+1)}{2}$$

$$a_n = 17 \rightarrow 17 \times 17 = 289$$

$$\rightarrow \frac{a_1 + a_n}{2} \times n$$

$$a_{11} = a_1 + 10d = 2 + 10 \times 3 = 32$$

$$a_{11} = a_1 + 10d$$

$$2 + 10 \times 3 = 32$$

$$a_{11} = 32 = a_1 + 10d$$

$$10 \times 3 + 11(2/10)$$

$$a_1 = 32$$

4

$$a_1 + a_2 + a_3 + a_4 + a_5 = \frac{1}{5} (a_1 + a_2 + a_3 + a_4 + a_5)$$

$$5a_1 + 10d = \frac{1}{5} (5a_1 + 50d)$$

$$5(a_1 + 10d) = 5a_1 + 50d$$

$$10a_1 + 50d = 5a_1 + 50d$$

$$10a_1 = 5a_1 \rightarrow a_1 = \frac{1}{2}d$$

$$a_1 = 0 + d = \frac{1}{2}d = \frac{1}{2} \times 3 = \frac{3}{2}$$

$$\frac{a_1}{a_1} = \frac{\frac{3}{2}d}{\frac{1}{2}d} = \frac{3}{1} = 3$$

$$t_a - t_b = \frac{(t_a + t_b)(t_a - t_b)}{t_d} = \frac{t_a - t_b}{t_d}$$

$$t_n = t_{n-1} + d$$



