

(1)

(1)

(M

(μ

(10)

31

(2)

14

1

~~2~~

V

5.

ملامہ

(1)

(a)

$$a_n + a_{n+4} = a_1 + a_{17}$$

$$n + n + 4 = 20 \rightarrow 2n = 16 \rightarrow n = 8$$

$$a_8 = 3a_1 \rightarrow a_8 = 3a_1$$

$$a_1 + 7d = 3a_1 + 9d \rightarrow -2a_1 = 2d \rightarrow a_1 = -d$$

$$a_n = a_1 + (n-1)d = 0$$

$$a_n = -d + nd - d = 0$$

$$a_n = -2d + nd$$

$$-2d + nd = 0 \rightarrow nd = 2d$$

$$\underline{n=2}$$