ex.4. C. 
$$r^{2}-6r+6=0$$

$$= \frac{2}{4}$$
 $r_{1}=2$   $r_{2}=4$ .

 $\alpha n = \lambda_{1} \cdot 2^{n} + \lambda_{2} \cdot 4$ 

$$\alpha 0 = 4 = \lambda_{1} + \lambda_{2}$$

$$\alpha 1 = 10 = 2\lambda_{1} + 4\lambda_{2}$$

$$S^{2}=1$$

$$\lambda_{1}=3$$

$$\alpha n = 3x 2^{n} + 4^{n}$$

$$d. \quad r^{2} - 2r + 1 = 0 \quad r_{1} = r_{2} = 1$$

$$d_{1} = 0 \quad r_{1} = r_{2} = 1$$

$$d_{2} = 0 \quad r_{1} = r_{2} = 1$$

$$Q_{1} = 0 \quad r_{1} = r_{2} = 1$$

$$Q_{2} = 0 \quad r_{1} = r_{2} = 1$$

$$Q_{3} = 0 \quad r_{4} = r_{2} = 1$$

$$Q_{1} = 1 = 0 \quad r_{1} = r_{2} = 1$$

$$Q_{1} = 1 = 0 \quad r_{1} = r_{2} = 1$$

$$Q_{1} = 1 = 0 \quad r_{1} = r_{2} = 1$$

$$Q_{1} = 1 = 0 \quad r_{1} = r_{2} = 1$$

$$1 \propto_2 = -3$$

$$\therefore \Omega_n = 4 - 3n$$

22. 
$$M_{-1} = 3$$
  $M_z = 2$   $M_s = 2$   
so the general from
$$(a_{1,0} + a_{1,1} \times N + a_{1,2} n^2)(-1)^n + (a_{2,0} + a_{2,1} n) \cdot 2^n + (a_{3,0} + a_{3,1}) \cdot 5^n + a_{4,0} \cdot 7^n$$

$$+ a_{4,0} \cdot 7^n + a_{1,1} \cdot 2^n + a_{1,2} \cdot 7^n + a_{1,$$

$$a_0 = 2 = \alpha$$
  
 $a_0 = 2 = \alpha$   
 $a_1 = 2 + n \cdot 2$