2 an+2 - 71 an+1+5 an =0 n>0 ao=2, an=-8 2 x2 - 71x + 5 = 0 X7 = = - 1 V1 = Y2 x2 = 5 -0 12 Formula an = K1Y1" + K2Y2" 2 = K,+K2 1 multiplicamos (5) -8 = 3 K1 + 5K2 2 (+5) -0 -10 = -5 K_1 - 5 K_2 -8 = $\frac{1}{2}$ K_1 + 5 K_2 -18 = - $\frac{9}{2}$ K_1 $K_1 = 4 (3)$ Remplazamos (3) en (1) / Ahora 2= 4+ K2 $an = 4\left(\frac{1}{2}\right) + 2\left(5\right)^n$ -2- KZ

3 3an+1-2an+an-1=0 n>7 ao=+, a1=3 3an+1 - 2an - an-7 = 0 $3x^{2} - 2x - 7 = 0$ X, = -3 - Y Y1 + Y2 X2= 7 -0 Y2 Formula an= K177" + K212" 7 = - 3 K1 + K2 0 multiplicamos (-1) 3= = K2 + K2 (2) -7= = K7 - K2 $3 = \frac{1}{9} \times_{7} + \times_{2}$ $-4 = \frac{4}{9}$ K1 = -9

