Tijercico téórico 7 Algebra lineal: (a) $x_{n+1} = 4x_n - x_n^2$ $x_n = 4x_n^2$ $x_$ 1 = 16 Sen 20 - 16 sen 40 - 16 Sen 26 (1 - Sen 26) $N_{1} = 165 \times 100 (Cos 76) = 16 (\frac{1}{4} 5 \times 100 (20))$ $\chi_1 = 45e^2(20)$ (8) -3 (28) 1/2 = 16 Sey (20) - 16 Szy (20) 4=1 χ₂ = 16 Ser² (20) (1 - Ser²(20)) = 16 Ser² (20) Cos² (20) $\chi_{z} = 16 \left(\frac{7}{4} \sin^{2}(z(20)) \right) = 4 \sin^{2}(40) (20) \rightarrow (40)$ Saltos en yetron: fectures Pera Xo diene que espere es Nun = 45es2 (2n+1 D) b) Xn+1 = 4xn - 4xn2 No-Seg(0) 1 - 45 cm 30 - 4 Sen 40 = 45m20 (1 - 5m20) = 45m20 Cos20 $=4\left(\frac{1}{4}\operatorname{Ser}^{2}(2\theta)\right)-\operatorname{Ser}^{2}(2\theta)$ Nz = 4 Sn2 (20) - 4 Szn4(20) = Factor de 16 = 4 Sen? (20) (1- Sen? (20)) = 4 Sen? (20) (cs? (20) = 4 (1 See 2 (2(20))) = Ser 2 (40) -> Repeticies Vation 1 1 2 Sen 2 (2 1 4 6)