$\begin{array}{l} \mathcal{X}_{n+1} : 4 \, \alpha_n - \mathcal{X}_{n}^2 \\ \mathcal{X}_{n} : 4 \, \alpha_{n-1} - \mathcal{X}_{n-1}^2 \end{array} \longrightarrow \begin{array}{l} \mathcal{X}_{n+1} : 4 \, (4 \, \alpha_{n-1} - x_{n-1}^2) - (4 \, x_{n-1} - x_{n-1}^2)^2 : 16 \, x_{n-1} - 4 \, x_{n-1}^2 - (16 \, x_{n-1}^2 - 8 \, x_{n-1}^3 + x_{n-1}^4) \\ \mathcal{X}_{1} : 16 \, \int \varepsilon n^2 \, \theta - 16 \int \varepsilon n^4 \, \theta \longrightarrow \begin{array}{l} 16 \int \varepsilon n^2 \, \theta \, (1 - \int \varepsilon n^2 \, \theta \,) : 16 \int \varepsilon n^2 \, \theta \, \cos^2 \theta \, \cos^2 \theta \, \sin^2 \theta \, \cos^2 \theta \, \cos^2 \theta \, \sin^2 \theta \, \cos^2 \theta \, \cos^2 \theta \, \sin^2 \theta \, \cos^2 \theta \, \cos^2 \theta \, \sin^2 \theta \, \cos^2 \theta \, \cos^2 \theta \, \sin^2 \theta \, \cos^2 \theta$

Entonces, le deduce que un siempre tiene la forma de: $x_n = 1$ (sen $l(x_n, 6)$) cos $l(x_n, 6)^2$ donde $c(x_n, 6)^2$ donde $c(x_n, 6)^2$ donde $c(x_n, 6)^2$ por $l(x_n, 6)^2$ donde $c(x_n, 6)^2$ donde

 $2n = 16(Sen(2^{n-1}6)cof(2^{n-1}6))^2 + 4Sen^2(2^{n}6)$

b) $\chi_{n+1} = 4 \chi_n - 4 \chi_n^2$ $\chi_0 = Jen^2 6$

 $21 = A Len^2 6 - A Sen^4 6 = A Len^2 6 (1 - Sen^2 6) = A Lene Col 6)^2 = Len^2 26$

22= 4Sen2(16) - A Sen4(26) = 4 con2(26) co c2(26) = con2(46)

Futonces, le deduce que un liempre tiene la forma de: α_n : $4 \sin^2(\alpha_n 6) \cos^2(\alpha_n 6)$ donde α_n es $2(\alpha_{n-1})$ y $\alpha_n = 1$ por lo $\alpha_n = 2^n$. Entonces:

 $2n = 4 \sin^2(2^{n-1}\theta) \cos^2(2^{n-1}\theta) = 4 \sin^2(2^n\theta)$