94 BoS= = 82H2O +> 85 H3BO3+ 80H2S.

$$\begin{array}{c|c} \chi_1 & \begin{array}{c} 2 \\ 3 \\ 0 \\ \end{array} \end{array} \begin{array}{c} + \chi_2 & \begin{array}{c} 0 \\ 0 \\ \end{array} \end{array} \begin{array}{c} - \chi_3 & \begin{array}{c} 1 \\ 0 \\ 3 \\ \end{array} \end{array} \begin{array}{c} + \chi_4 & \begin{array}{c} 0 \\ 1 \\ 0 \\ \end{array} \end{array}$$

$$\begin{vmatrix}
2 & 0 & -1 & 0 & 0 \\
3 & 0 & -1 & 0 & 0
\end{vmatrix} = \begin{vmatrix}
2 & 0 & -1 & 0 & 0 \\
0 & 0 & -1 & 0 & 0
\end{vmatrix} = \begin{vmatrix}
2 & 0 & -1 & 0 & 0 \\
0 & 0 & -1 & 0 & 0
\end{vmatrix}$$

$$= \begin{pmatrix} 2 & 0 & -1 & 0 & 0 \\ 0 & 1 & -3 & 0 & 0 \\ 0 & 0 & -\frac{3}{2} & 1 & 0 \\ 0 & 2 & -3 & -2 & 0 \end{pmatrix} = \begin{pmatrix} 2 & 0 & -1 & 0 & 0 \\ 0 & 1 & -3 & 0 & 0 \\ 0 & 0 & -\frac{3}{2} & 1 & 0 \\ 0 & 0 & -3 & 2 & 0 \end{pmatrix}$$

$$= \begin{pmatrix} 2 & 0 & -1 & 0 & 0 \\ 0 & 1 & -3 & 0 & 0 \\ 0 & 0 & -3 & 2 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix}$$

$$\begin{cases} \chi_1 = \frac{1}{2}\chi_3 \\ \chi_2 = 3\chi_3 \\ \chi_3 = \frac{2}{3}\chi_4 \\ \chi_4 \text{ is free} \end{cases}$$

$$\chi_3 = \frac{2}{3} \chi_4$$

X4:3 x3:2 x2:6 x1:1

CS Camponneptる 全型を作るBO3 + 3 HaS

1.10 #9.

$$x_{k+1} = Mx_k$$
 for  $k = 0, 1, 2, ...$ 

$$M = \begin{pmatrix} 0.93 & 0.85 \\ 0.01 & 0.95 \end{pmatrix}$$
 of  $x_0 = \begin{pmatrix} 800.00 \\ 500.00 \end{pmatrix}$  of  $x_1 = \begin{pmatrix} 800.00 \\ 500.00 \end{pmatrix}$ 

2017857 160103

2015 Es populatione reold.

$$\chi_1 = \begin{pmatrix} 0.93 & 0.05 \\ 0.09 & 0.95 \end{pmatrix} \begin{pmatrix} 800.00 \\ 500.00 \end{pmatrix} = \begin{pmatrix} 189,00 \\ 531,00 \end{pmatrix}$$

$$92 = (0.93 0.05) (969, 000) = (104/, 1/20)$$
 $(531.00) = (358, 280)$