$$X_{K+1} = X_K - \frac{F(x_K)}{F'(x_K)}$$
, por  $K = 0, 1, 2, 3...$ 

$$X_1 = X_0 - \frac{f(X_0)}{f'(X_0)} = 3.36565097$$

$$X_{2} = X_{1} - \frac{f(x_{1})}{f'(x_{1})} = 3.345112276$$

$$X_3 = X_2 - \frac{f(x_2)}{f(x_2)} = 3.344645432$$

K	×κ
0	3.5
1	3.3656
2	3.3451
3	3.3446

$$X_{H+7} = X_{H-1} \left( \frac{X_{M} - X_{K-1}}{F(X_{M}) - F(X_{M-1})} \right) F(X_{M})$$

$$X_{1} = 3.5$$

$$x_2 = x_1 - \left(\frac{x_1 - x_2}{f(x_1) - f(x_2)}\right) f(x_1) = 3.063063063$$

$$X_3 = X_2 - \left(\frac{X_2 - X_1}{f(x_2) - f(x_1)}\right) f(x_2) = 3.291906237$$

$$X_{4} = X_{3} - \left(\frac{X_{3} - X_{2}}{f(X_{3}) - f(X_{2})}\right) f(X_{3}) = 3.367092104$$

Xx
2.5
3.5
3.0630
3.2919
3.36 70

10.4 2x1 - 6x2 - x2 = -38 -3 x1 - x2 + 7 x2 = -34 -8×1 + ×2 - 2×3 = -20 Encontrando L Realizando operaciones elementales  $\begin{pmatrix} 2 & -6 & -1 \\ -3 & -1 & 7 \\ -8 & 1 & -2 \end{pmatrix} \xrightarrow{1.5 f_1 + f_2} \begin{pmatrix} 2 & -6 & -1 \\ 0 & -10 & 5.5 \\ 0 & -23 & -6 \end{pmatrix}$ Se agrega a L los opuestos de los multiplicadores Encontrondo  $\begin{pmatrix} 2 & -6 & 1 \\ -3 & -1 & 7 \end{pmatrix} \xrightarrow{1.5 \text{ } F_1 + F_2} \begin{pmatrix} 2 & -6 & -1 \\ 0 & -10 & 5.5 \\ 0 & -23 & -6 \end{pmatrix}$ 

$$\begin{pmatrix}
1 & 0 & 0 \\
-1.5 & 1 & 0 \\
-4 & -2.3 & 1
\end{pmatrix}
\begin{pmatrix}
2 & -6 & -1 \\
0 & -10 & 5.5 \\
0 & 0 & -16.65
\end{pmatrix}
\begin{pmatrix}
x_1 \\
x_1 \\
x_1
\end{pmatrix} = \begin{pmatrix}
-34 \\
-34 \\
-20
\end{pmatrix}$$

$$\begin{pmatrix}
1 & 0 & 0 \\
-1.5 & 1 & 0 \\
-4 & -2.3 & 1
\end{pmatrix}
\begin{pmatrix}
Y_1 \\
Y_2 \\
Y_3
\end{pmatrix} = \begin{pmatrix}
-38 \\
-91 \\
37.3 \\
73.3
\end{pmatrix}$$

$$\begin{pmatrix}
X_1 \\
Y_2
\end{pmatrix} = \begin{pmatrix}
-38 \\
-91 \\
37.3 \\
73.3
\end{pmatrix}$$

$$\begin{pmatrix}
X_1 \\
X_2 \\
0 & -18.15
\end{pmatrix}
\begin{pmatrix}
X_1 \\
X_2 \\
X_3
\end{pmatrix} = \begin{pmatrix}
-38 \\
-91 \\
37.3 \\
77.3
\end{pmatrix}$$

$$\begin{pmatrix}
X_1 \\
X_2 \\
X_3
\end{pmatrix} = \begin{pmatrix}
-38 \\
-91 \\
37.3 \\
77.3
\end{pmatrix}$$

$$\begin{pmatrix}
X_1 \\
X_2 \\
X_3
\end{pmatrix} = \begin{pmatrix}
-38 \\
-91 \\
37.3 \\
77.3
\end{pmatrix}$$

$$\begin{pmatrix} X_1 \\ X_2 \\ X_3 \end{pmatrix} = \begin{pmatrix} 4 \\ 8 \\ -2 \end{pmatrix}$$