On my honor, I have neither given nor received unauthorized aid in doing this assignment.

University of Florida Honors Code:

\[
\begin{bmatrix}
-1 \\
1
\end{bmatrix}
\]

\[
0 = x
\]

\[
0 \approx 1 - x(0)
\]

\[
\begin{bmatrix}
-1 \\
1
\end{bmatrix}
\]

\[
0 = u_1 (1 - xS) \frac{1 - x(0)}{1 - x(0)}
\]

\[
0 = \left( (1 - xS)^2 + 1 \right) \left( 1 - xS \right)
\]

\[
0 = f_1 (1 - xS)^2 + f_2 (1 - xS)
\]