$$|a| = u_{1}^{n} - \frac{1}{2} \left( u_{1}^{2} - u_{1}^{2} \right)$$

$$u_{1}^{n+1} = u_{1}^{n} - \frac{1}{2} \left( u_{1}^{2} - u_{1}^{n+1} \right)$$

$$u_{2}^{n+1} = u_{1}^{n} - \frac{1}{2} \left( u_{1}^{n+1} - u_{1}^{n+1} \right)$$

$$u_{3}^{n+1} = u_{1}^{n} - \frac{1}{2} \left( u_{1}^{n+1} - u_{1}^{n+1} \right)$$

$$u_{3}^{n+1} = u_{1}^{n} - \frac{1}{2} \left( u_{1}^{n+1} - u_{1}^{n+1} \right)$$

$$u_{3}^{n+1} = u_{1}^{n} - \frac{1}{2} \left( u_{1}^{n+1} - u_{1}^{n+1} \right)$$

$$u_{3}^{n+1} = u_{1}^{n} - \frac{1}{2} \left( u_{1}^{n+1} - u_{1}^{n+1} \right)$$

$$u_{3}^{n+1} = u_{1}^{n} - \frac{1}{2} \left( u_{1}^{n+1} - u_{1}^{n+1} \right)$$

$$u_{3}^{n+1} = u_{1}^{n} - \frac{1}{2} \left( u_{1}^{n+1} - u_{1}^{n+1} \right)$$

$$u_{3}^{n+1} = u_{1}^{n} - \frac{1}{2} \left( u_{1}^{n+1} - u_{1}^{n+1} \right)$$

$$u_{3}^{n+1} = u_{1}^{n} - \frac{1}{2} \left( u_{1}^{n+1} - u_{1}^{n+1} \right)$$

$$\begin{bmatrix}
1 & \frac{7}{2} & 0 & -\frac{7}{2} & 0 \\
-\frac{7}{2} & 1 & \frac{7}{2} & 0 & 0 \\
0 & -\frac{7}{2} & 1 & \frac{7}{2} & 0 \\
0 & 0 & -\frac{7}{2} & 1 & \frac{7}{2} & 0
\end{bmatrix}$$

$$\begin{bmatrix}
U_{1}^{N+1} \\
U_{2}^{N+1} \\
U_{3}^{N+1} \\
U_{4}^{N+1} \\
U_{5}^{N+1}
\end{bmatrix}$$

$$\begin{bmatrix}
U_{1}^{N} \\
U_{2}^{N} \\
U_{3}^{N} \\
U_{4}^{N} \\
U_{5}^{N}
\end{bmatrix}$$