$$a_{j}^{n+1} = a_{j}^{n} - c(a_{j}^{n+1} - a_{j-1}^{n+1})$$

$$a_{j}^{n+1}(1+c) = a_{j}^{n} + C a_{j-1}^{n+1}$$

system of equations

 $a_{j}^{n+1}(1+c) - a_{j-1}^{n+1}C = a_{j}^{n}$

$$\begin{cases}
\alpha_0^{h+1}(1+c) - \alpha_0^{h} = 0 \\
\alpha_1^{h+1}(1+c) - \alpha_0^{h+1}(1-\alpha_1^{h} = 0)
\end{cases}$$

$$\begin{cases}
\alpha_0^{h+1}(1+c) - \alpha_0^{h+1}(1-\alpha_1^{h} = 0) \\
\alpha_{1}^{h+1}(1+c) - \alpha_{1}^{h+1}(1-\alpha_1^{h} = 0)
\end{cases}$$

$$M = \begin{cases} 1+C & 0 & -C \\ -C & 1+C & 0 \\ 0 & -C & 1+C \\ 0 & 0 & -C & 1+C \end{cases} = 7a^{n+1}M = a^{n+1}$$