Mixed Method

$$\begin{array}{c}
\Theta\left[\text{Explict}\right] + \left(1-\Theta\right)\left[\text{Implicit}\right] \Rightarrow \text{Mixed Method} \\
0 < \Theta < 1 \\
\Theta\left[\text{T}\right] \neq \hat{p}^{n} + \left(1-\Theta\right)\left[\text{T}\right] \neq \hat{p}^{n+1} + \frac{1}{4}\left[\text{B}\right] \neq \hat{p}^{n+1} \\
= \frac{1}{4}\left[\text{B}\right] \neq \hat{p}^{n} + \neq \hat{Q} \\
\text{For } \Theta = \frac{1}{2} \Rightarrow \text{Creak-Nicholson} \\
2p^{n+2} = \frac{p^{n+1} - p^{n-1}}{2\Delta t} + \Theta\left(1\Delta t|^{2}\right) \\
2n^{2} \text{ order equivate}
\end{array}$$