1 Lax

$$U_i^{n+1} = \frac{1}{2}\left(U_{i+1}^n + U_{i-1}^n\right) - \frac{\Delta t}{2\Delta x}\left(F_{i+1}^n - F_{i-1}^n\right) \tag{1}$$

2 MacCormack

$$U_i^* = U_i^n + \frac{\Delta t}{\Delta x}\left(F_{i+1}^n - F_i^n\right) \tag{2}$$

$$U_i^{n+1} = \frac{1}{2}\left[U_i^n + U_i^*\left(F_i * - F_{i-1}^*\right)\right] \tag{3}$$