$$v > 0, \ v\Delta t < \Delta x, \xi = \frac{x - x_{i-1/2}}{\Delta x}$$

$$\xi = -\frac{v\Delta t}{\Delta x}$$
 $\xi = 0$ $\xi = 1 - \frac{v\Delta t}{\Delta x}$ $\xi = 1$ $\xi = 2$

$$x_{i-3/2}$$
 $x_{i-1/2} - v\Delta t$ $x_{i-1/2}$ $x_{i+1/2} - v\Delta t$ $x_{i+1/2}$ $x_{i+3/2}$

