Discrete: 
$$\frac{u_{in}-2u_{i}+2u_{i+1}}{\Delta x^{2}}=f;$$

$$\frac{\partial}{\partial x}\left(\frac{\partial}{\partial x}-\frac{\partial}{\partial x}\right)\left(\frac{\partial}{\partial x}-\frac{\partial}{\partial x}-\frac{\partial}{\partial x}\right)\left(\frac{\partial}{\partial x}-\frac{\partial}{\partial x}-\frac{\partial}{\partial x}\right)\left(\frac{\partial}{\partial x}-\frac{\partial}{\partial x}-\frac{\partial}{\partial x}-\frac{\partial}{\partial x}\right)\left(\frac{\partial}{\partial x}-\frac{\partial}{\partial x}-\frac{\partial}{\partial x}-\frac{\partial}{\partial x}-\frac{\partial}{\partial x}\right)\left(\frac{\partial}{\partial x}-\frac{\partial}{\partial x}-\frac{\partial}$$

Version 1 is easier to implement!