$$V_{b} = iR + L \frac{di}{dt} + \frac{L}{c} \int_{0}^{i} dt$$

$$V_{b} = \frac{i_{n+1} + i_{n}}{2} \cdot R + L \cdot \frac{i_{n+1} - i_{n}}{dt}$$

$$+ \frac{L}{c} \frac{i_{n+1} + i_{n}}{dt} \cdot dt$$

$$Re = \frac{i_{n} + i_{n}}{dt} \cdot \frac{i_{n}}{dt} \cdot \frac{i_{$$

$$i_{n+1} = \frac{i_n \left( \frac{1}{dt} - \frac{R}{2} - \frac{dt}{2c} \right) + V_b - V_c(n)}{\frac{1}{dt} + \frac{R}{2} + \frac{dt}{2c}}$$