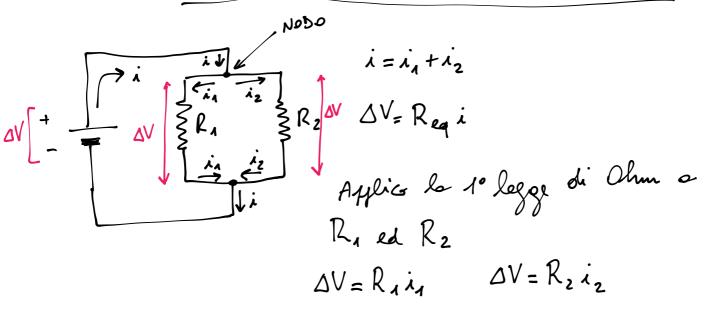


Pri resistari in serie => Reg = R1+R2+R3+....+Rn

## RESISTENZE IN PARALLELO



$$i = \frac{\Delta V}{R_{eq}}$$

$$i_1 = \frac{\Delta V}{R_1}$$

$$i_2 = \frac{\Delta V}{R_2}$$

$$\frac{\Delta V}{R_{eq}} = \frac{\Delta V}{R_1} + \frac{\Delta V}{R_2}$$

$$\frac{1}{R_{eq}} = \frac{1}{R_A} + \frac{1}{R_2}$$

$$\frac{1}{R_{eq}} = \frac{1}{R_A} + \frac{1}{R_2} + \dots + \frac{1}{R_M}$$

$$\frac{1}{R_{eq}} = \frac{1}{R_A} + \frac{1}{R_2} + \dots + \frac{1}{R_M}$$

$$\frac{1}{R_{eq}} = \frac{R_1 + R_2}{R_1 R_2}$$

$$\int_{R_{eq}} \frac{R_1 R_2}{R_1 + R_2} = \frac{R_1}{R_1 + R_2} \cdot R_2 < R_2$$