



$$n = 2$$

$$V_2 = 2V_1$$

$$I_A + I_B = 2I_B$$

$$I_A = I_B$$

$$V_1 + I_A R_1 = V_{LN}$$

$$V_1 = V_{LN} - I_A R_1$$

$$I_B R_2 - V_2 = I_A R_1$$

$$I_A R_2 - 2V_1 = I_A R_1$$

$$V_1 = \frac{I_A}{2} (R_2 - R_1)$$

$$\text{If } R_1 = R_2$$

$$\text{then } V_1 = 0$$

$$\text{If } R_1 = 0, R_2$$

$$\text{then } V_1 = \frac{0.1 R_2}{2} I_A$$