



$$V_{in} = V_1 + V_2$$

$$V_{in} = IR_1 + IR_2$$

$$V_{in} = I(R_1 + R_2)$$

$$I = V_{in} / (R_1 + R_2)$$

$$V_2 = V_{out} = V_{in} \times (R_2 / (R_1 + R_2))$$

fritzing