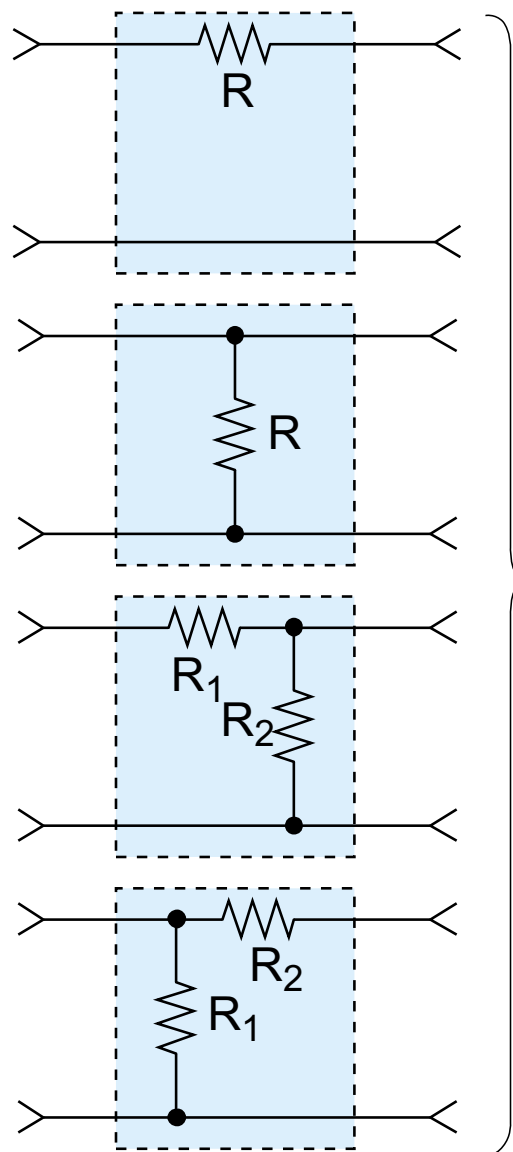
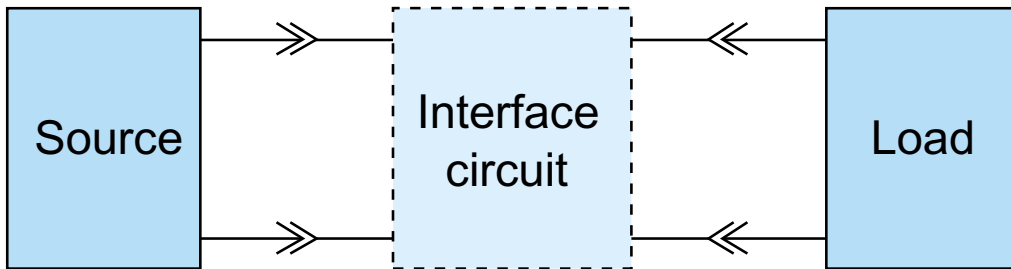
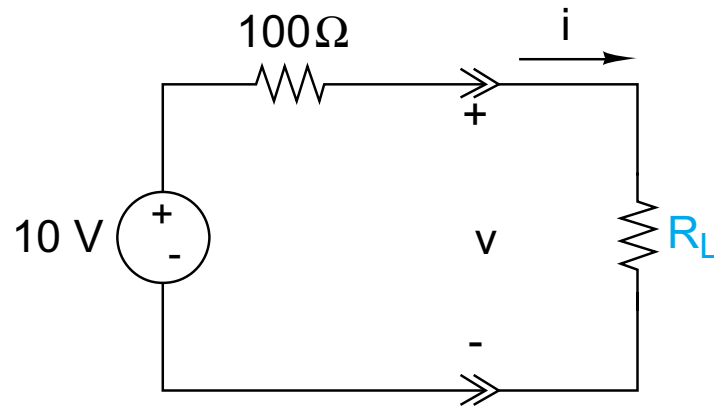


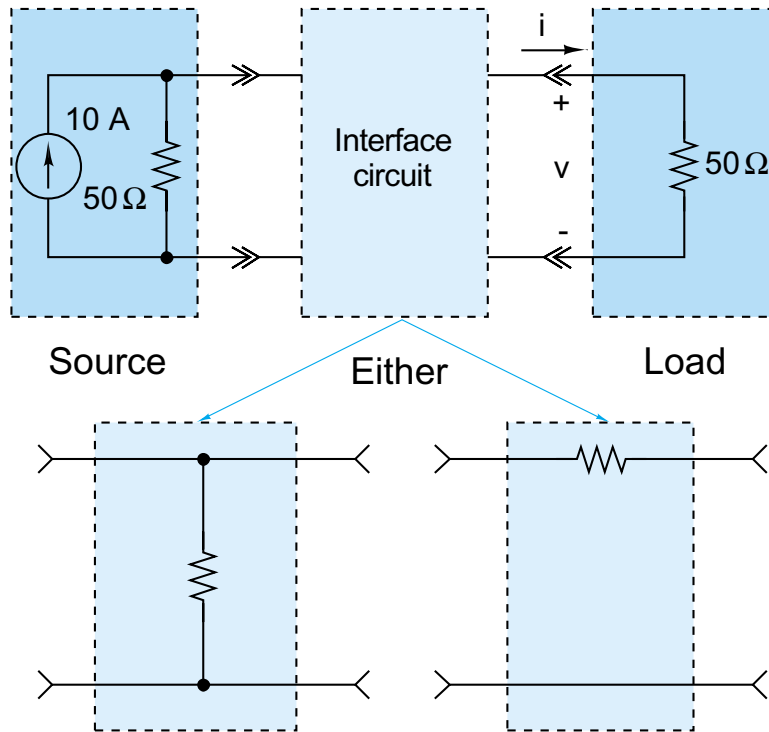
In practice, you can't change the source or load, so you change the interface



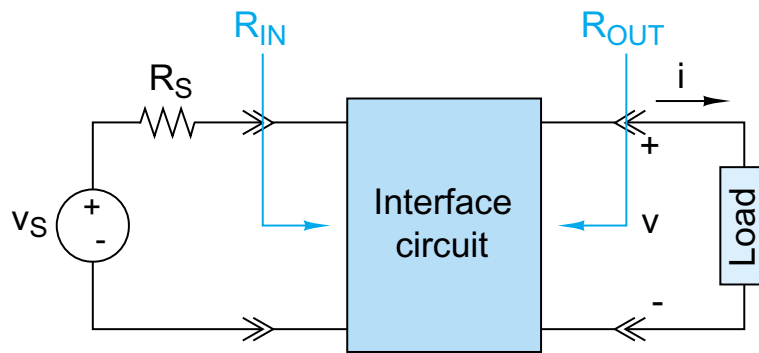
Examples of interface circuits



Select R_L such that the interface signals are in the range defined by $v > 4 \text{ V}$ and $i > 30 \text{ mA}$



Design the two port interface circuit so that the 10 A source delivers 100 V to the 50 Ω load.



$R_S=25 \Omega$, $R_L=600 \Omega$, design an interface circuit so that the input resistance seen by the source is $25 \Omega \pm 5\%$ and the output resistance seen by the load is $600 \Omega \pm 5\%$