Voltage Sign Convention
(Conventional Current)

Voltage Source

\[ P = \text{Marked Components:} \]
\[ P = i v \]

Current Source

\[ P = \text{Marked Components:} \]
\[ P = -i v \]

Marked Resistor

\[ P = \text{Marked Components:} \]
\[ P = i v \]

Unmarked Resistor

\[ P = \text{Marked Components:} \]
\[ P = i v \]