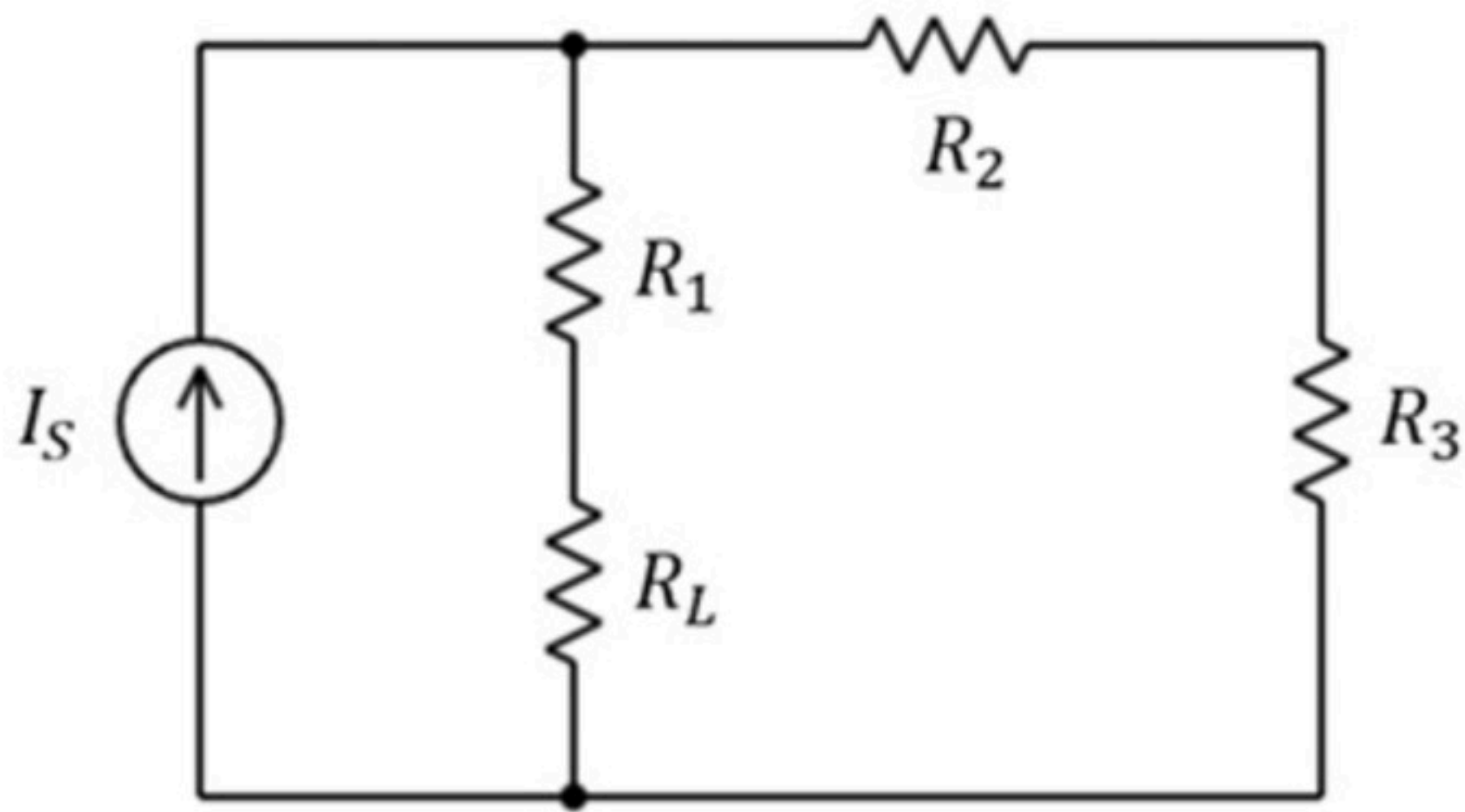


Circuit theorems 016

Problem has been graded.

Find the value of R_L such that the power received by R_L is maximized.

Find the corresponding max power received by R_L .



Given Variables:

I_S : 2 A

R_1 : 2 ohm

R_2 : 1 ohm

R_3 : 1 ohm

Calculate the following:

R_L (ohm) :

P_{\max} (W) :

Hint: Find the Thevenin equivalent model of the circuit after taking out R_L .