${\tt ee101_mesh_anaylsis_1.sqproj}$

Description

In mesh analysis, the following steps are carried out:

- 1. Identify loops, define loop currents ("mesh currents") $I_1, I_2,$ etc.
- 2. Write KVL for each loop in terms of I_1 , I_2 , etc.
- 3. Solve the resulting system of equations to obtain I_1 , I_2 , etc.
- 4. Compute any other quantities (currents, voltages, powers) of interest using the mesh currents.

Exercise

For the circuit shown in the figure, carry out mesh analysis, and find the following: (a) currents through R_1 , R_2 , R_3 , (b) power delivered by the two sources, V_{s1} and V_{s2} .

