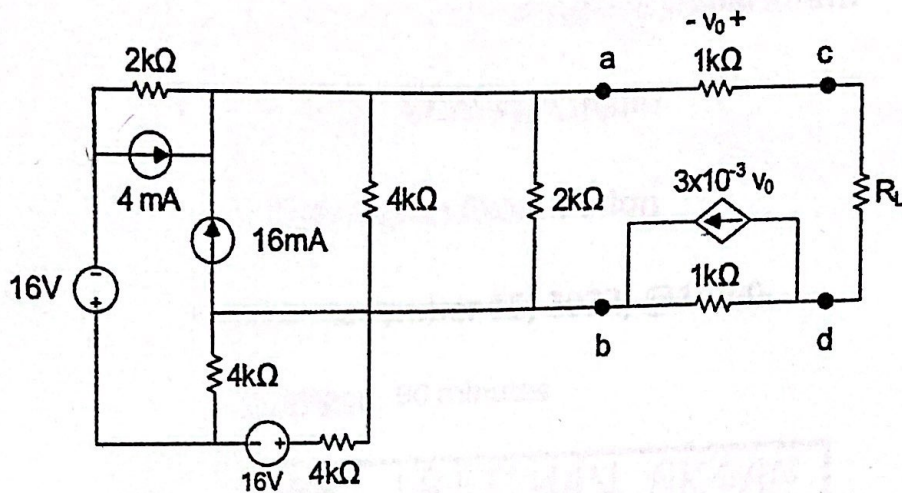
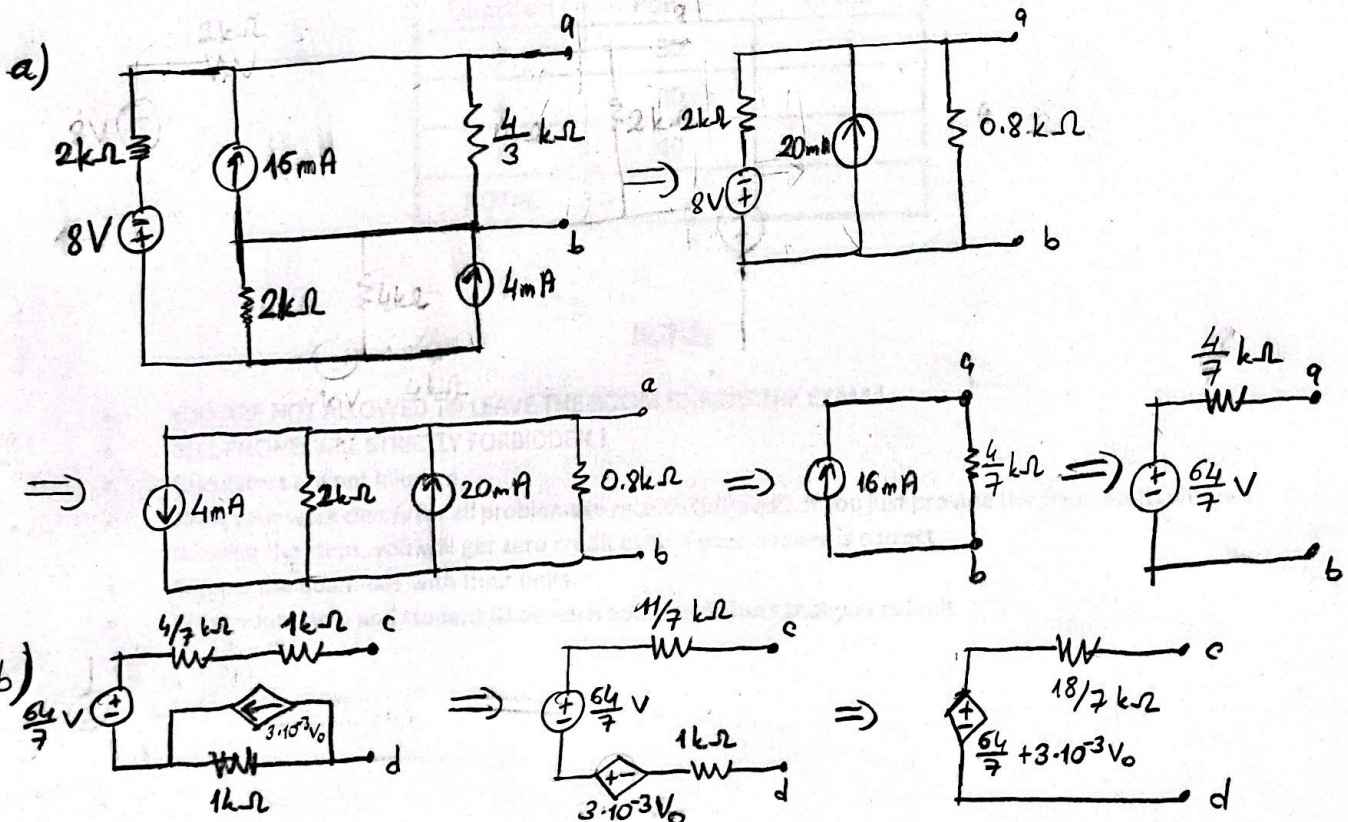


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Question 3 (40 pts)



- Use source transformations to find the Thevenin Equivalent of the circuit to the left of the terminals a-b.
- Use the equivalent circuit from part-a, to find the next Thevenin equivalent circuit to the left of the terminal c-d.
- Using the equivalent circuit in part-b, find the value of R_L that could ensure maximum power transfer.



c) $R_L = R_{eq} = \frac{18}{7} \text{ k}\Omega$