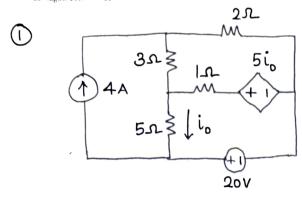
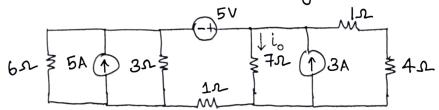
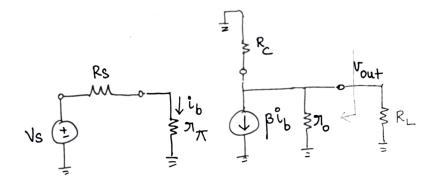
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- @ What kind of a dependent Source is there in the circuit?
- (b) Find io in the circuit using superposition.
- 2) Find io in the circuit below using source transformation.



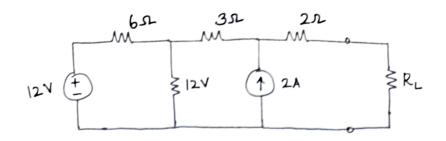
(3) Find the Thevenin & Norton equivalent of the following circuit (at Vout). Do both independently for good practice.

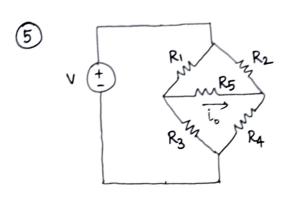


Have you seen the circuit in the box somewhere?

Find the value of R_L for maximum power transfer (to R_L) in the circuit.

65 35 25

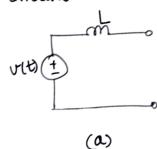


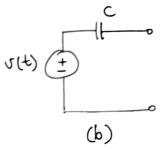


Assume R_1 , R_2 and R_3 are fixed resistances.

How do you choose R4 so that is = 0?

6 Find the equivalent Norton representation of the following circuits





F Solve the following problems from the book (called as HKD)
"Engineering Circuit Analysis" by Hayt, Kemmerly
and Durbin, 8e Indian edition.

(a) Pg: 159 . Problem 1

(b) Pg: 161 . Problem 9

(c) Pg: 169. Problem 51

(d) Pg: 170. Problem 56 (We have not covered this in class but it is a useful technique to know).