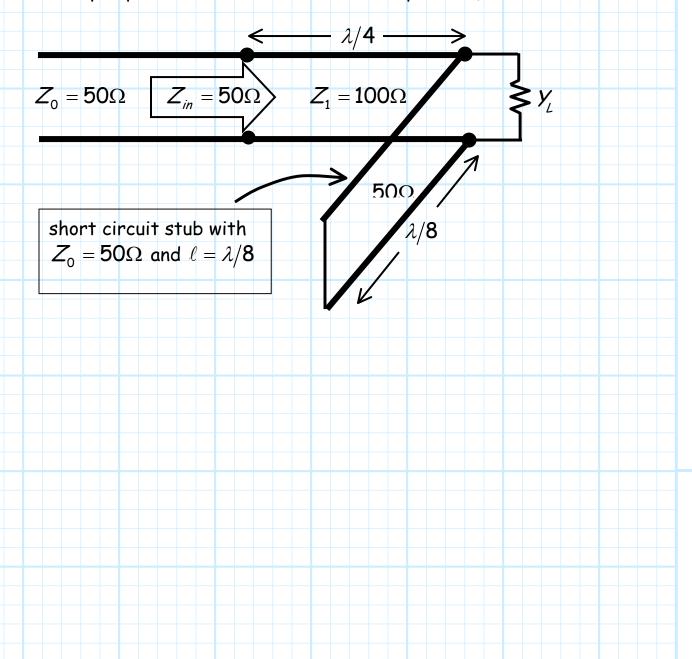
Special Problem 5.2-1

A matching network has been constructed to match a complex load to a transmission line with characteristic impedance $Z_0 = 50 \ \Omega$.

Note that this matching network is **not** specifically one of the standard designs that we studied.

Determine the complex admittance Y_L of the load (you can alternatively express the load in terms of its impedance).



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