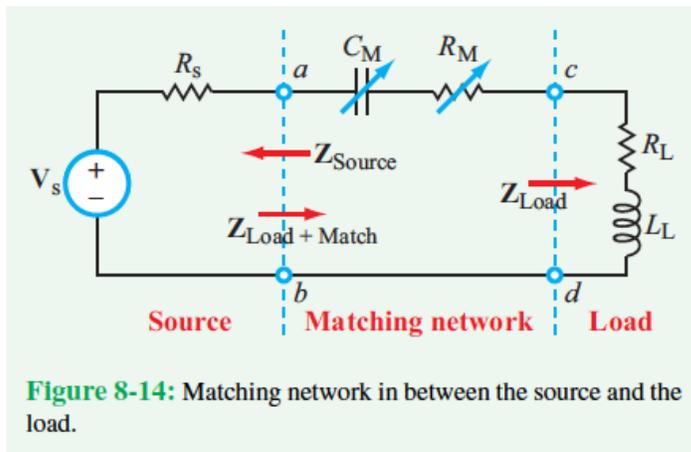


Concept Question 8-13: Assuming the values of V_s , R_s , R_L , and L_L are fixed, what values of R_M and C_M lead to maximum transfer of power from the source to R_L ?



To match the load to the source in the circuit, we should select

$$R_M = R_s - R_L$$

$$C_M = \frac{1}{\omega^2 L_L}$$