Ex:

a) Calculate the value of $R_{\mathrm{L}}$ that would absorb maximum power.
b) Calculate that value of maximum power $R_{\mathrm{L}}$ could absorb.

Sole:


Note: Circuit used to find max power value is shown below.

$$
\begin{aligned}
& V_{\text {Th }}^{2} \\
& P=I \cdot V=I^{2} R \\
& P=\frac{V_{T h}^{2}}{\left(2 R_{m h}\right)^{2}} \cdot R_{T h} \\
& P=\frac{V_{T h}}{4 R_{T h}}
\end{aligned}
$$

