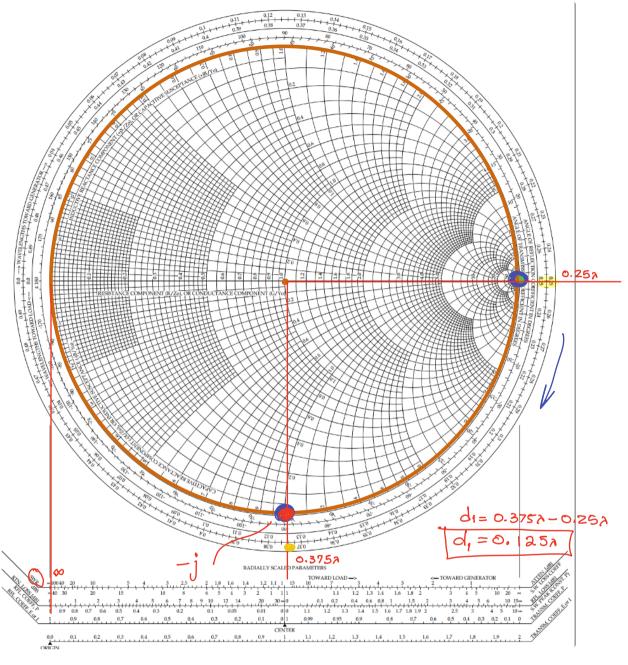


$$\frac{2}{7} = \frac{1}{2} = \frac{1}$$

## Transmission Line #1

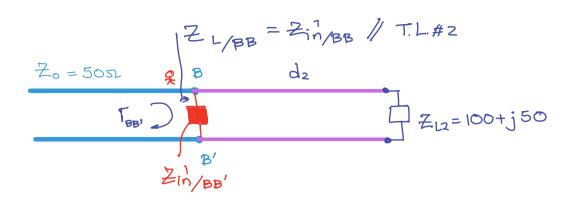


$$VSWR = \frac{1 + |\Gamma|}{1 - |\Gamma|}$$

$$Z_{L}^{\neq 1} = 0 = \text{short}$$

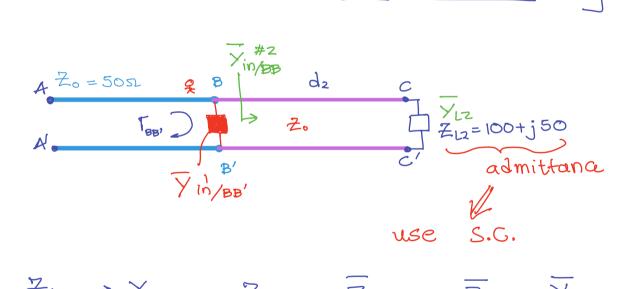
$$Z_{L}^{\dagger} = 0 = \text{short}$$

$$Y_{L}^{\sharp l} = \frac{l}{Z_{L}^{\sharp l}} = \infty$$

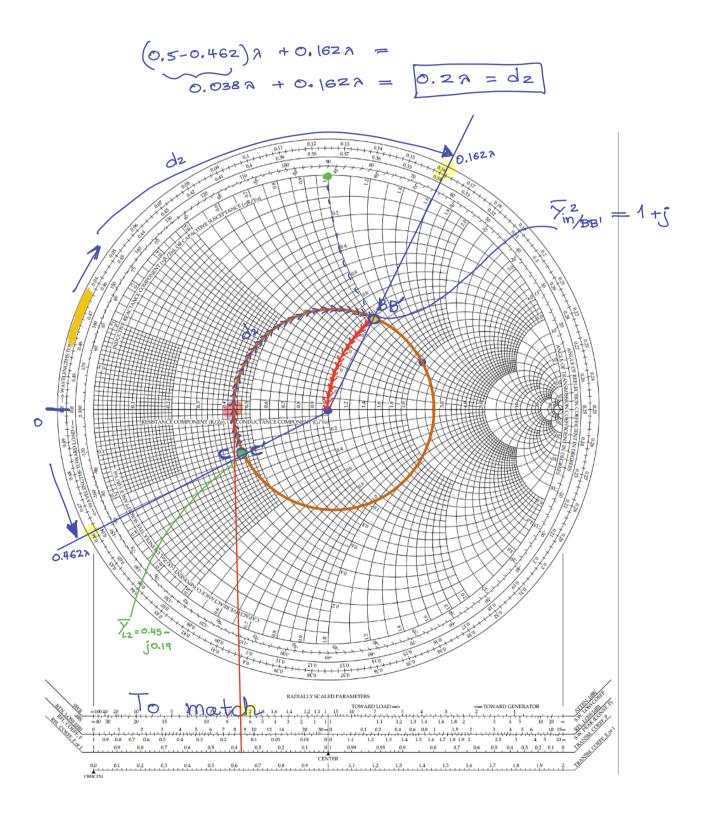


What is do and Zin'/BB' so that  $\Gamma_{BB'} = 0$  ecause Zin'/BB' (or T.L # I) is connect

Because Zin/eB' (or T.L#1) is connected with T.L#2 => We change all loads and in general all impedances into admittances



$$Z_{L2} \rightarrow Y_{L2} \Rightarrow Z_{L2} \rightarrow Z_{L2} \Rightarrow Z_{L2} \rightarrow Y_{L2}$$
using S.C.
$$Z_{12} = 1000+j50 = 2+j$$



$$\frac{7}{7} = 5051$$

$$\frac{7}{7} = \frac{7}{10} = \frac{7}{10} = \frac{1}{10}$$

$$\frac{7}{10} = \frac{7}{10} = \frac{7}{10} = \frac{1}{10}$$

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