EXAMPLE : ADMITTANCE MATRIX MODEL.
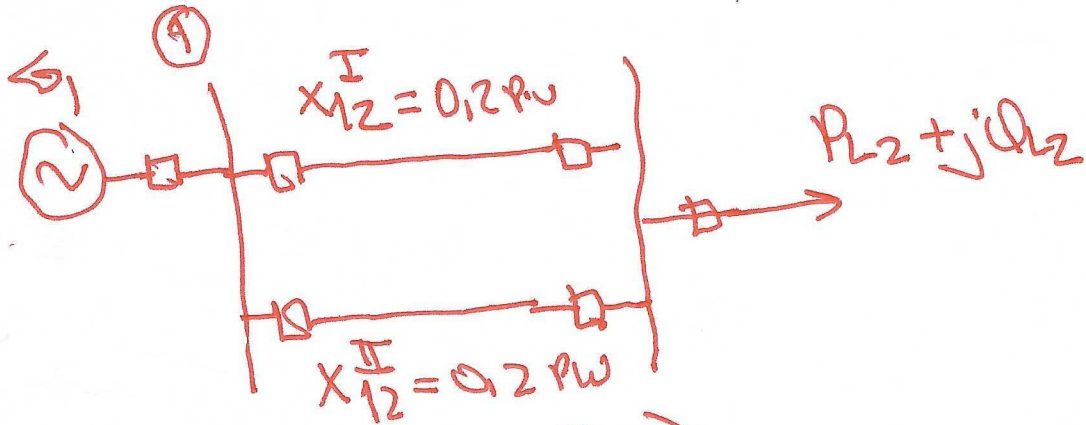
CONSIDER THE FOLLOWING POWER SYSTEM

BUILD THE ADMITTANCE MATRIX (Y_{BUS}).

ANSWER. $Y_{BUS} = \begin{bmatrix} -10j & +10j \\ +10j & -10j \end{bmatrix}_{2\times2}$ P.U.