

EE 4474/5574

Homework Problem #15

For the system of Problem 14:

$$\begin{bmatrix} I_1 \\ I_2 \end{bmatrix} = \begin{bmatrix} 0.2 & 0.5 \\ 0.5 & 0.1 \end{bmatrix} \begin{bmatrix} V_1 \\ V_2 \end{bmatrix}$$

determine an equivalent circuit that could be used to represent the system in a form compatible with a SPICE program. Using that model, use a SPICE program to verify your answer for Problem 14.