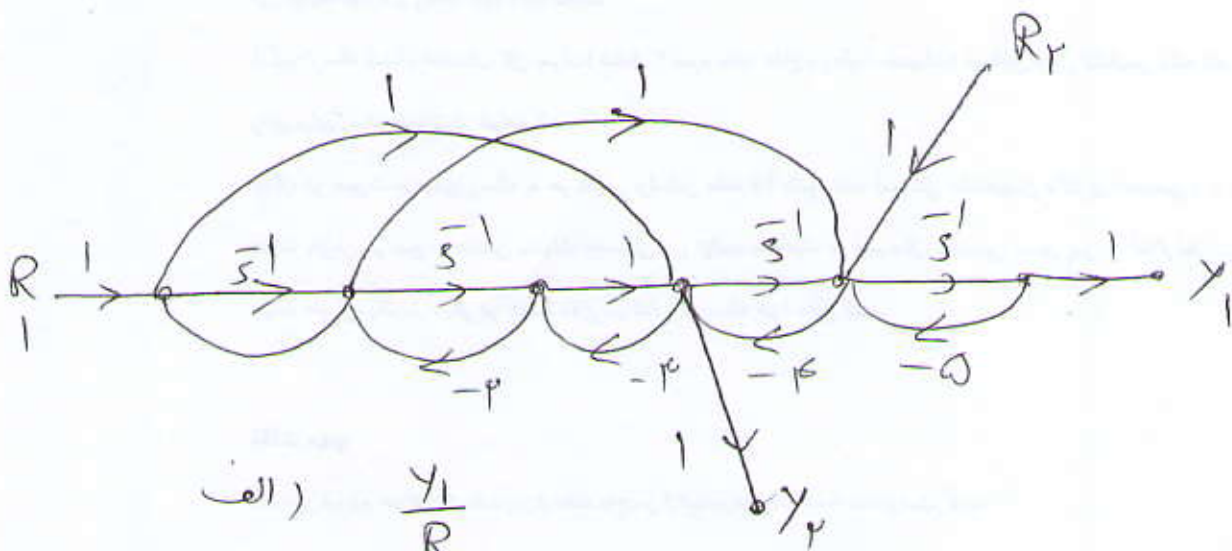


در این بخش، می‌خواهیم

$$A = J_{f_x} \bigg|_{x_e} = \begin{pmatrix} \frac{\partial f_1}{\partial x_1} & \frac{\partial f_1}{\partial x_2} \\ \frac{\partial f_2}{\partial x_1} & \frac{\partial f_2}{\partial x_2} \end{pmatrix} \bigg|_{x_e = \begin{pmatrix} 0 \\ 0 \end{pmatrix}} = \begin{pmatrix} 0 & 1 \\ 1 & 1 \end{pmatrix} \bigg|_{x_e = \begin{pmatrix} 0 \\ 0 \end{pmatrix}} = \begin{pmatrix} 0 & 1 \\ 0 & 0 \end{pmatrix}$$

$$B = J_{f_u} \bigg|_{x_e} = \begin{pmatrix} \frac{\partial f_1}{\partial u_1} & \frac{\partial f_1}{\partial u_2} \\ \frac{\partial f_2}{\partial u_1} & \frac{\partial f_2}{\partial u_2} \end{pmatrix} \bigg|_{x_e} = \begin{pmatrix} 1 & 0 \\ 1 & 1 \end{pmatrix}$$

در این بخش



الف) $\frac{Y_1}{R_1}$

ب) $\frac{Y_1}{R_2}$

ج) $\frac{Y_2}{Y_1}$