$$u = u_1 \qquad G_1(s) \left(\begin{array}{c|c} A_1 & B_1 \\ \hline C_1 & D_1 \end{array} \right) \qquad y_1 = u_2 \qquad G_2(s) \left(\begin{array}{c|c} A_2 & B_2 \\ \hline C_2 & D_2 \end{array} \right) \qquad y = y_2$$