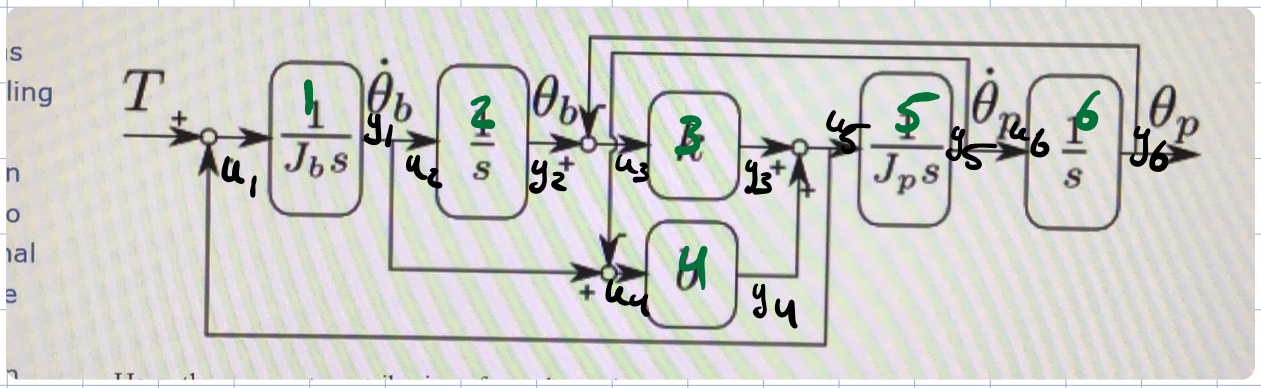
E-lecture 12



Define what u_i is:

$u_1 = -y_4 - y_3$

$u_2 = y_1$

$u_3 = y_2 + y_6$

$u_4 = y_1 + y_5$

$u_5 = y_3 + y_4$

$u_6 = y_5$

$$\begin{bmatrix} 1 & -4 & -3 \\ 2 & 1 & 0 \\ 3 & 2 & 6 \\ 4 & 1 & 5 \\ 5 & 3 & 4 \\ 6 & 5 & \end{bmatrix}$$

put into matrix form

inputs = $[u_1]$

outputs = $[[y_1], [y_2], [y_5], [y_6]]$