% --------- Start Modifying Code Here -----------

% % Error due to spring constrant

w\_theta\_k\_max\_c = -dk\_max\*sys.xmin(1) % max value that delta\_k \* x\_1 can take

w\_theta\_k\_min\_c = dk\_max\*sys.xmin(1) % min value that delta\_k \* x\_1 can take

w\_theta\_k\_max = Ts\*w\_theta\_k\_max\_c; % due to discretization

w\_theta\_k\_min = Ts\*w\_theta\_k\_min\_c; % due to discretization

% % Error due to damping constrant

w\_theta\_d\_max\_c = dd\_max\*sys.xmax(2); % max value that delta\_d \* x\_2 can take

w\_theta\_d\_min\_c = -dd\_max\*sys.xmax(2); % min value that delta\_d \* x\_2 can take

w\_theta\_d\_max = Ts\*w\_theta\_d\_max\_c; % due to discretization

w\_theta\_d\_min = Ts\*w\_theta\_d\_min\_c; % due to discretization

% --------- Stop Modifying Code Here ------------