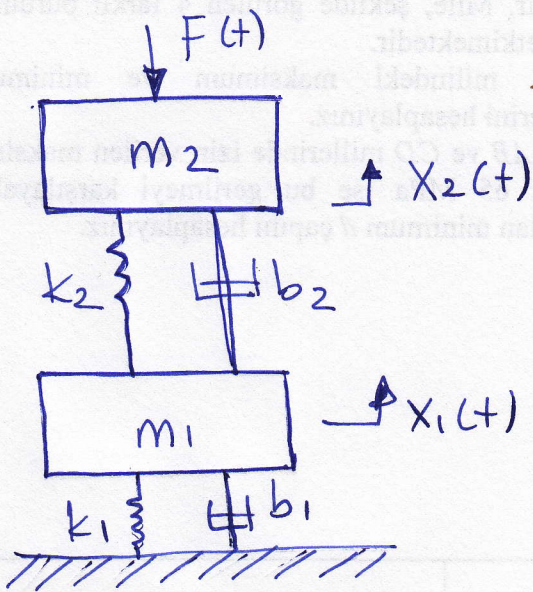


# Assignment 1.



Derive the equations of motion of the system in the figure.

Make the simulation of the model using MATLAB

Simulink.