CVEN 221 Honors – Homework #27

1) **For Problem 2,** Blocks A and B are supported by an incline that is held in the position shown. Block A has a weight, W_A, and block B has a weight, W_B. There is a static coefficient of friction, $\mu_{s,1}$, between the two blocks and a static coefficient of friction, $\mu_{s,2}$, between block B and the inclined surface. Write a computer program that is capable of determining the exact value for the incline, Θ, for which motion is impending for given weights and friction coefficients.

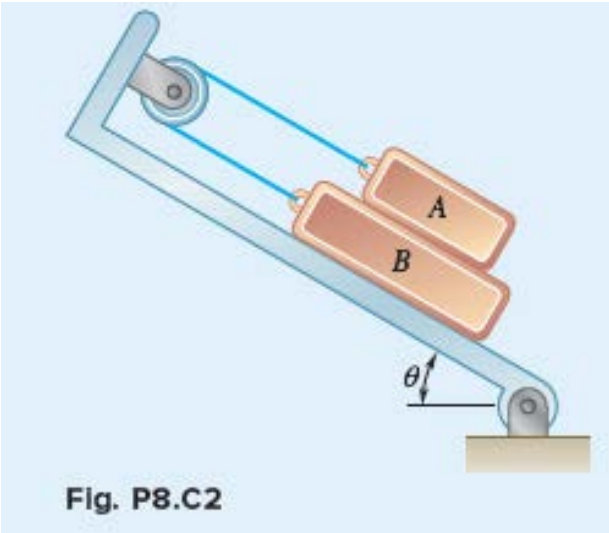

Fig. P8.C2

You may check your program by solving the problem given by McGraw-Hill Connect.