# ME 2210 Dynamics: Working Model Homework 07

Kinetics of Rigid Bodies: Work and Energy
Problem 17-033 from the Handouts

17.33 through 17.35 The 9-kg cradle is supported as shown by two uniform disks that roll without sliding at all surfaces of contact. The mass of each disk is $m = 6$ kg and the radius of each disk is $r = 80$ mm. Knowing that the system is initially at rest, determine the velocity of the cradle after it has moved 250 mm.

Fig. P17.33
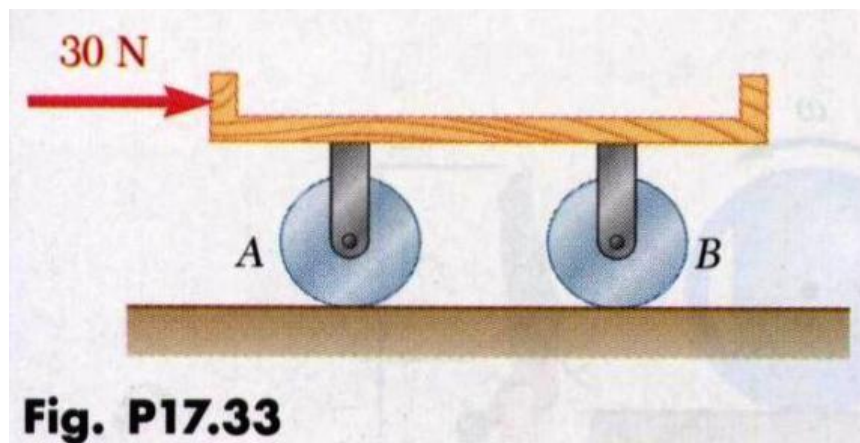
Run the simulation and note the values. Place your name onto the panel using the Text Tool. Take a screenshot of your simulation and place it in the Dropbox Folder entitled, "myname WM Homework 07. Save your simulation for your records.

Answer: