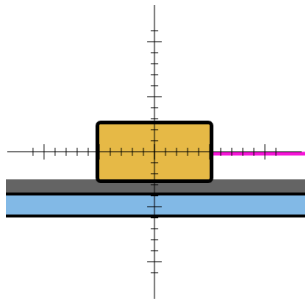
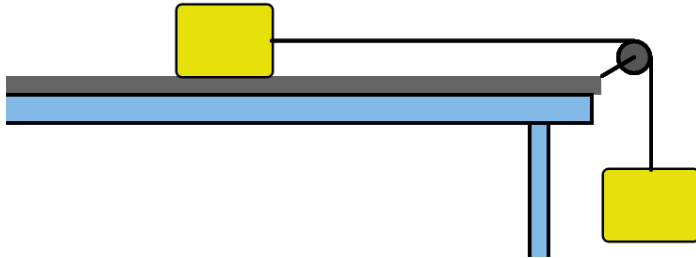


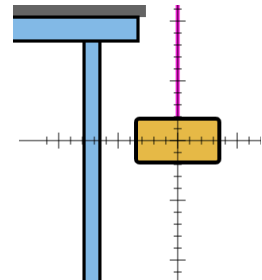
Newton's Law System with Both Frictions

Step 1: Fill in all the important data for your blocks and surface. Then draw in (but don't calculate) all the forces that are acting on the blocks that make up this system.



Step 2: Now focus on the block that is on the table. Calculate the values of all the forces. Assume that the tension is the minimum value necessary to break the static friction. Show your work neatly below

Step 3: Now focus on the block that is hanging down. Use the force tension you found in step 2 to find the mass of the block. Show your work neatly below



Step 4: Recalculate the force friction for the block on the table once the block starts to move. Then use that to find the acceleration of the system. Enter your answers into your program to verify you did everything correctly.

