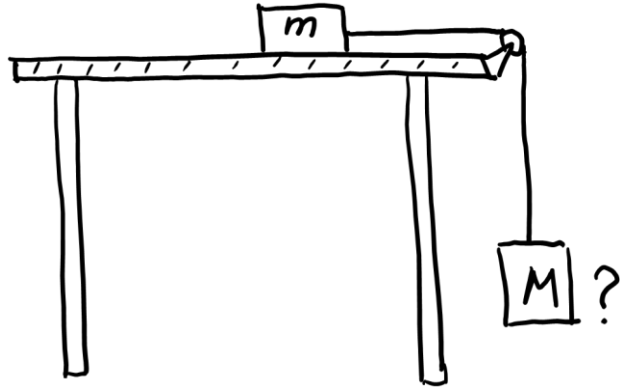


Homework 2.

Problem:

A brick of mass  $m=2\text{kg}$  is on the table. Friction coefficient between the brick and the table surface is 0.2.

1. What is the minimum mass  $M$  which will make the bricks moving?



2. Find tension force applied by the rope to the hanging brick.

3. Find acceleration of the lower brick if  $M$  is 2 times higher than the critical value you found in the first part of the problem.