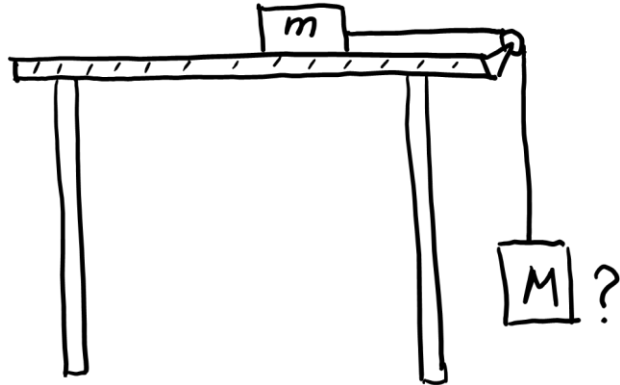


Homework 3.

1. A brick of mass $m=2\text{kg}$ is on the table. Friction coefficient between the brick and the table surface is 0.2. Mass $M=4\text{ kg}$. The table is in the elevator which is moving up with acceleration of 5m/s^2 . Find tension force of the thread.



2. Find accelerations of m_1 and m_2 as well as the tension force of the thread in the Figure below. The thread and the pulleys are massless.

