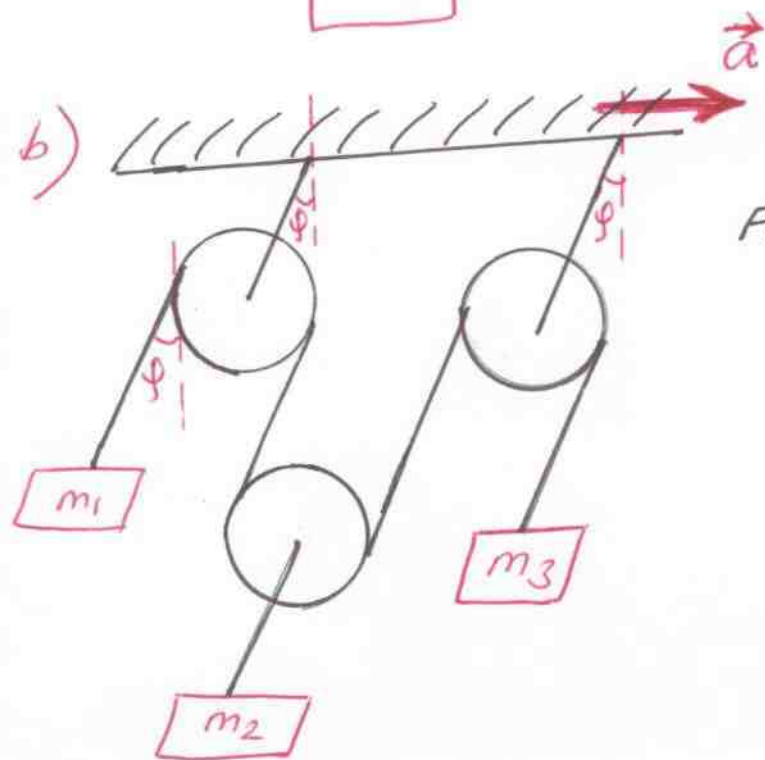


Consider the pulleys and the string to be massless and the bearing frictionless.

Assume $m_1 = m_2 = m_3$;

Find the tension T and $\vec{a}_1, \vec{a}_2, \vec{a}_3$



Assume $m_1 = m_2 = m_3$;

Find the tension T and \vec{a}_1