Recitation Exam 3

Problem 1: (10 points)
A small block of mass $m$ rests on the rough, sloping side of a triangular block of mass $M$ which itself rests on a horizontal frictionless table as shown. The sloping plane of the triangular block makes and angle $\theta$ with the horizontal. If the coefficient of static friction is $\mu$, determine the minimum horizontal force $P$ applied to $M$ that will cause the small block to start moving up the incline.