10. Wedge ***(5 points)*** A wedge of mass M is kept at rest on an horizontal surface, and a block of mass m is kept on the wedge at the height h from the surface. The angle of the wedge is α, see Fig. There is no friction neither between the block and wedge nor between the surface and the wedge. The system is released into a free motion. Find the time t needed for the block to reach the surface.

