

Problem 1.3 (due Friday) shows a rigid weight-less beam, carrying an end load, P , and supported at the left end by two (frictionless pins). The pin at the top is pulled upwards and held in place by a cable inclined at a 45 degree angle with the horizontal.

If this system is in static equilibrium, show, on the figure below, the line of action of the reaction force acting at the pin B. The dashed lines indicate possibilities.

