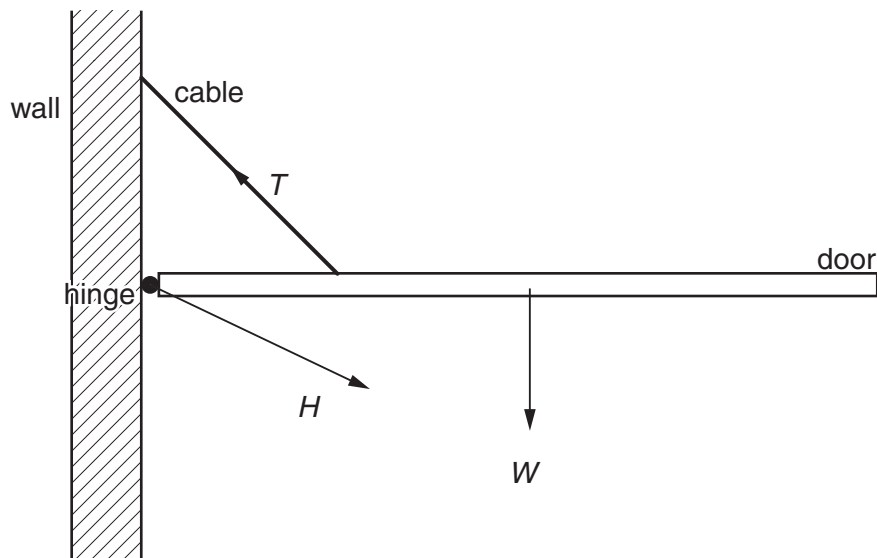


16 A hinged door is held closed in the horizontal position by a cable.

Three forces act on the door: the weight W of the door, the tension T in the cable, and the force H at the hinge.



Which list gives the three forces in **increasing** order of magnitude?

A H, T, W

B T, H, W

C W, H, T

D W, T, H

17 A mass is raised vertically. In time t , the increase in its gravitational potential energy is E and the