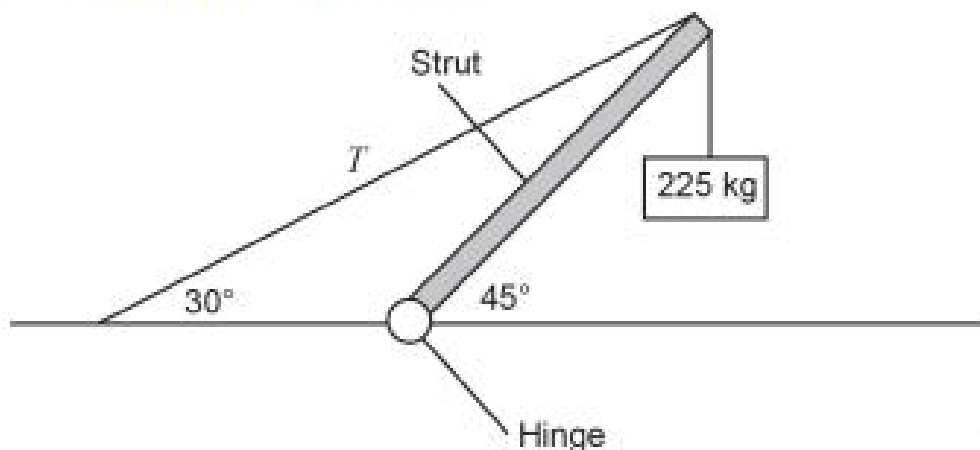


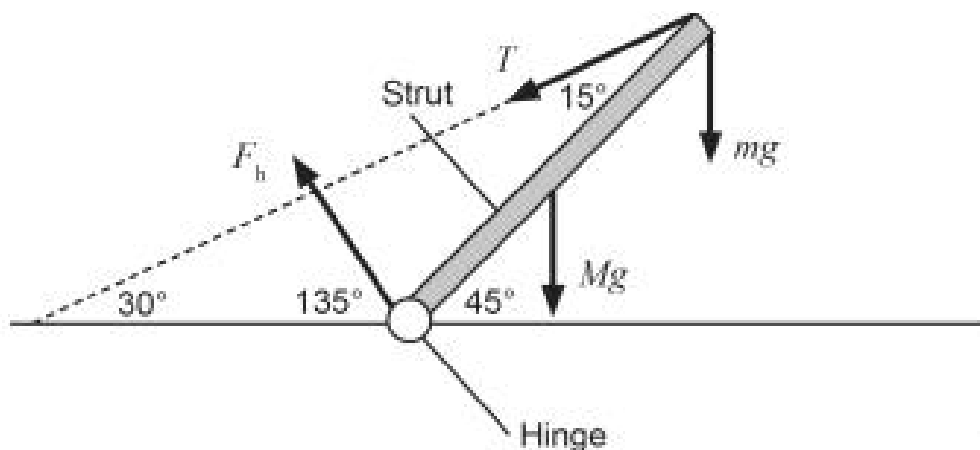
### Question 6

(4 marks)

The diagram below shows a system in equilibrium.



A student drew a diagram of the forces acting on the strut. That diagram is shown below. It is not drawn to scale.



- (a) With specific reference to the conditions required for equilibrium, explain why the diagram of the forces is incorrect. (2 marks)

---



---



---



---

- (b) Using the diagram below, show what change(s) should be made to correct it. (Calculations are not required.) (2 marks)

