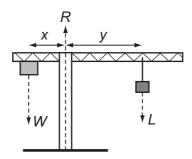
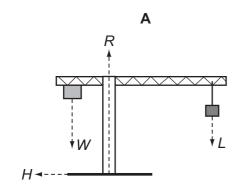
15 The diagram shows a crane supporting a load *L*.

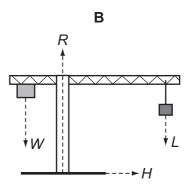


A mass provides a balancing load W. The position of the load is such that the system is perfectly balanced with Wx = Ly. The ground provides a reaction force R. The distance x does not change.

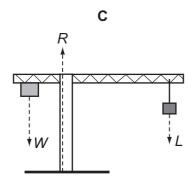
If the load is moved further out so that the distance *y* increases and the crane does not topple, which statement is correct?



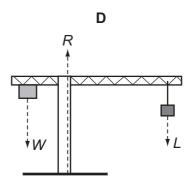
A horizontal force *H* acts on the base of the support column towards the left.



A horizontal force *H* acts on the base of the support column towards the right.



The reaction force *R* moves to the left.



The reaction force *R* moves to the right.

Space for working