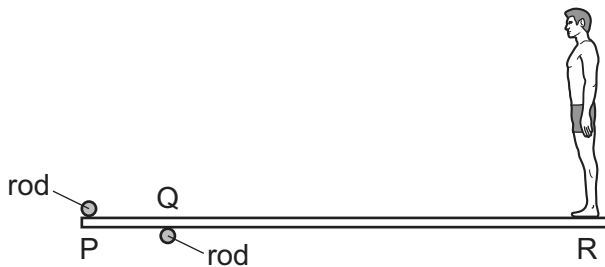


- 13 A uniform diving-board is held by two fixed rods at points P and Q. A person stands at end R of the diving-board, as shown.



The forces exerted by the rods on the board are vertical. The board remains in equilibrium as the person slowly moves towards point Q from end R.

Which row describes the changes to the forces exerted by the rods on the board?

	force at P	force at Q
A	decreases	decreases
B	decreases	increases
C	increases	decreases
D	increases	increases

- 14 Two forces, each of magnitude F , act in opposite directions on a rod