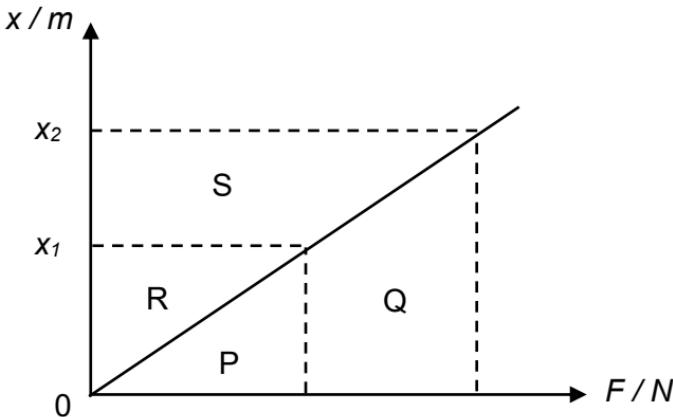


- 6 The variation with force of the extension of a spring is shown in the figure below. The work done in stretching the spring from x_1 to x_2 is given by the area



A P + Q

B S

C R + S

D Q

- 7 A mass m moves on a rough plane inclined at an angle θ to the horizontal and, when