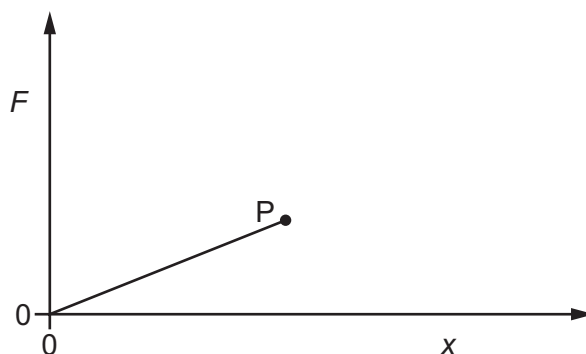


23 A wire of length L is stretched to determine its limit of proportionality.

The graph shows the variation of the extension x with the force F applied to the wire.



The limit of proportionality is shown by point P on the graph.

The experiment is repeated with another wire of length $2L$ but of the same material and same diameter as the first wire.

Which point on the graph shows the limit of proportionality for the new wire?

