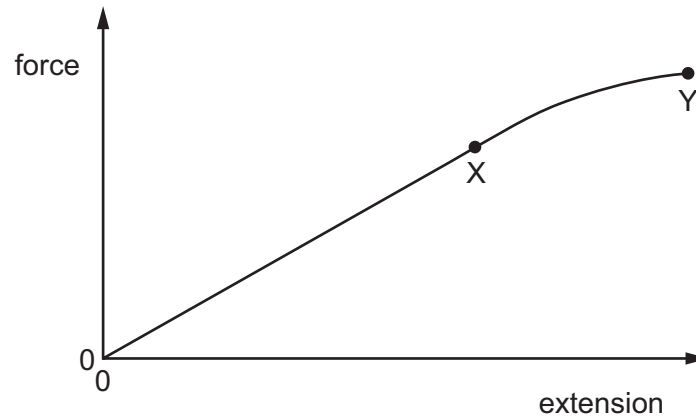


- 19** A sample of metal is subjected to a force which increases to a maximum value and then decreases back to zero. A force-extension graph for the sample is shown.



When the sample contracts it follows the same force-extension curve as when it was being stretched.

What is the behaviour of the metal between X and Y?

- A** both elastic and plastic
- B** not elastic and not plastic
- C** plastic but not elastic
- D** elastic but not plastic

Space for working