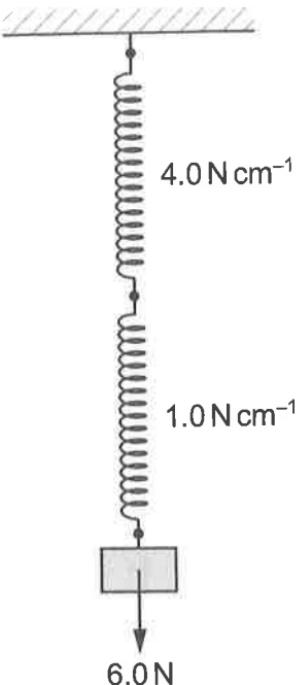


- 10 Two springs are joined end-to-end to form a composite spring. The separate springs have spring constants 4.0 N cm^{-1} and 1.0 N cm^{-1} . A load of 6.0 N is suspended from this composite spring.



What is the extension of the composite spring?

A 1.2 cm

B 2.0 cm

C 2.4 cm

D 7.5 cm

- 11 An increasing force is applied to a wire. The wire is stretched within the limit of Hooke's law. The