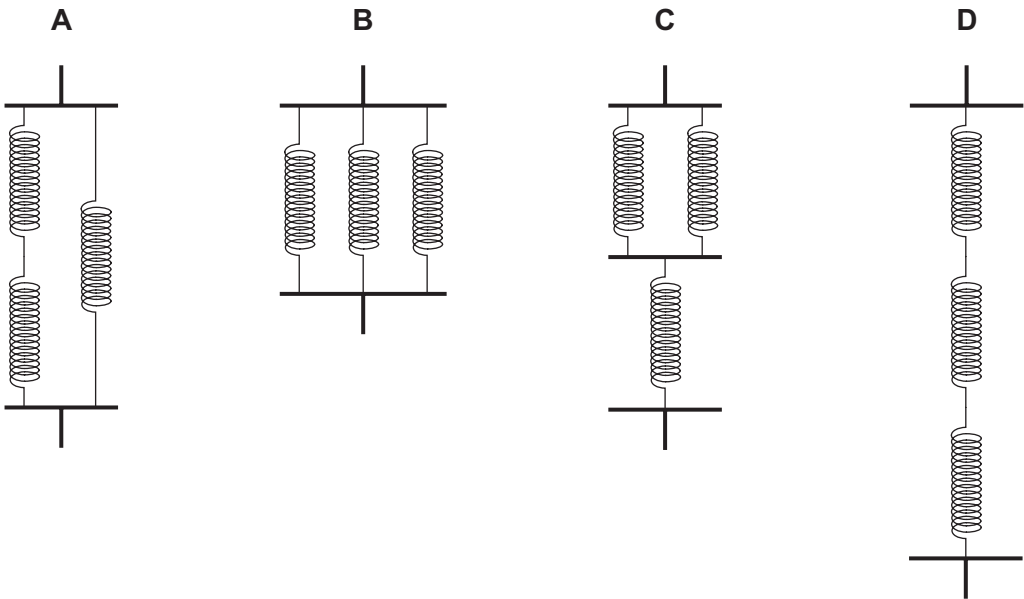
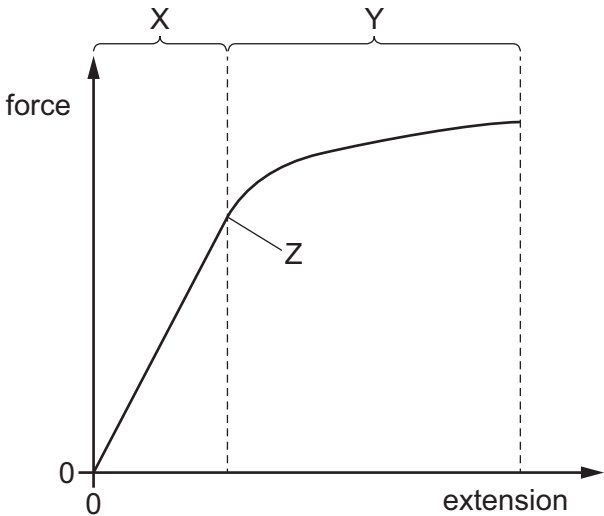


18 Three identical springs, each with the same spring constant, are connected together in four different arrangements, as shown.

Which arrangement has the largest combined spring constant?



19 The force–extension graph for a wire is shown.



Which row could identify the labels X, Y and Z?

	limit of proportionality	region of elastic deformation	region of plastic deformation
<b>A</b>	X	Y	Z
<b>B</b>	Z	Y	X
<b>C</b>	Y	Z	X
<b>D</b>	Z	X	Y