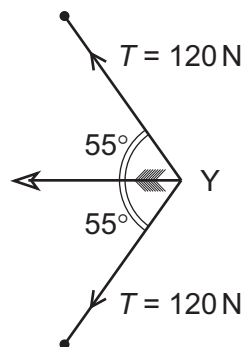
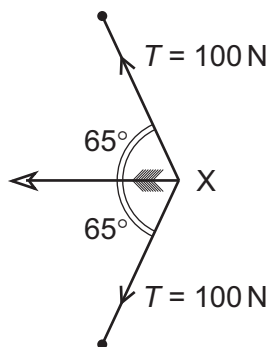


- 14** An archer draws his bowstring back to position X. The bowstring and arrow are shown. The tension T in the string is also shown. Then he draws the bowstring back further to position Y.



The resultant force on the arrow is greater when the arrow is released from position Y.

What is the increase in force?

- A** 15 N **B** 27 N **C** 40 N **D** 53 N

Space for working