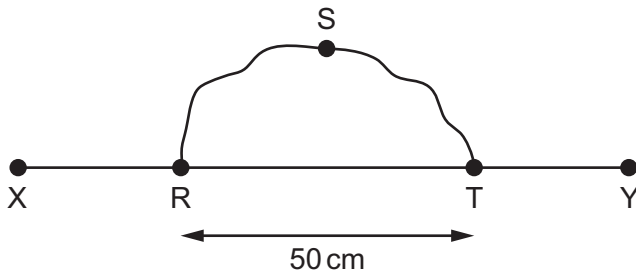


38 A wire RST is connected to another wire XY as shown.



Each wire is 100 cm long with a resistance per unit length of $10\Omega\text{m}^{-1}$.

What is the total resistance between X and Y?

- A** 3.3Ω **B** 5.0Ω **C** 8.3Ω **D** 13.3Ω

39 When α particles are directed at gold leaf