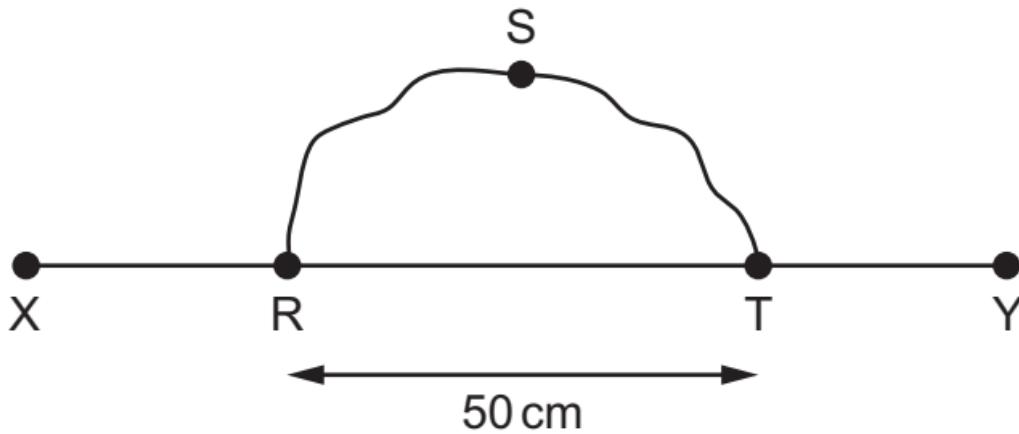


38 A wire RST is connected to another wire XY as shown.



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

What is the total resistance between X and Y?

A 3.3Ω

B 5.0Ω

C 8.3Ω

D 13.3Ω

39 When γ particles are directed at gold leaf