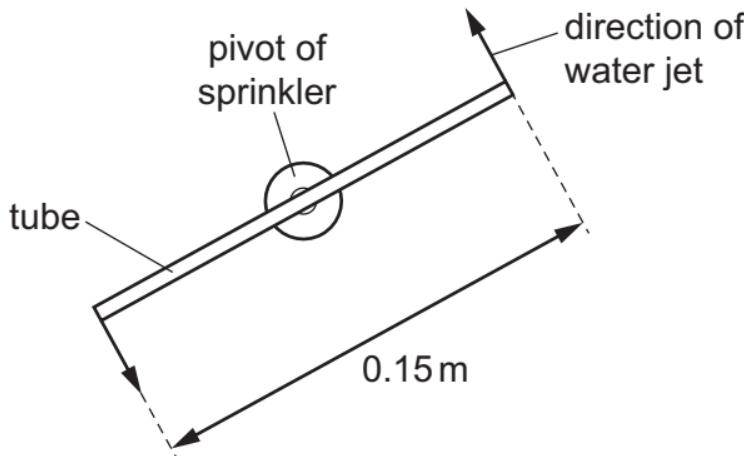


10 The diagram shows the view from above of a sprinkler system used to water a garden.



The sprinkler consists of a tube of length 0.15 m. The tube is pivoted in the middle and spins in a horizontal plane as it lets out jets of water from each end. The two water jets are in opposite directions to each other. Each water jet exerts a horizontal force of 3.0 N on the tube at right angles to the tube.

What is the magnitude of the torque on the tube from the water jets?

- A 0 Nm
- B 0.23 Nm
- C 0.45 Nm
- D 0.90 Nm