20  A metal cube has a resistance of 4.0 Ω between opposite faces. Ten of these cubes are put together to make a cuboid as shown.



There is no extra resistance where the faces of the cubes touch each other.

What is the resistance of the cuboid when connected between faces X and Y?

A    1.6 Ω

B    2.0 Ω

C    10 Ω

D    40 Ω