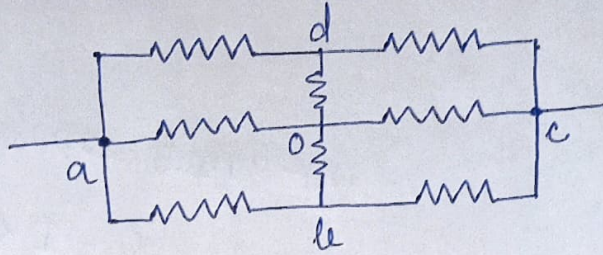
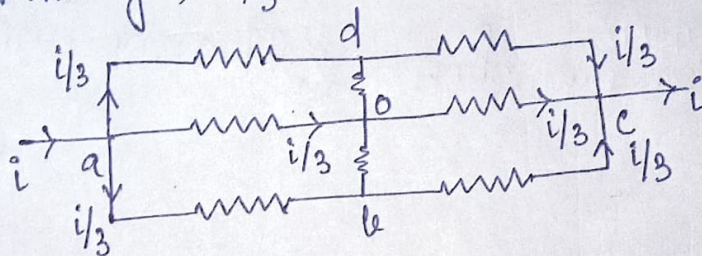


## OTHER PROBLEM

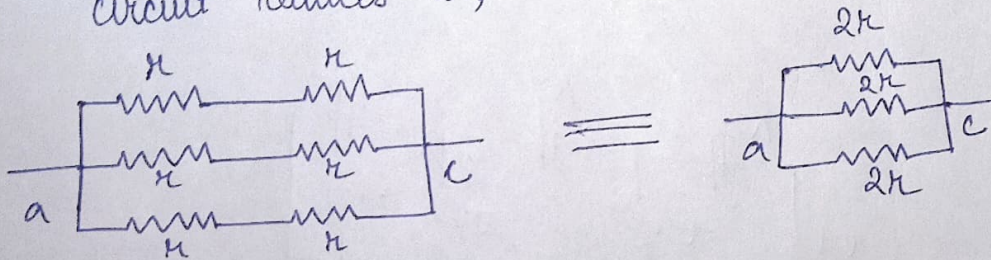
Q Find the equivalent resistance between the points a and c of the network shown below. Each resistance is equal for.



Answer: By symmetry at a, current in each branch is  $i/3$  where  $i$  is the incoming current at c. Similarly at c, by symmetry,  $i/3$  current enters to leave  $i$  at c.



Hence there is no current in od and ob branch and the circuit reduces to,



$$\therefore \text{The equivalent resistance} = \frac{2R}{3}$$