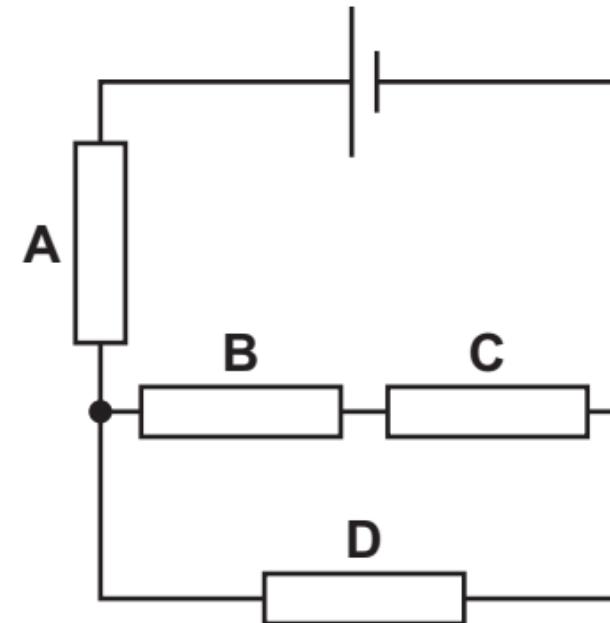


**36** The diagram shows four identical resistors connected in a circuit.

Which resistor dissipates the most power?



**37** No.  $U_1$ ,  $U_2$ ,  $U_3$ ,  $U_4$ ,  $U_5$ ,  $U_6$ ,  $U_7$ ,  $U_8$ ,  $U_9$ ,  $U_{10}$  and  $U_{11}$  are connected in series across a battery of emf  $E$ .