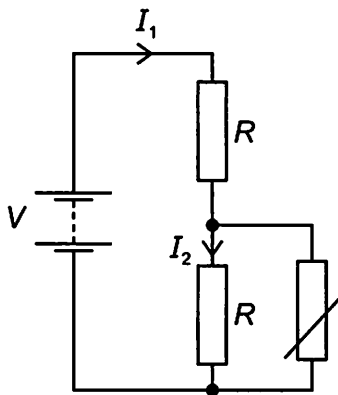


- 21 In a hot oven at a particular temperature, the resistance of a thermistor is R . It is connected in the circuit of two resistors, each of resistance R , and a battery of e.m.f. V . The currents in the two resistors are I_1 and I_2 as shown.



How do the currents change when the oven is cold?

	I_1	I_2
A	decreases	decreases
B	decreases	increases
C	increases	decreases
D	increases	increases

- 22 The diagram shows a network of $100\ \Omega$ resistors, a variable resistor R and a 10 V battery.