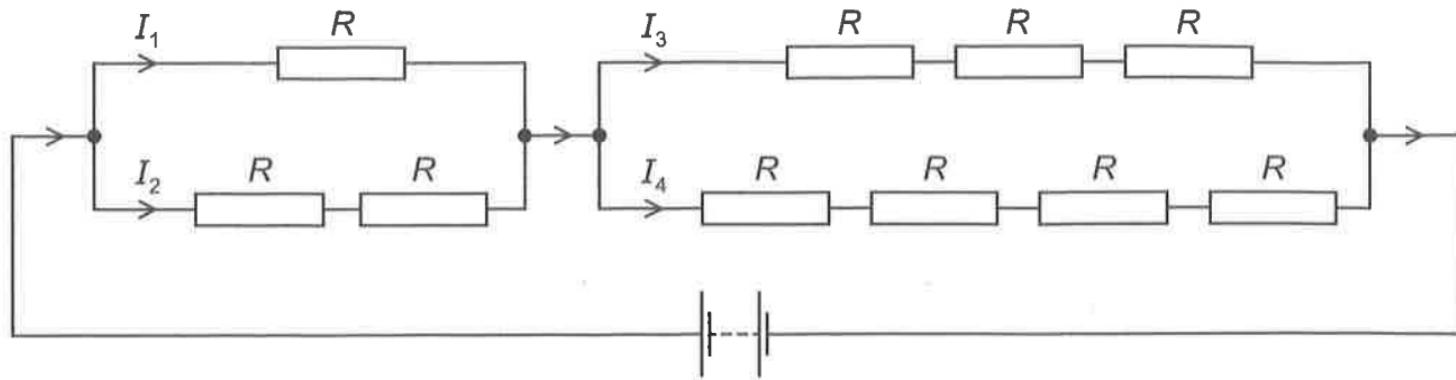


- 27 Ten identical resistors, each of resistance R , are arranged in a network connected across a constant source of potential difference as shown.



The currents in the network are I_1 , I_2 , I_3 and I_4 .

What is the order of these currents, from the largest to the smallest?

- A $I_1 \rightarrow I_2 \rightarrow I_3 \rightarrow I_4$
- B $I_1 \rightarrow I_3 \rightarrow I_2 \rightarrow I_4$
- C $I_1 \rightarrow I_3 \rightarrow I_4 \rightarrow I_2$
- D $I_4 \rightarrow I_3 \rightarrow I_2 \rightarrow I_1$

- 28 Four vertical wires, P, Q, R and S, are at the corners of a square.