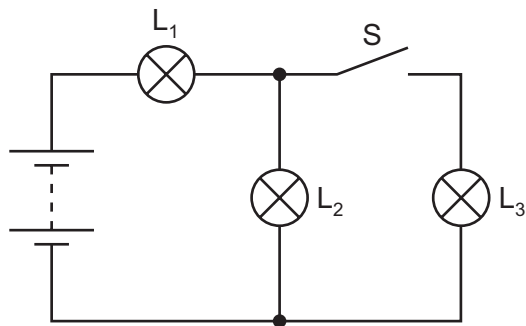


- 36** Three identical lamps  $L_1$ ,  $L_2$  and  $L_3$  are connected to a battery with negligible internal resistance, as shown.



What happens to the brightness of lamps  $L_1$  and  $L_2$  when the switch  $S$  is closed?

	lamp $L_1$	lamp $L_2$
<b>A</b>	brighter	brighter
<b>B</b>	brighter	dimmer
<b>C</b>	dimmer	brighter
<b>D</b>	dimmer	dimmer

- 37** In the circuit shown, the 6.0 V battery has negligible internal resistance. Resistors  $R_1$ ,  $R_2$  and  $R_3$  are