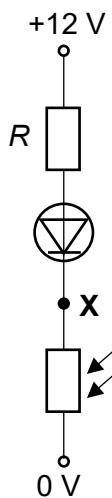


- 22 In bright light, a light-dependent resistor (LDR) has a resistance of  $R$ . It is connected in series with an ideal diode and a fixed resistor of resistance  $R$ . An ideal diode has zero resistance in the forward direction and infinite resistance in the reverse direction.

In which arrangement will the potential at **X** increase when the circuit is moved to a darker environment?

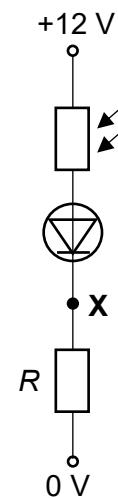
**A**



**B**



**C**



**D**

