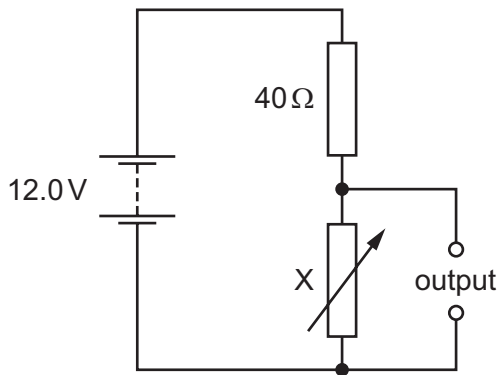


- 34** In the circuit shown, X is a variable resistor whose resistance can be changed from 5.0Ω to 500Ω . The e.m.f. of the battery is 12.0V . It has negligible internal resistance.



What is the maximum range of values of potential difference across the output?

- A** 1.3V to 11.1V
- B** 1.3V to 12.0V
- C** 1.5V to 11.1V
- D** 1.5V to 12.0V

- 35** There is a current from D to B in the resistor network shown