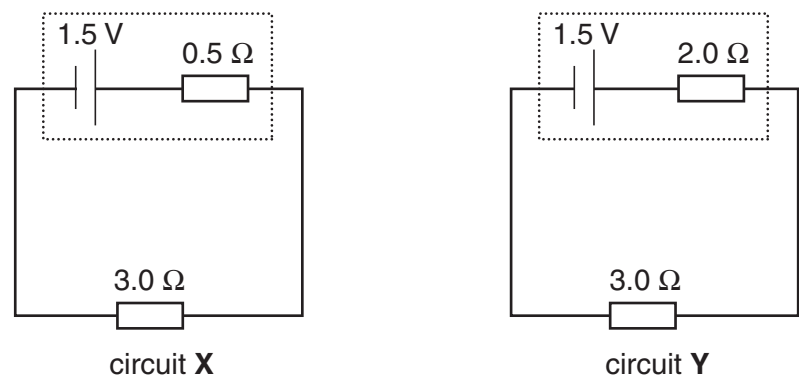


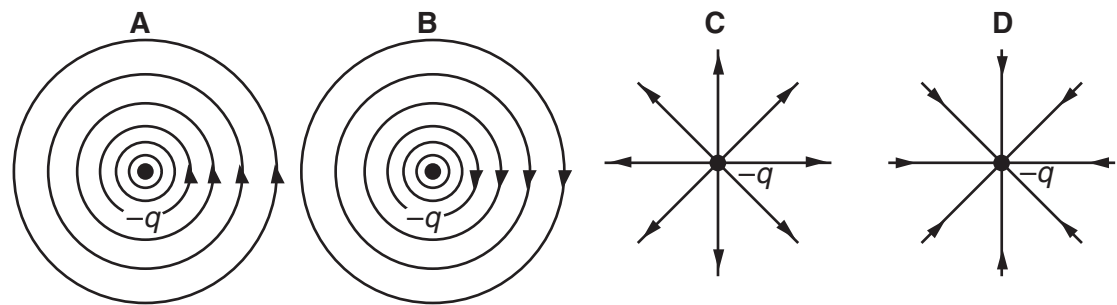
34 The diagram shows two circuits. In these circuits, only the internal resistances differ.



Which line in the table is correct?

	potential difference across 3.0 Ω resistor	power dissipated in 3.0 Ω resistor
A	greater in X than in Y	less in X than in Y
B	greater in X than in Y	greater in X than in Y
C	less in X than in Y	less in X than in Y
D	less in X than in Y	greater in X than in Y

35 Which diagram represents the electric field of a negative point charge $-q$?



36 A potential difference V is applied between two parallel plates a small distance d apart, and produces an electric field of strength E between the plates.



What is the electric field strength between the plates when both V and d are doubled?

- A $E/4$ B E C $2E$ D $4E$