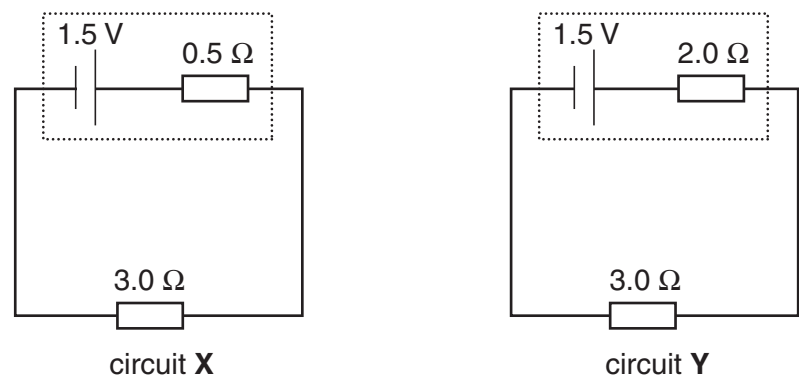


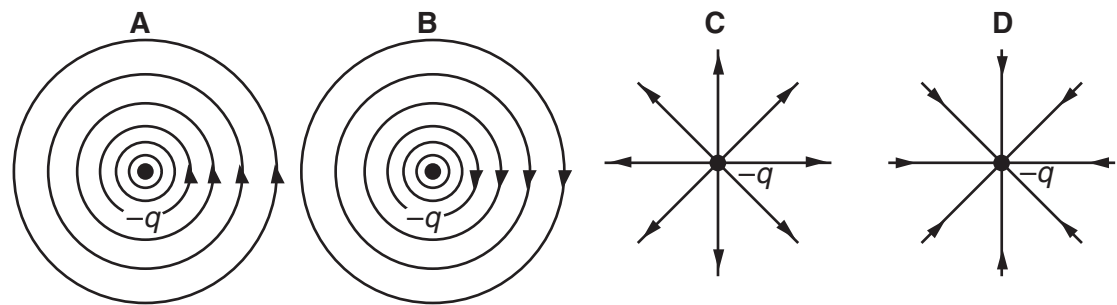
34 The diagram shows two circuits. In these circuits, only the internal resistances differ.



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  $4E$