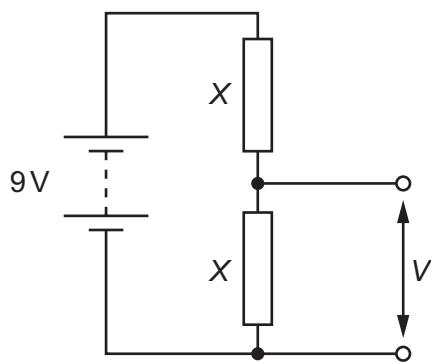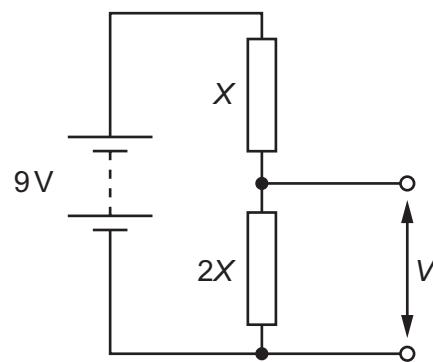36 Four potential divider circuits each consist of a battery of electromotive force (e.m.f.) 9 V and negligible internal resistance connected to a combination of resistors. Each of the resistors in the circuits has a resistance of X or $2X$.
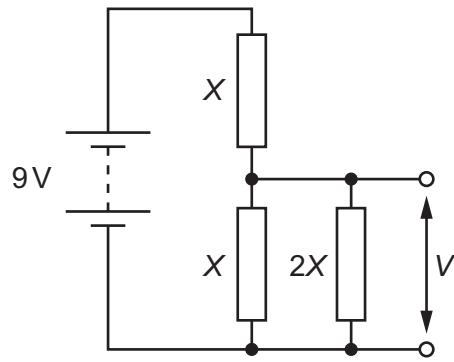
Which circuit has the largest output voltage V?

A

9 V — X (top), X (bottom), output V

B

9 V — X (top), $2X$ (bottom), output V

C

9 V — X (top), X and $2X$ in parallel (bottom), output V

D

9 V — X and $2X$ in parallel (top), X (bottom), output V