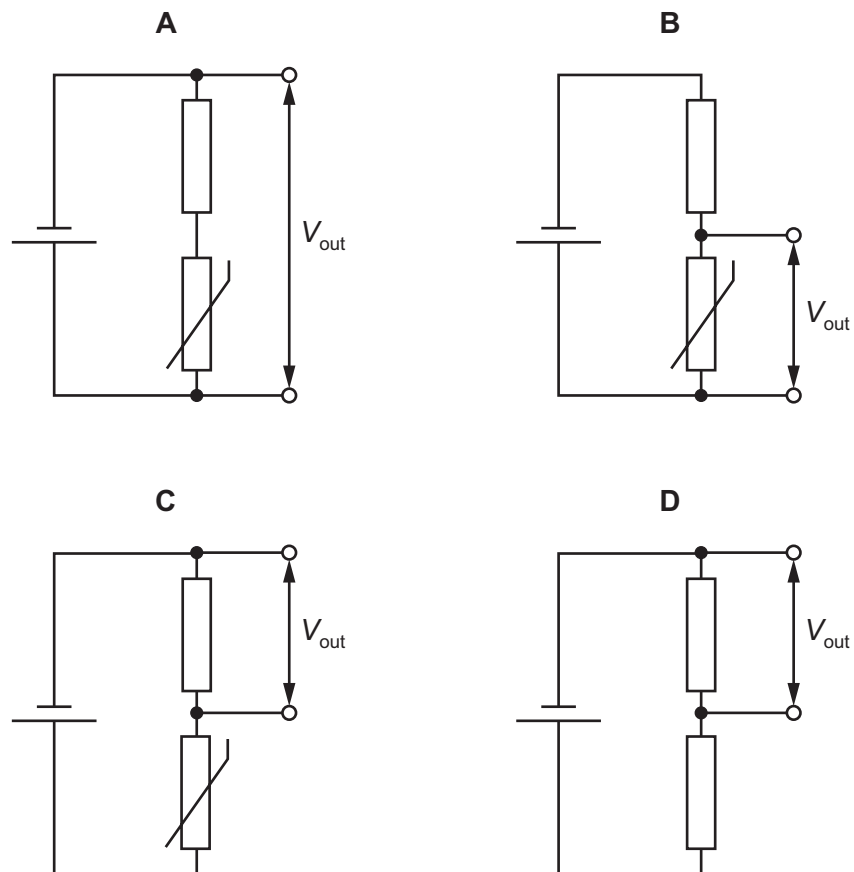
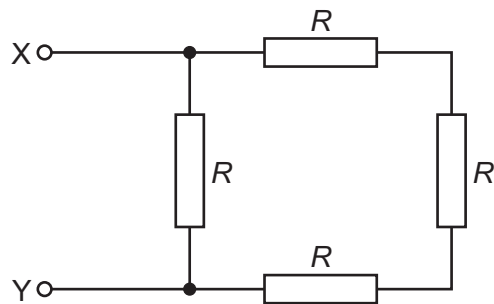


33 Which circuit results in output voltage  $V_{\text{out}}$  increasing with increasing temperature?



34 Four resistors, each of resistance  $R$ , are connected as shown.



The total resistance between point X and point Y is  $120\ \Omega$ .

What is the magnitude of the resistance  $R$ ?

- A**  $30\ \Omega$       **B**  $90\ \Omega$       **C**  $160\ \Omega$       **D**  $480\ \Omega$