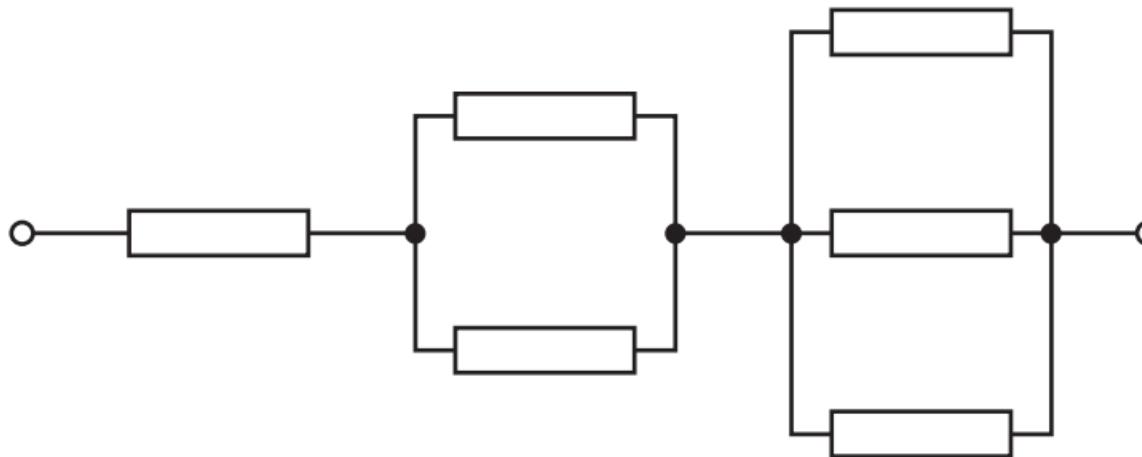


**36** Six resistors, each of resistance  $R$ , are connected as shown.



The combined resistance is  $66\text{ k}\Omega$ .

What is the value of  $R$ ?

**A**  $11\text{ k}\Omega$

**B**  $18\text{ k}\Omega$

**C**  $22\text{ k}\Omega$

**D**  $36\text{ k}\Omega$

**27** A potential divider consists of two resistors of resistances  $R_1$  and  $R_2$ , connected in series across a