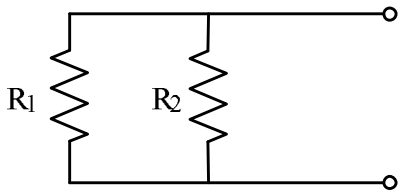


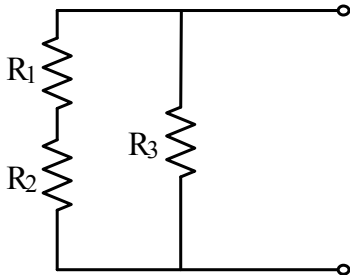
The Practice for Finding Equivalent Resistances

1. $R_1=12\ \Omega$ and $R_2=30\ \Omega$. Find the R_{eq} .



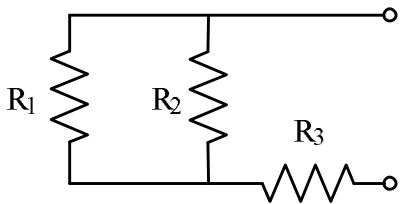
Ans. $8.57\ \Omega$

2. $R_1=5\ \Omega$, $R_2=10\ \Omega$, and $R_3=15\ \Omega$. Find the R_{eq} .



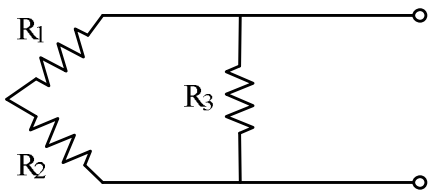
Ans. $7.5\ \Omega$

3. $R_1=8\ \Omega$, $R_2=16\ \Omega$, and $R_3=6\ \Omega$. Find the R_{eq} .



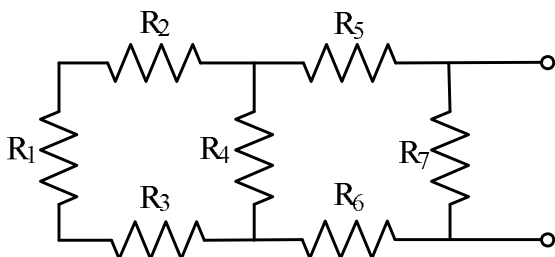
Ans. $11.3\ \Omega$

4. $R_1=2\ \Omega$, $R_2=14\ \Omega$, and $R_3=5\ \Omega$. Find the R_{eq} .



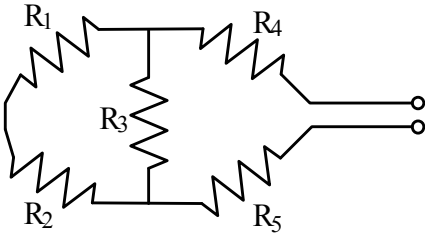
Ans. $3.8\ \Omega$

5. $R_1=20\ \Omega$, $R_2=40\ \Omega$, $R_3=50\ \Omega$, $R_4=70\ \Omega$, $R_5=30\ \Omega$, $R_6=10\ \Omega$, and $R_7=60\ \Omega$. Find the R_{eq} .



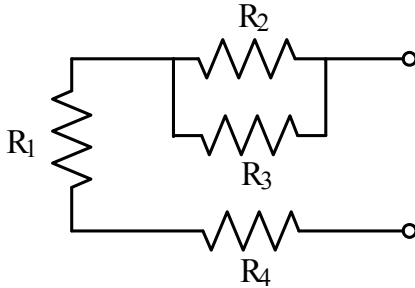
Ans. $34.8\ \Omega$

6. $R_1=3\ \Omega$, $R_2=2\ \Omega$, $R_3=3\ \Omega$, $R_4=3\ \Omega$, and $R_5=2\ \Omega$. Find the R_{eq} .



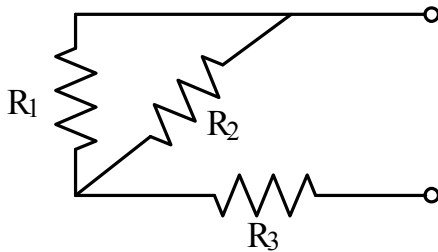
Ans. 6.875 Ω

7. $R_1=8\ \Omega$, $R_2=12\ \Omega$, $R_3=10\ \Omega$, and $R_4=8\ \Omega$. Find the R_{eq} .



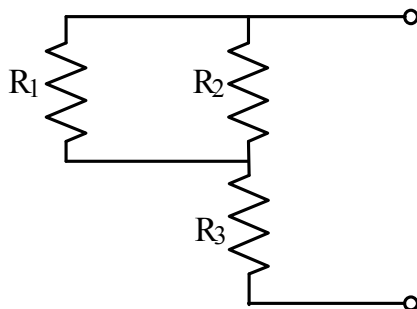
Ans. 21.5 Ω

8. $R_1=2\ \Omega$, $R_2=14\ \Omega$, and $R_3=5\ \Omega$. Find the R_{eq} .



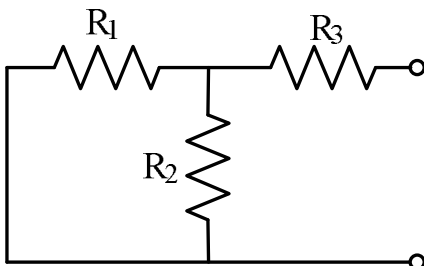
Ans. 6.75 Ω

9. $R_1=68\ \Omega$, $R_2=84\ \Omega$, and $R_3=75\ \Omega$. Find the R_{eq} .



Ans. 112.6 Ω

10. $R_1=22\ \Omega$, $R_2=18\ \Omega$, and $R_3=35\ \Omega$. Find the R_{eq} .



Ans. 44.9 Ω