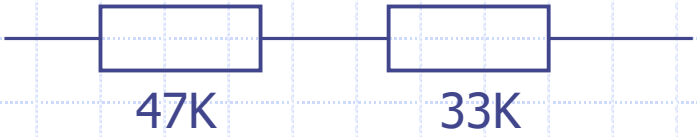
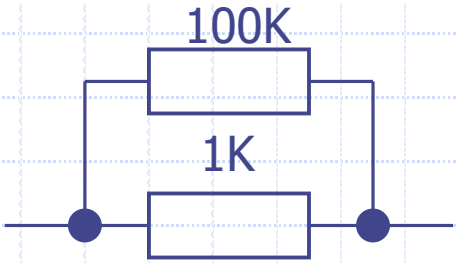
QUIK THINKAZ

What is the total value of each resistor network?

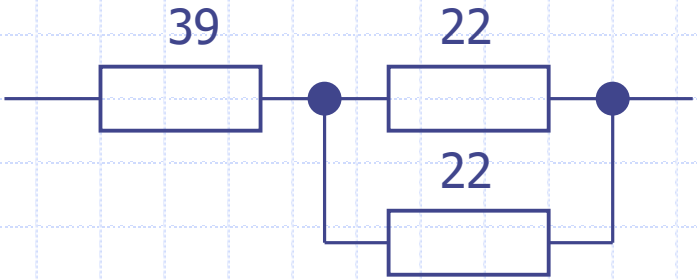
1



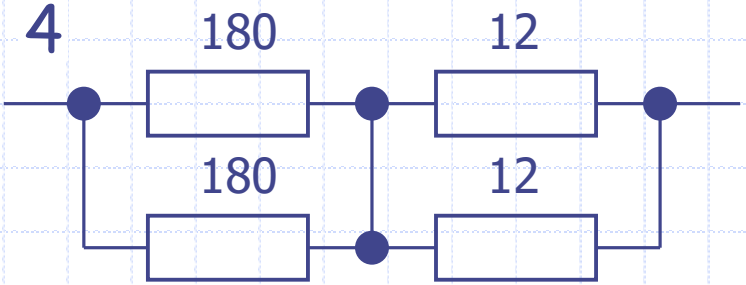
2



3



4



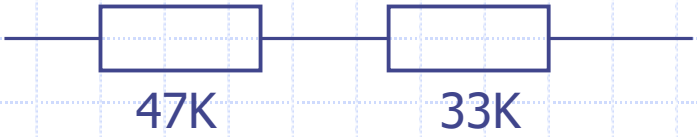
Resistors in series: $R_t = R_1 + R_2$

Resistors in parallel: $R_t = \frac{R_1 \times R_2}{R_1 + R_2}$

QUIK THINKAZ

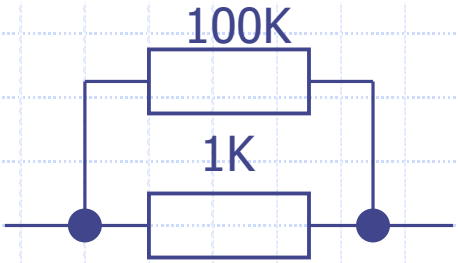
What is the overall value of each resistor network?

1

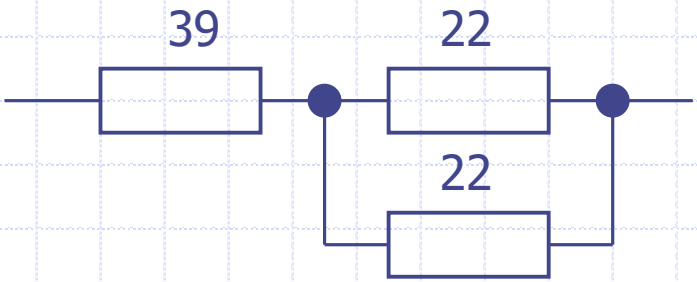


Rt = 47K + 33K = **80K**

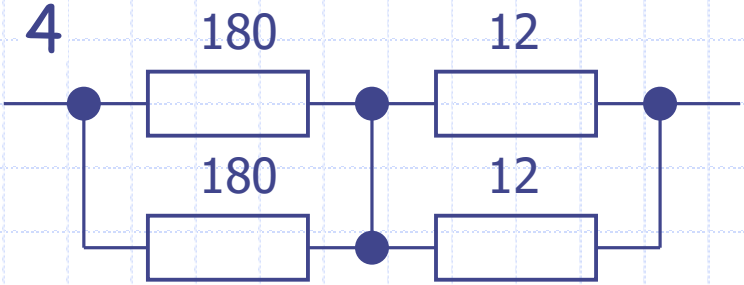
2



3



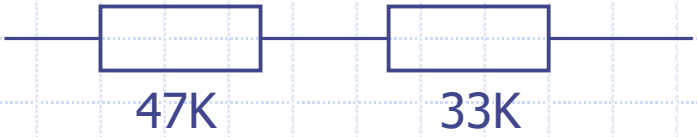
4



QUIK THINKAZ

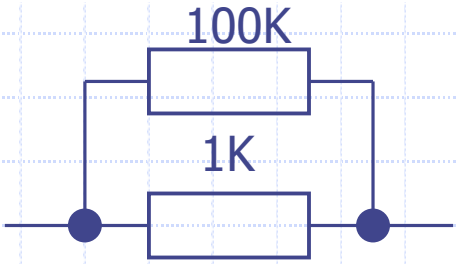
What is the overall value of each resistor network?

1



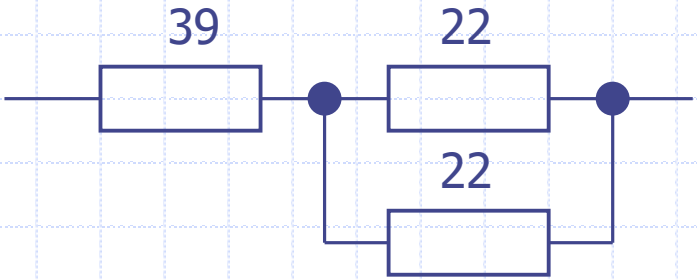
Rt = 47K + 33K = **80K**

2

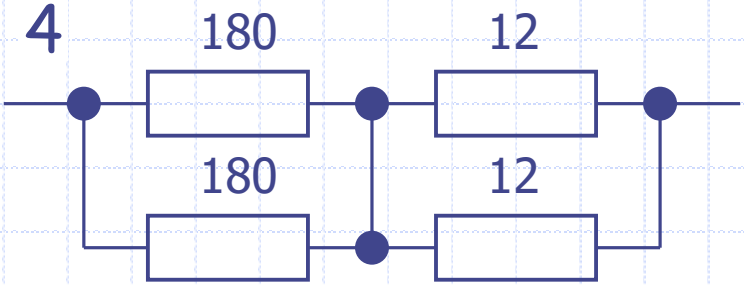


$$Rt = \frac{100K \times 1K}{100K + 1K} = \frac{100K}{101K} = \mathbf{0.99K}$$

3



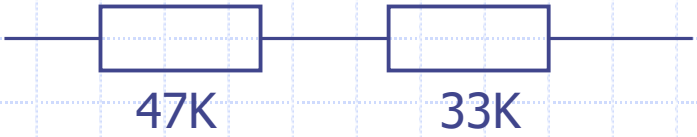
4



QUIK THINKAZ

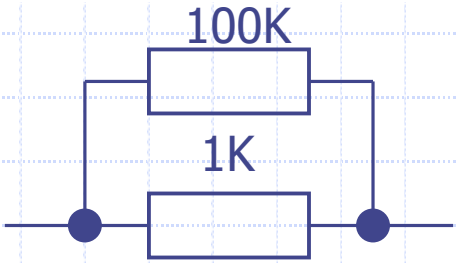
What is the overall value of each resistor network?

1



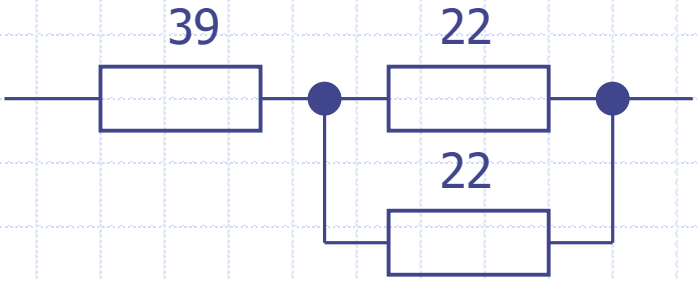
$Rt = 47K + 33K = \mathbf{80K}$

2

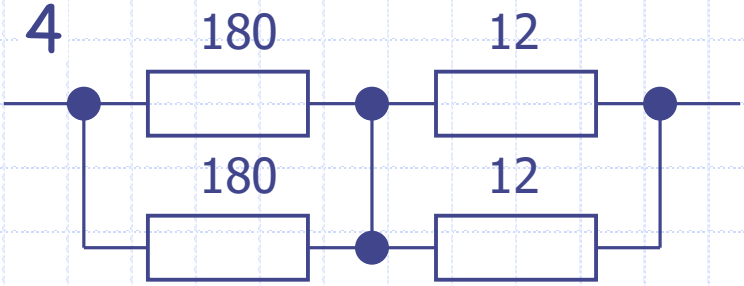


$$Rt = \frac{100K \times 1K}{100K + 1K} = \frac{100K}{101K} = \mathbf{0.99K}$$

3



4

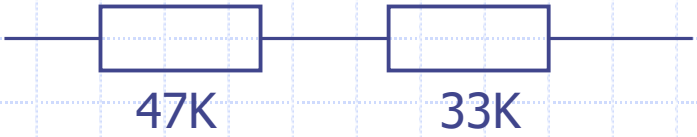


$$Rt = 39 + \frac{22 \times 22}{22 + 22} = 39 + \frac{484}{44} = 39 + 11 = \mathbf{50}$$

QUIK THINKAZ

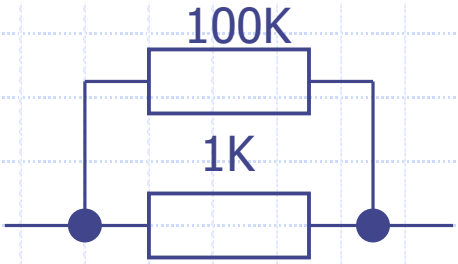
What is the overall value of each resistor network?

1



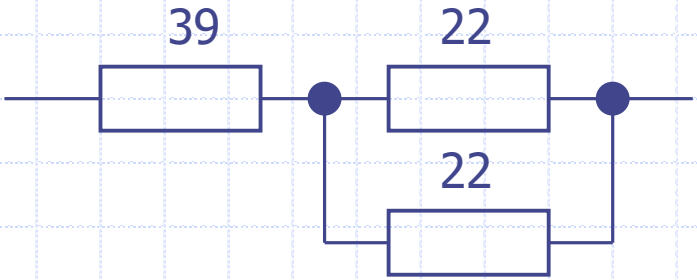
Rt = 47K + 33K = **80K**

2



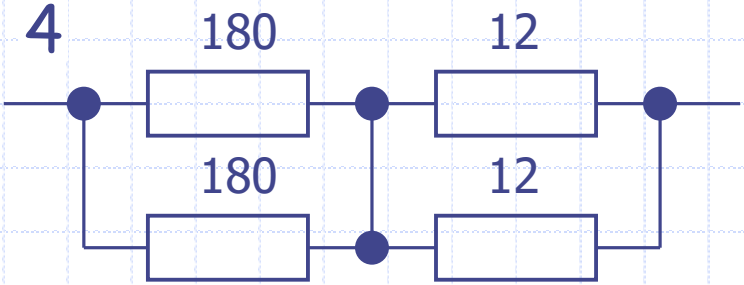
$$Rt = \frac{100K \times 1K}{100K + 1K} = \frac{100K}{101K} = \mathbf{0.99K}$$

3



Rt = 39 + 11 = **50**

4



Rt = 90 + 6 = **96**