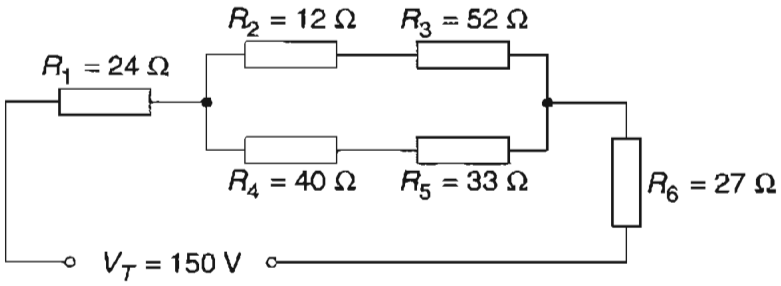
Question 24 (3 marks)

Calculate the total resistance of the electrical circuit shown. Show all your working in the space provided. **3**



$12 + 52 = 64$

$40 + 33 = 73$

$24 + 34.1 + 27 = 55.1\ \Omega$

$$\frac{1}{\frac{1}{64} + \frac{1}{73}} = 34.1$$

$R_T = 55.1\ \Omega$