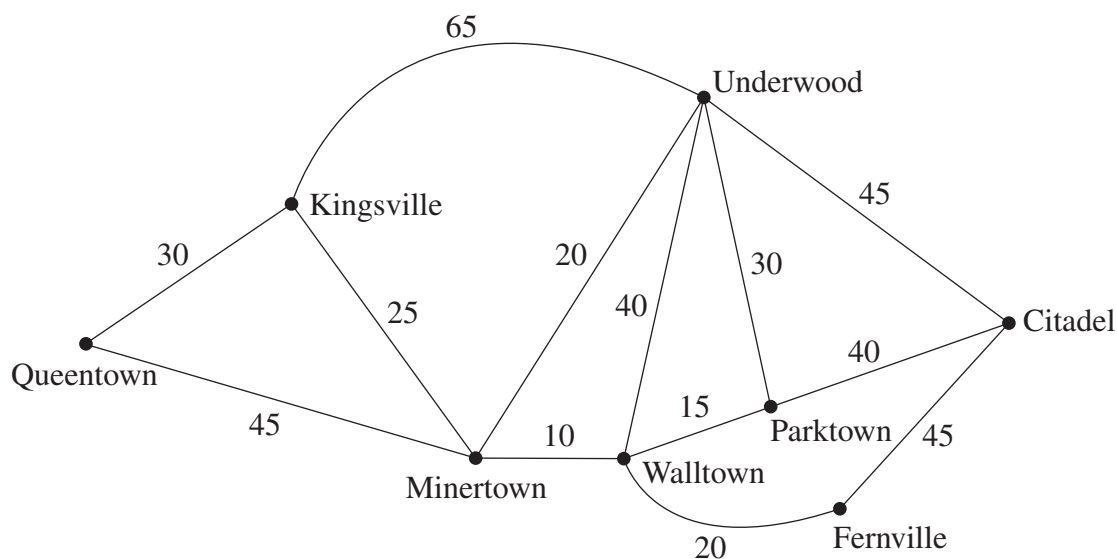


**Question 23** (4 marks)

The network diagram shows the travel times in minutes along roads connecting a number of different towns.



- (a) Draw a minimum spanning tree for this network and determine its length.

**3**

Length of minimum spanning tree = .....

- (b) How long does it take to travel from Queentown to Underwood using the fastest route?

**1**

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