





For 6 vertices, there are 5 edges. The cost of the minimum spanning tree is 8.

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The minimal spanning tree is:

(2, 6) with cost 1

(4, 5) with cost 1

(6, 7) with cost 1

(0, 5) with cost 2

(1, 2) with cost 2

(2, 3) with cost 2

(0, 7) with cost 3

The cost of the minimal spanning tree is 12
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```
The minimal spanning tree is:

(0, 1) with cost 1

(3, 4) with cost 1

(0, 5) with cost 2

(1, 2) with cost 2

(1, 4) with cost 2

The cost of the minimal spanning tree is 8
```