

After sorting:

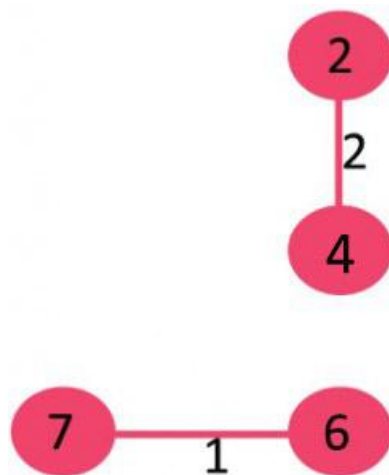
Source	Destination	Weight
7	6	1
4	2	2
6	5	2
0	1	4
2	5	4
4	6	4
2	3	7
7	4	7
0	7	8
1	2	8
1	7	11
3	5	14

Now pick all edges one by one from sorted list of edges

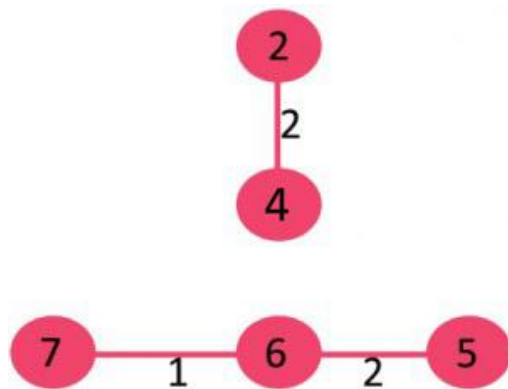
1. Pick edge 7-6: No cycle is formed, include it.



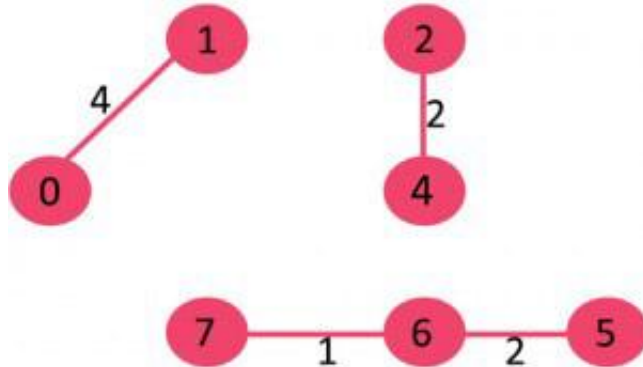
2. Pick edge 4-2: No cycle is formed, include it



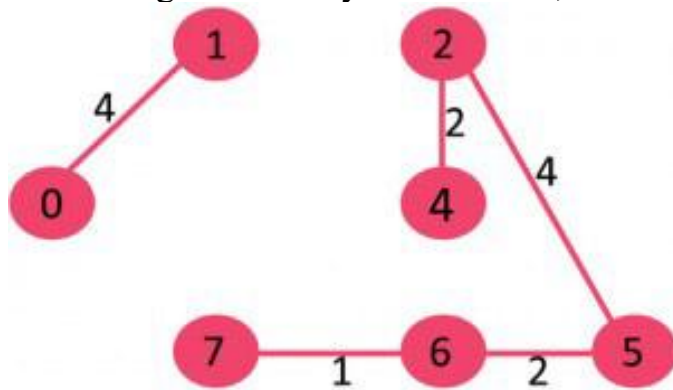
3. Pick edge 6-5: No cycle is formed, include it.



4. Pick edge 0-1: No cycle is formed, include it.

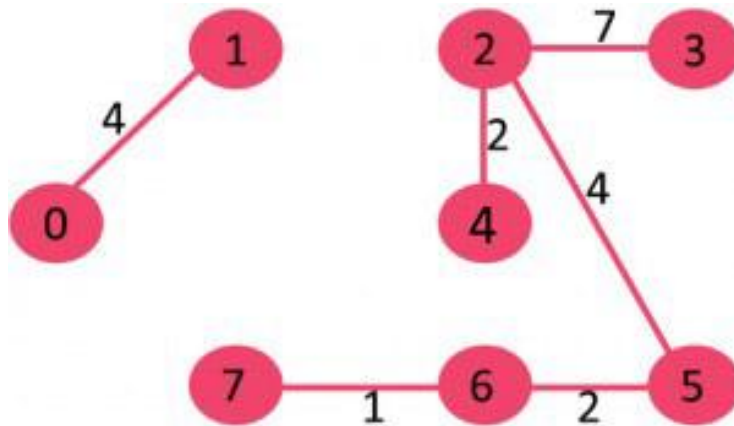


5. Pick edge 2-5: No cycle is formed, include it.



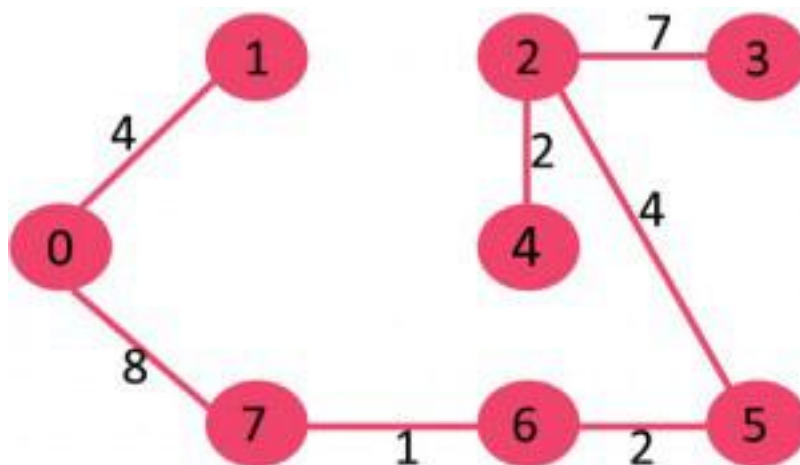
6. Pick edge 4-6: Since including this edge results in cycle, discard it.

7. Pick edge 2-3: No cycle is formed, include it.



8. Pick edge 7-4: Since including this edge results in cycle, discard it.

9. Pick edge 0-7: No cycle is formed, include it.



Since the number of edges included equals  $(V - 1)$ , the algorithm stops here.