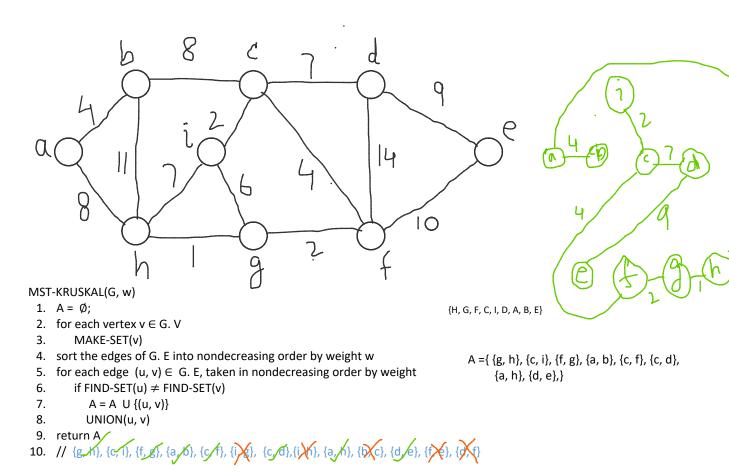
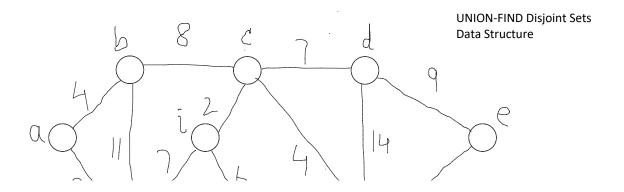
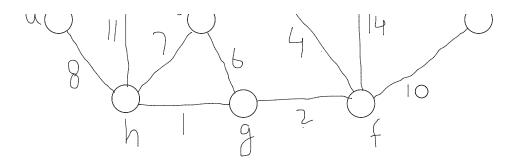
4+8+2+1++2+4+7+9=37







MST-KRUSKAL(G, w)

1. $A = \emptyset$;

2. for each vertex $v \in G$. V

MAKE-SET(v)

4. sort the edges of G. E into nondecreasing order by weight w

5. for each edge $(u, v) \in G$. E, taken in nondecreasing order by weight

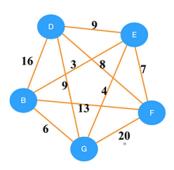
6. if FIND-SET(u) \neq FIND-SET(v)

7. $A = A \cup \{(u, v)\}$

8. UNION(u, v)

9. return A

10.



- 1. // {B,E},{E,G},{B,G},{E,F},{D,F},{D,G},{D,E},{B,F},{B,D},{F,G}
- 2. // 3 4 6 7 8 9 9 13 16 20