Minimum Spanning Tree (logninear) Kruskal's Algorithm (0(1E1 (109 1E1))

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dense better than from

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graph o (IV/2/logIVI)

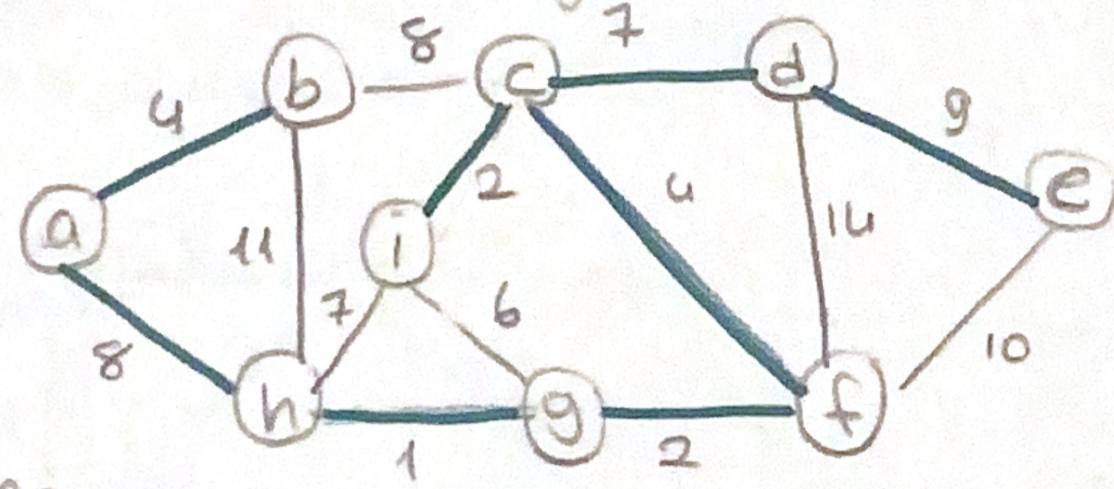
graph of morse than

prim

- 1. Sort all the edges from smallest to biggest in weights
- 2. Pick on edge
- 3. If the edge connects two vertices in disjoint subsets, merge the subsets, add the edge to F

If all subsets are merged -> STOP

exu



1. Assume every single vertex is the subset of the graph

hg \rightarrow pick this it $F = \{ng\}$ it $F = \{ng\}$

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