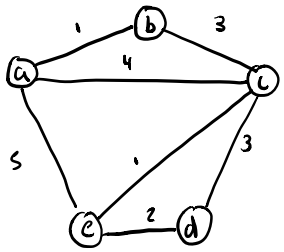
Chapter 9.

Greedy Algorithm

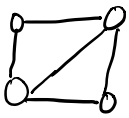
Change Problem

25¢, 10¢, 5¢, 1¢

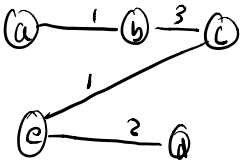
Prims Algorithm



minimal spanning tree
Connected graph.

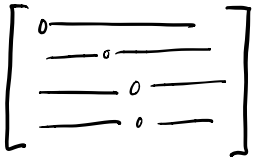


Minimum weight



a) $n-1$ b $n-2$

n^2 comparisons



krustag MST

Greedy approach from edge POV

1) Sort edges by cost

- Pick the cheapest edge