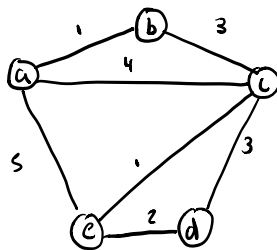


Chapter 9.

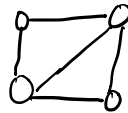
Greedy Algorithm Change Problem

25[¢], 10[¢], 5[¢], 1[¢]

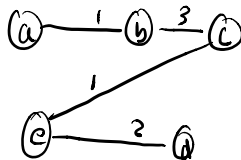
Prims Algorithm



minimal spanning tree
connected graph.

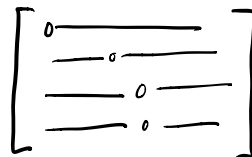


Minimum weight



$n-1$
a) \Rightarrow b) $\equiv n-2$

n^2 comparisons



Kruskal

MST

Greedy approach from edge Pov

1) Sort edges by cost

- Pick the cheapest edge

Greedy construct a sol'n through a sequence of steps, each expanding on a partial solution until a complete one is found