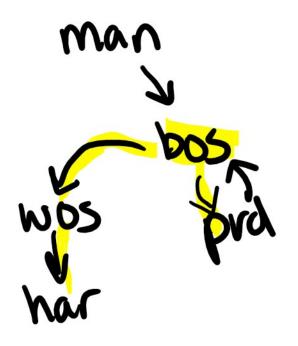


cameFrom (backtracking on routes)

Friday, October 21, 2022



HashMap<CityVertex, CityVertex> cameFrom



Dijkstra

201

Friday, October 21, 2022

ITH

NYC

DC

250

200

1:06 PM

10

wights

HAR

250

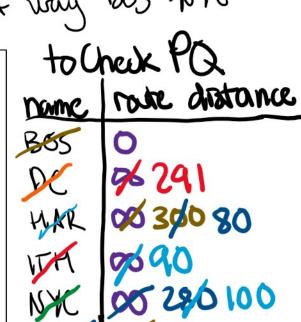
50

BOS

PVD

30

300



come From.

prod = bos

nor = bos

nyc = prod har

ith = har

dc = ith

bos > prd > har > nyc



Dijkstra's algorithm summary:

Choose a source node (Bos), and at every step, keep track of the best distance you've seen so far from the source node to every other node

For every step, consider the cheapest place you can get to, and update the costs to the source node based on the neighbor costs