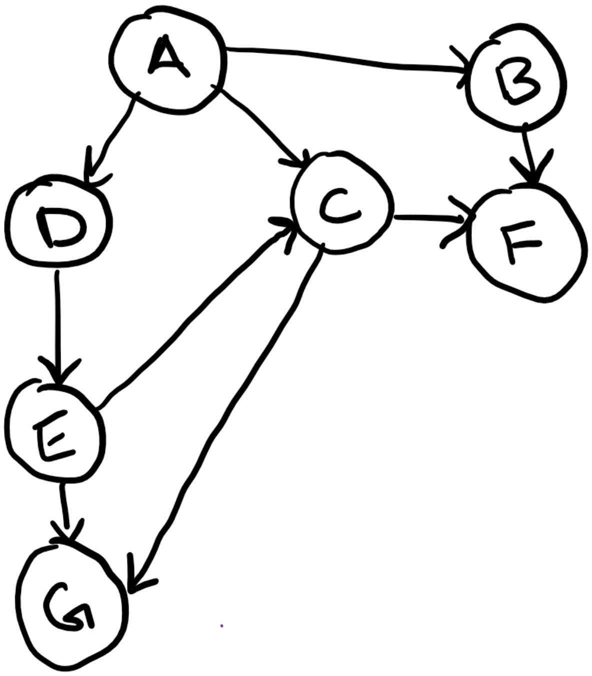
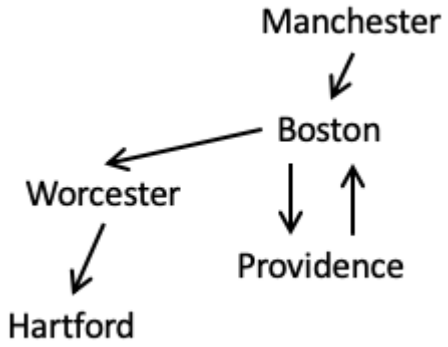


DFS visited: DFS list:	BFS visited: BFS list:

Backtracking

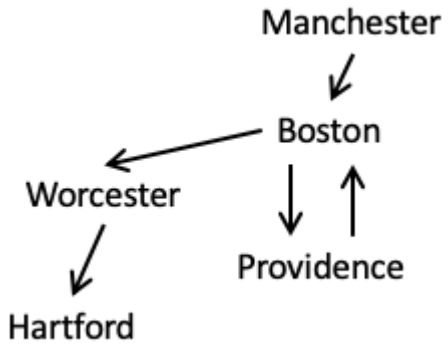


Step through the DFS and BFS algorithms for finding the route between Manchester and Hartford, this time keeping track of the previous city in a HashMap. Add more rows if you need to. The first few steps for DFS have been done for you.

DFS:

toCheck	**visited**	**cameFrom**
~~man bos~~ pvd	man, bos,	bos -> man pvd -> bos wos -> bos
wos		

Backtrack through cameFrom from Hartford to Manchester to get the route:

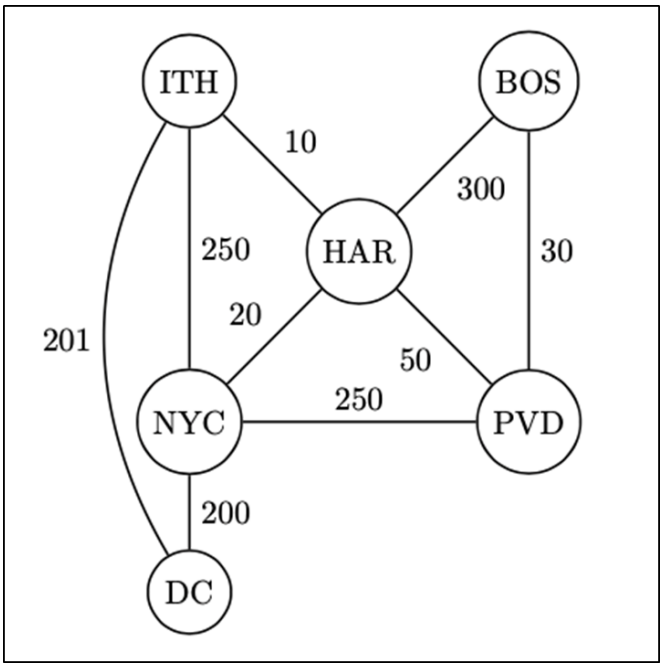


BFS:

toCheck	**visited**	**cameFrom**
~~man bos~~ pvd wos 	man, bos,	bos -> man pvd -> bos wos -> bos

Backtrack through cameFrom from Hartford to Manchester to get the route:

Dijkstra’s algorithm



Find the cheapest route from Boston to NYC

toCheckPQ

Name	Route Distance

Order in which items were removed from toCheckPQ:

cameFrom