Let's begin at 9:02 PM

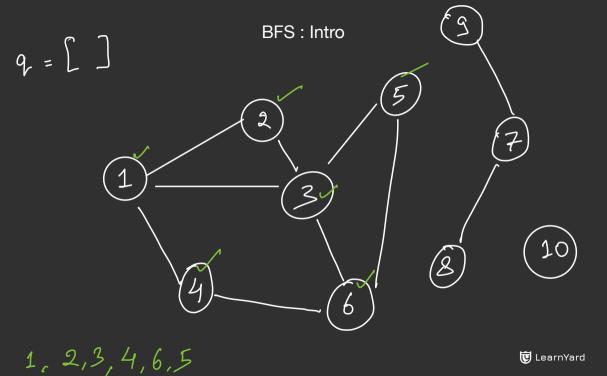
L85
Graph Traversals (BFS & DFS)

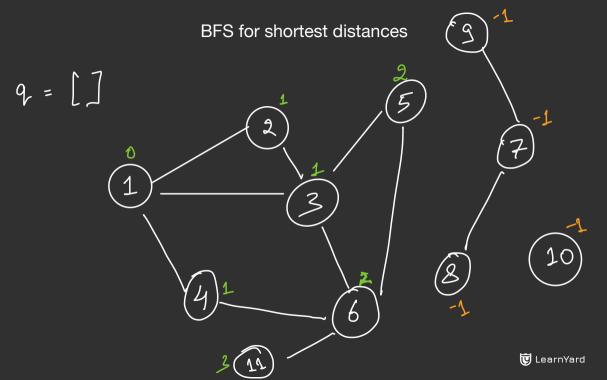
RECAP



Dy. Matrix

Adj. List







Space O(N) Time O(N+M)

Warm Up Problem

1. Given a graph, an *src* and a *dest* node, print all the nodes which are a part of at least one shortest path from *src* to *dest*. Print -1 if there is no path from *src* to *dest*.

$$1 \leq N, M \leq 10^5$$

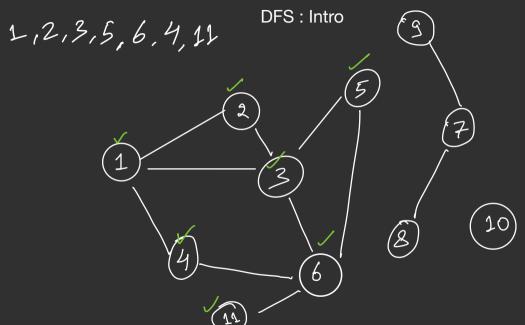
 $1 \leq src, dut \leq N$



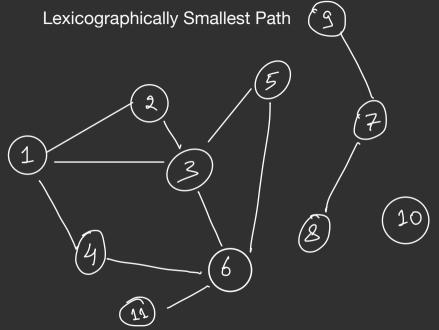
shutest Distance (src & dust) -> d

if
$$(d_1 + d_2 = = d)$$

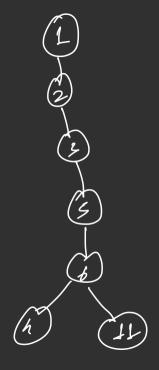
$$\Rightarrow print(x)$$



src = 1 dest = 6







Thank You!

Reminder: Going to the gym & observing the trainer work out can help you know the right technique, but you'll muscle up only if you lift some weights yourself.

So, PRACTICE, PRACTICE!

