Dijkstra's Algorithm Walkthrough

CS 580U

Fall 2022
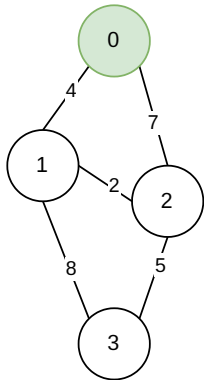
table			
	0	1	2	3

	0	4	7	MAX
0	0	4	7	MAX
1	4	0	2	8
2	7	2	0	5
3	MAX	8	5	0

visited			
false	false	false	false

distance			
0	MAX	MAX	MAX
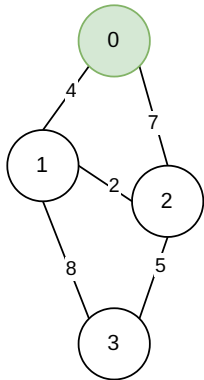
src	0
dst	3
cur	0
next	

table			
0	0	4	7	MAX
1	4	0	2	8
2	7	2	0	5
3	MAX	8	5	0

visited			
true	false	false	false

distance			
0	4	7	MAX

src	0
dst	3
cur	0
next	1

table			
0	0	4	6	MAX
1	4	0	2	8
2	6	2	0	5
3	MAX	8	5	0

visited			
true	true	false	false
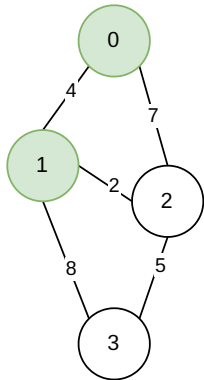
distance			
0	4	6	12

src	0
dst	3
cur	1
next	2

table			
0	0	4	6	MAX
1	4	0	2	8
2	6	2	0	5
3	MAX	8	5	0

visited			
true	true	true	false
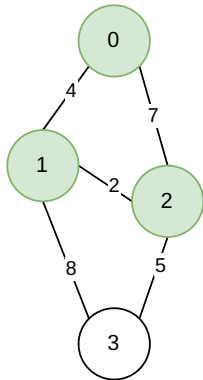
distance			
0	4	6	11
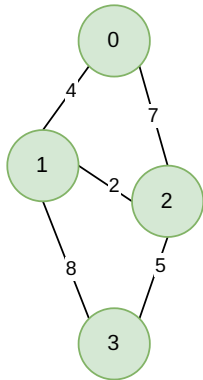
src	0
dst	3
cur	2
next	3

	table			
0	0	4	6	MAX
1	4	0	2	8
2	6	2	0	5
3	MAX	8	5	0

visited			
true	true	true	true

distance			
0	4	6	11

src	0
dst	3
cur	3
next	