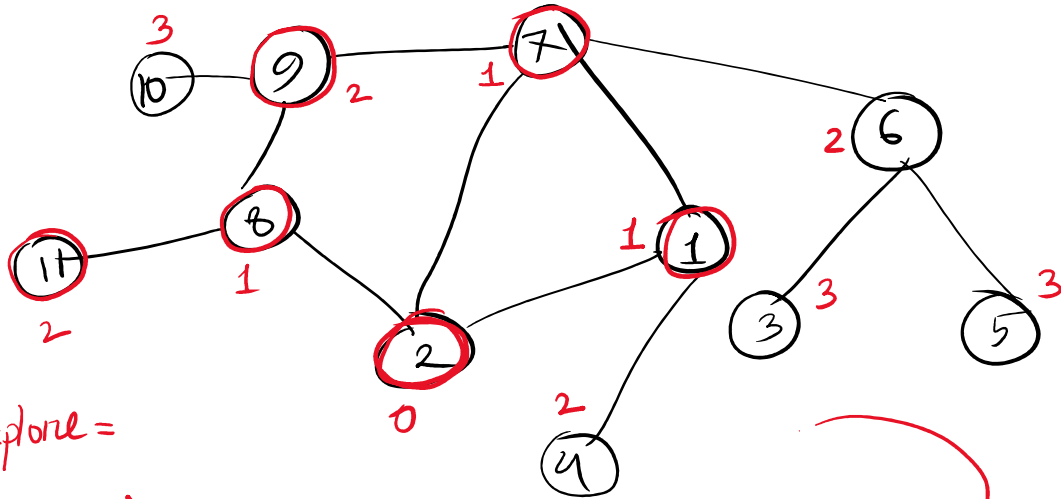


BFS → Breadth First Search

0-1 BFS

dist
0 → 2 ✓
1 → 8, 7, 1 ✓
2 → 9, 11, 6, 4 ✓
3 → 10, 3, 5 ✓

explore =



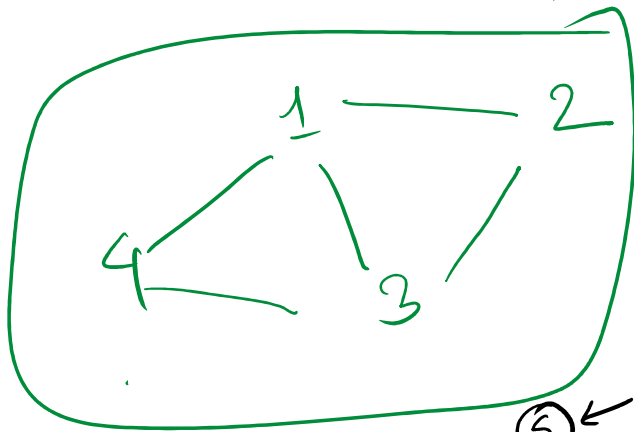
11, 9, 6, 4

N
20
M
5

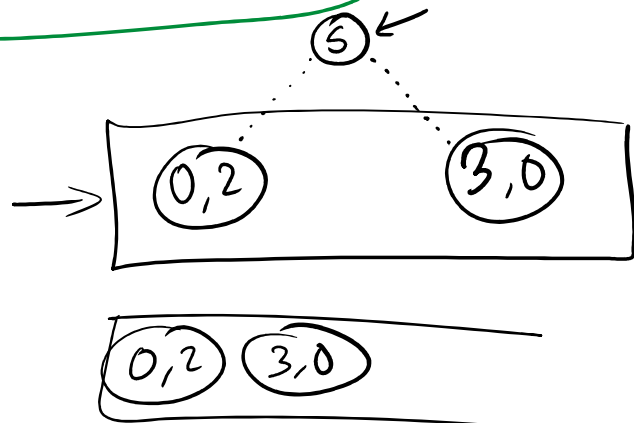
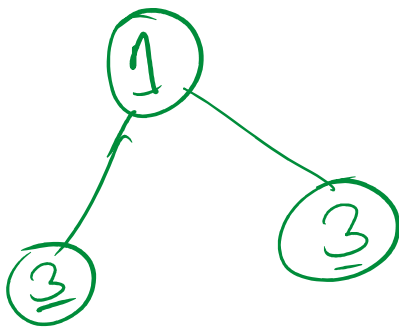
1	2
1	3
1	4
3	4
2	3

1	3
1	10
1	20
10	20
3	10

1 3 10 20
↓ ↓ ↓ ↓
1 2 3 4



3	X	6	1
2	2	1	X
1	X	2	X

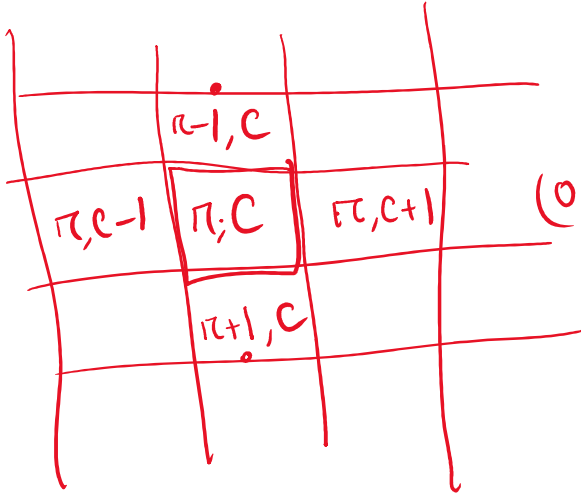


1	X	2	X
G	X	3	4

③

≡

(0,2) (3,0)



$(-1, 0)$

$(0, -1) \cdot (0, 1)$

$(1, 0)$

$r + (0)$

$c + (1)$

$-1, 0, 1, \boxed{0, -1}$

UP, R, D, L