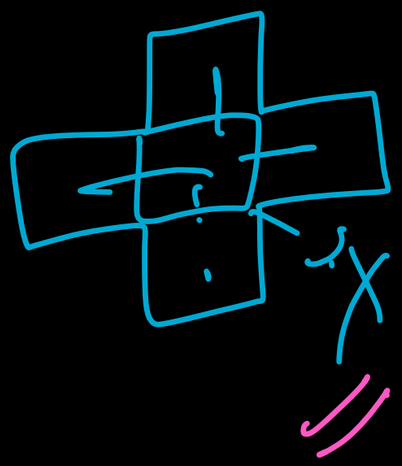
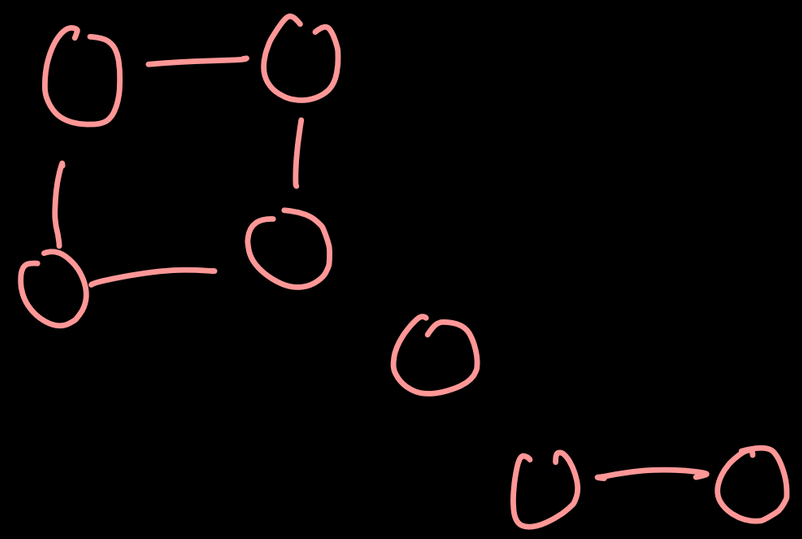


1 + 1 = 1

1 ✓	1 ✓	0	0	0
1 ✓	1 ✓	0	0	0
0	0	1 ✓	0	0
0	0	0	1 ✓	1 ✓

3 island

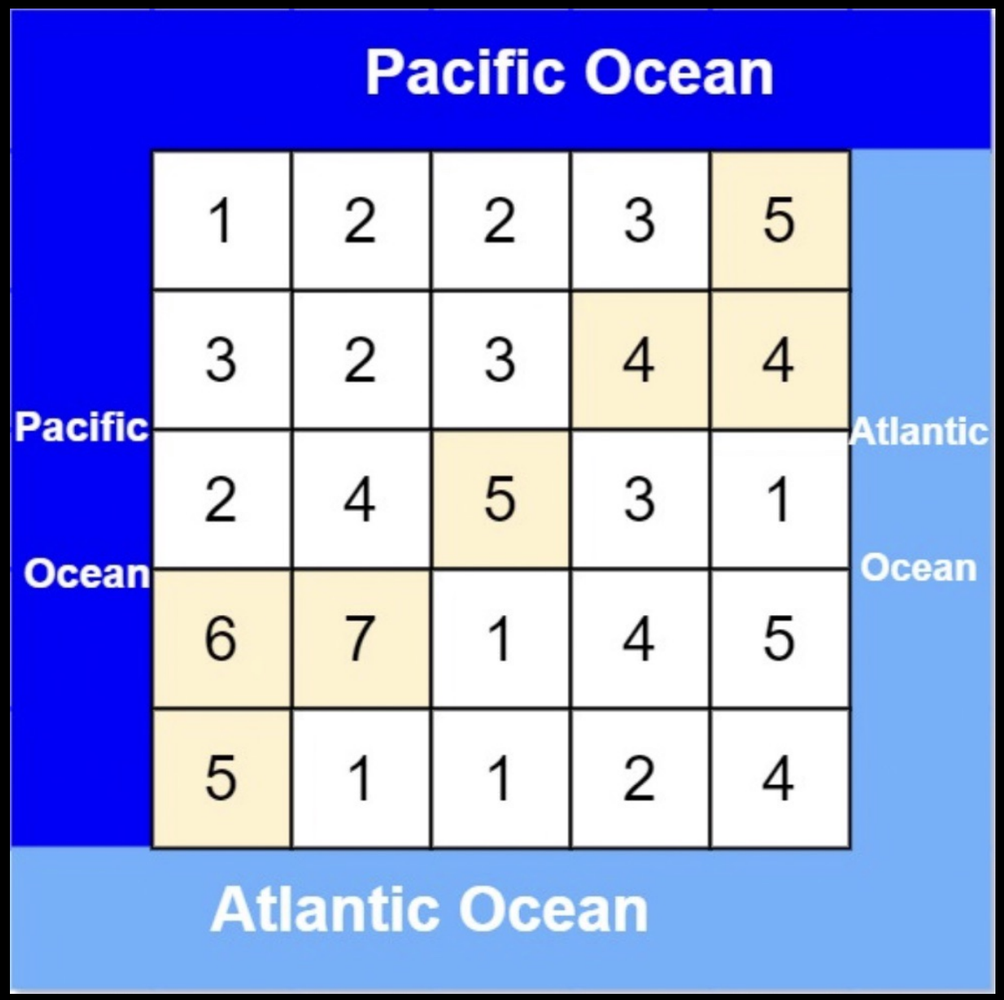
O (m.n)



BFS
DFS

go to every cell of the grid.
Skip the 0 cell. , only consider 1 valued cell

JOIN THE DARKSIDE



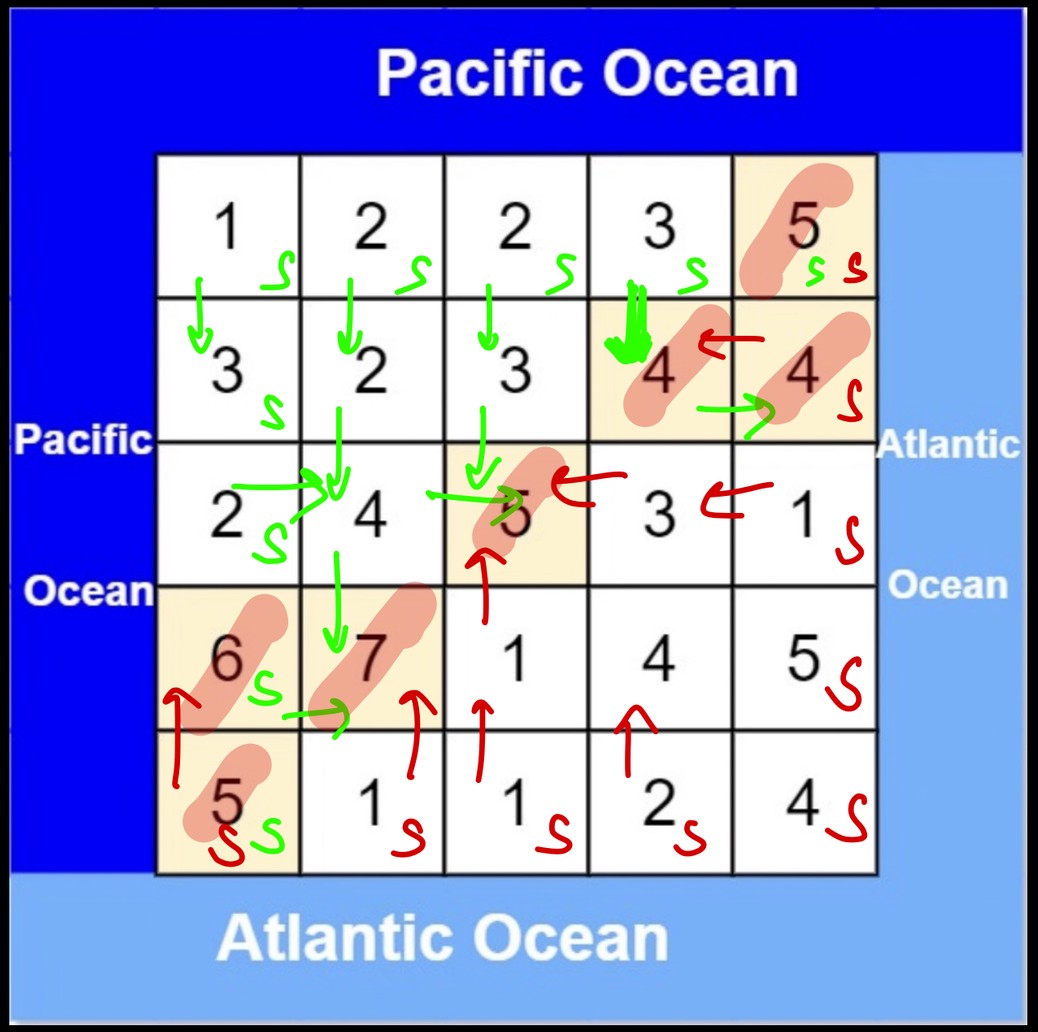
$400 \times 4 \times 20$

1600×20

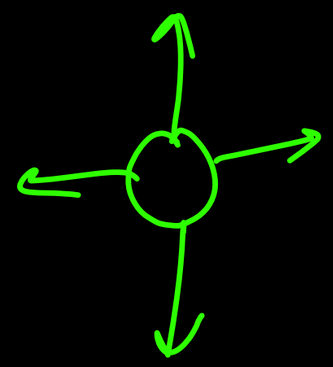
$32000 \approx 3 \times 10^4$

Matrix BFS - DFS , multi source BFS DFS

JOIN THE DARKSIDE



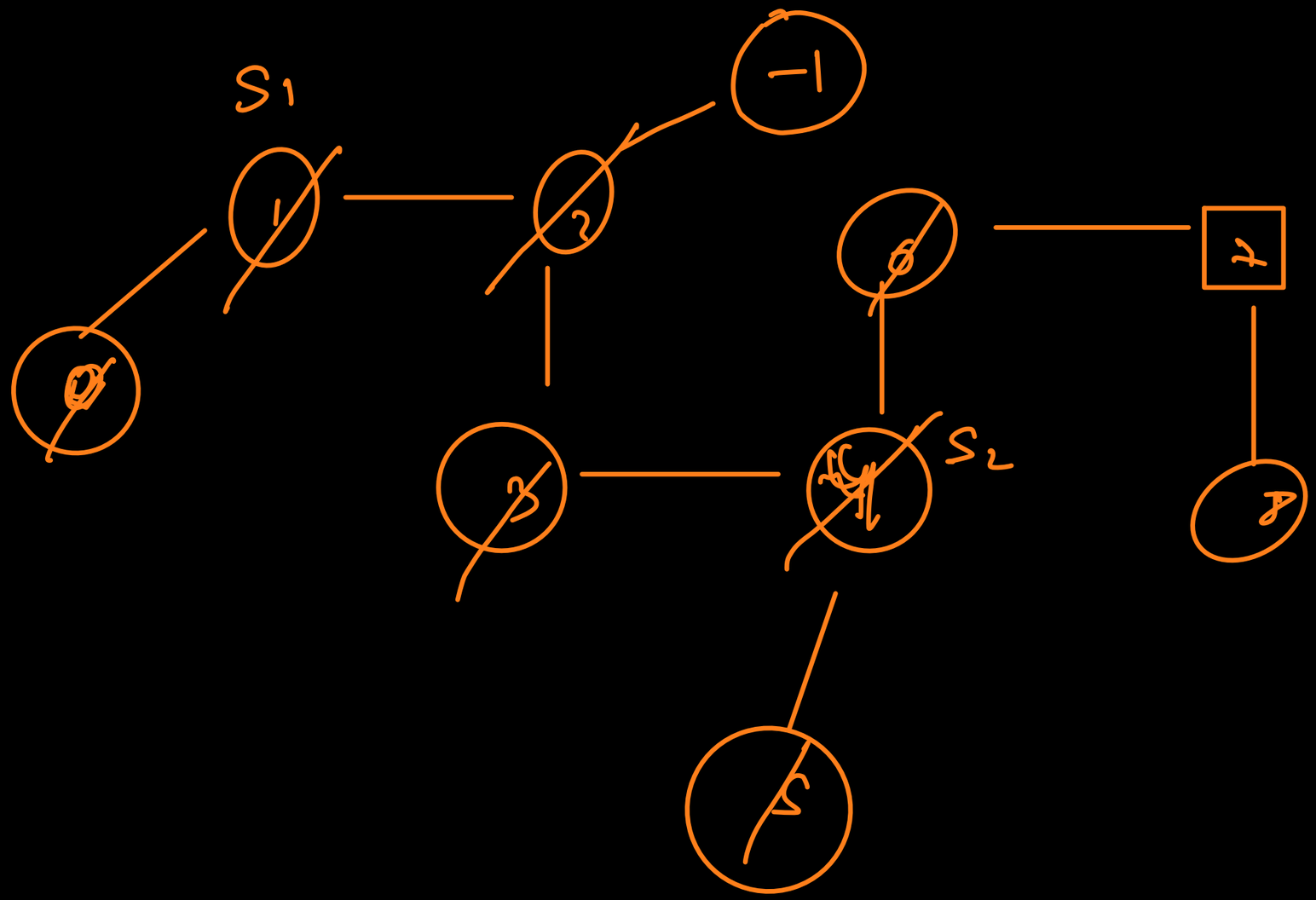
graph algorithms



$M N + M N$

$O(MN)$

JOIN THE DARKSIDE



		2	10	6	4	5

JOIN THE DARKSIDE

3S
- S - intro
- S - problem → understey
- S → thinking
- S → explain
- 15 → code

10
- S → problem 2
- S → new explain
- 10 → code
- → (S) → exit

45

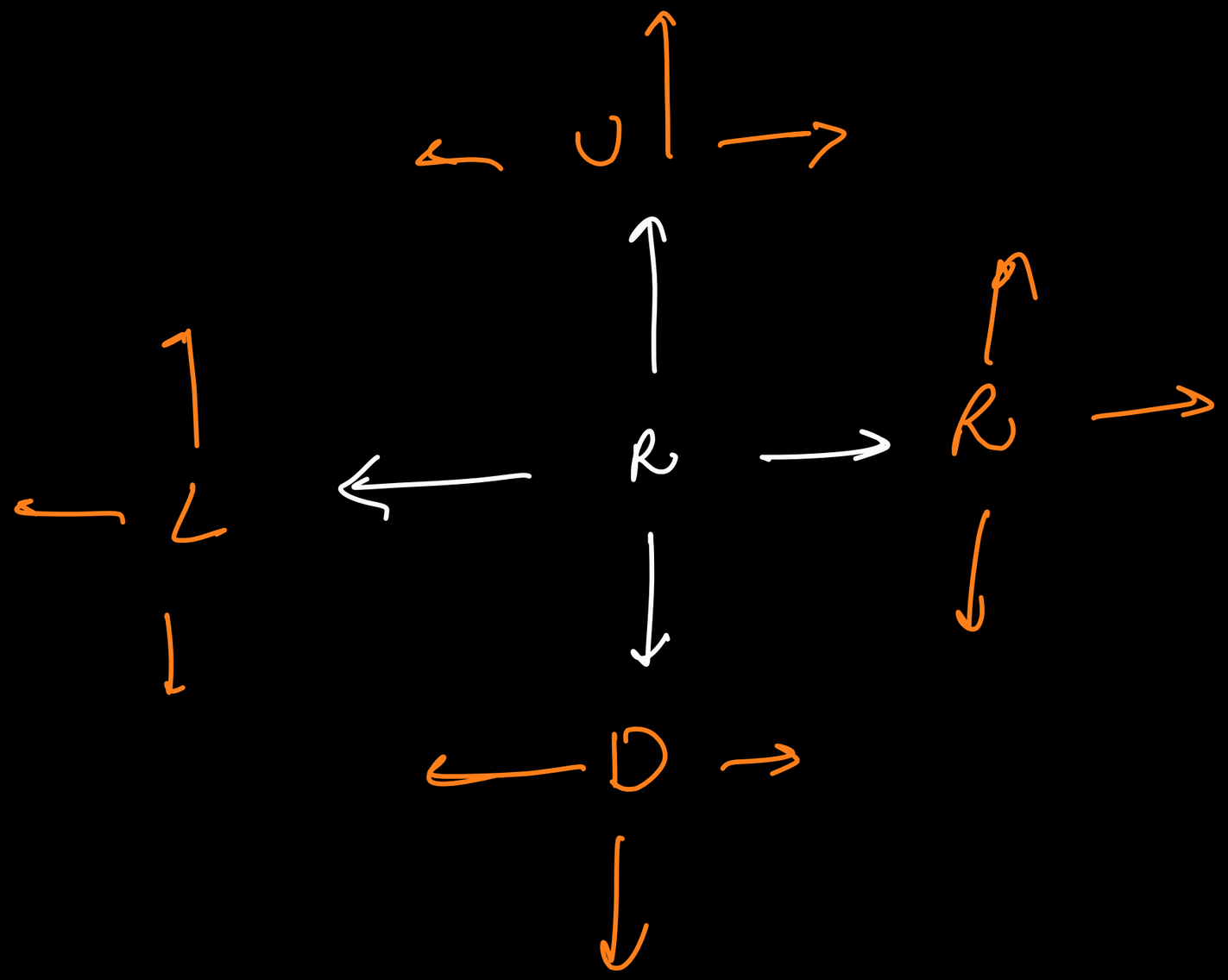
1 hr

JOIN THE DARKSIDE

1 min 1 min 1 min 1 min

R	R	R
0	0	0
0	2	F

JOIN THE DARKSIDE



BFS

JOIN THE DARKSIDE

min mute

1 min

	0	1	2	3
0	R	R	0	0
1	0	R	R	
2	0	R	R	0
3	0	0	0	0

multisource BFS

queue.push

mins = 0 1 2

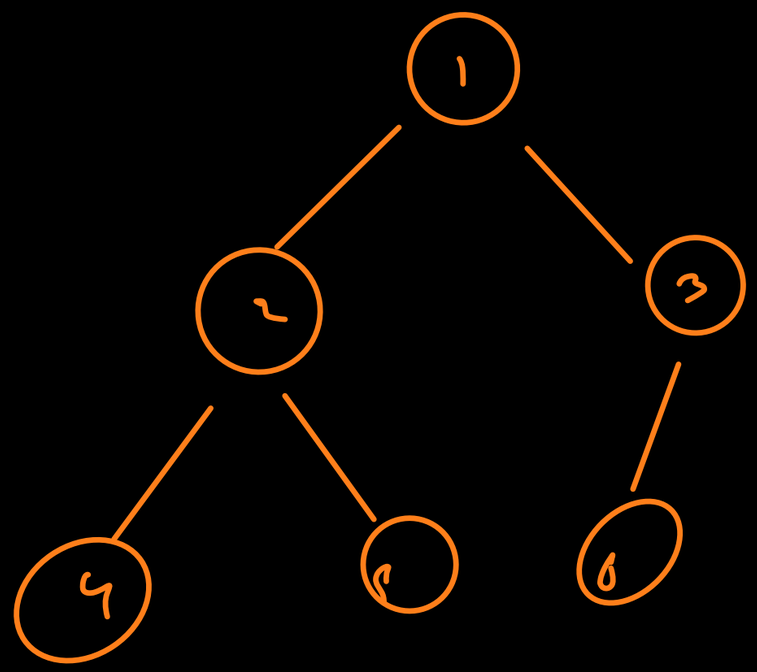
min-1

{-1, -1}

(0,0) (2,1) (2,2) (-1,-1) (0,1) (1,1)

(1,2) (-1,-1)

JOIN THE DARKSIDE



1 null

JOIN THE DARKSIDE

Rent → 30,000 → 15,000

Maintainence → 3400 → 1700

Maid → 3500 →

Cook → 5500 →

Electricity → 1450 →

Transpalchin → 9k - 4k

~~Water~~ →

gym →

Outside →

10,000

10k

Subscription → r-effect

→ amazon

→ clone

9k

cut down →

1

fixed expense

→ Rent
→ Maintainence
↳ cook
↳ maid
↳ services

investment

→ google stocks
→ stocks
→ M.F
→ liquid
→ FD

variable expense

→ gym
→ movie
→ trips
→ shopping
→ flights to home

one time expense

→ Moving to a new city
→ 1 time setup cost

JOIN THE DARKSIDE

→ electricity

(major) → utensils
→ bike/car (optional)
→ study table

✓ fixed

Rent + Main → 16-18 k
Cook → 2k
Maid → 1 k
groceries → 4k
electricity → 1 k

26 k

variable

→ gym → 1ok
→ trips → 10-20 k (Domestic)
→ 80-90k (Intn)
→ shopping → 10k
→ flights → 10k per trip

JOIN THE DARKSIDE

One Time

→ Setup cost → 15-20 K

→ study table → 10 K

JOIN THE DARKSIDE