Game of life

$0 \to 1 = 2(0)$
$1 \to 0 = 3(1) - 1$

$m \rightarrow$

$n \downarrow$

0	-1	0	0 0 0
2	0	1	1 0 1
-1	1	1	0 1 1
0 (3p)	2	0	0 1 0

→

- mat[i][j] = [[+1,0],[-1,0],[0,-1],[0,+1],[-1,+1],[-1,+1],[+1,-1],[+1,+1]]
- 1 — ne > 3 → 0
- 1 — ne < 2 → 0
- 0 — ne == 3 → 1

given

0	1	0
0	0	1
1	1	1
0	0	0

n ∧ m

Find the Missing numbers

[4, 3, 2, 7, 8, 2, 3, 1]
0 1 2 3 4 5 6 7

[5, 6]

T	T	T	T	F	F	T	T
0	1	2	3	4	5	6	7

num - 1 = index

TEMPORARY STATE CHANGE

- N(log N - sorting
- O(n), O(n)
- O(n), 1