Backtracking

1)

```
| 0 | 1 | 2 | 3 | 4 | 5 |
```

2Q

Place 2 Queens such that
no 2Q in the same box

```
| T | F | T | F | F |
```

1) Queen ka POV
  ↳ include / exclude

2) Box ka POV
  ↳ Konsi Queen ??

```
| F | F |
```

```
| 2 | 3 | 4 |
```

```
| q |   | 4 |   |   |
```
↳ 1, 2, 3

```
| F | T | F |
```


→ 0

-O-

→ ①

→ ②

2)
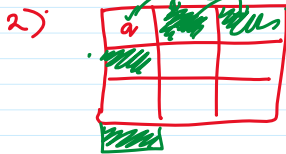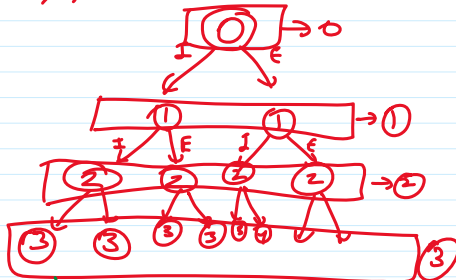
m×n   2 queens

combinations

↳ u, ⊆
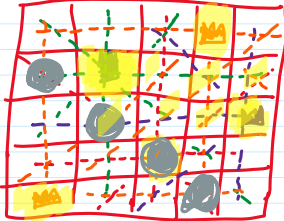
3)   n-Queens

n×n board
  ↳ n Queens
  ↳ Place these n-queens
     such that no 2 queens
     can kill each other

① {0,1}, {1,3}, {2,0}, {3,2}

② {0,2}, {1,0}, {2,3}, {3,1}

{3,3}{3,2}{2,2}{1,3}

Maze Path

DiR

U, R, L, D

0, 1 → blocked
  ↳ unblocked

VIS

DDDRR**UUU**R**D**RR**DD**

RRDRRDD

$\rightarrow$ Sudoku Solver
$\rightarrow$ Merge Sort / Quick Sort   } Sort
$\rightarrow$ Time Complexity of Recursion

Mooch

OOPS $\rightarrow$ Basics $\rightarrow$ Classes, objects, Exceptions} sun

D.S {
Stack, Queue   2-3   Online
LL   2-3   8-11
Tree, G.T, B.T, BST   4-5
HM,   2-3
Heap
OOPS $\Rightarrow$ Generic
Graph $\rightarrow$ 2-3
DP