







- certain implementation of Dijkstrai Shortest Pearl algorithm

- Fetch "surt best "2" nort worst"

- Stuffman cooling (lossless waing compression)

- BFS (PQ → grap next most promiting hade Naive Removing 0(n) - Minimum Spanning Tree advanced Remove (hash) Ollogn) Maire Contain 0 (n) Contain check (hash) 0(1) INSERTION

* ORDER & COMPARABLE *
- Recent clown left (< case)
- Recents clown light (> case)
- Finding duplicate (= case)
- Create new model (mull) Binary Tree - a tree that at most 2 children & BST - BST = binary tree that satisfy BST invariant > left < right! Complexity average worst 名はroot 7支 REMOVE 9nsert

0(n)

Ollian)

041)

Ollogn)

Binary Fleap construction

Porling

Peeking

Adding

Priority Quene

WHEN & WHIERE ?

Prosect Ollogn) O(n)

RETTOVE

Describe Ollogn) O(n)

Remove Ollogn) O(n)

Search Ollogn) O(n)

- replace -> 4 cases 2. left sub

3. right su

2. left sub
3. right sub
4. Both choose successor either smeller in right dubrice or largest in left

Traversal

- Preorder legate
recent int cours
- Involct former
trustaire couls
- Portorder after
trustive couls

ADDING ELEMENTS (BINARY HEAP)

- Heap * gives best possible time complexity

Legtchild: 21+1 Rightchild: 21+2

