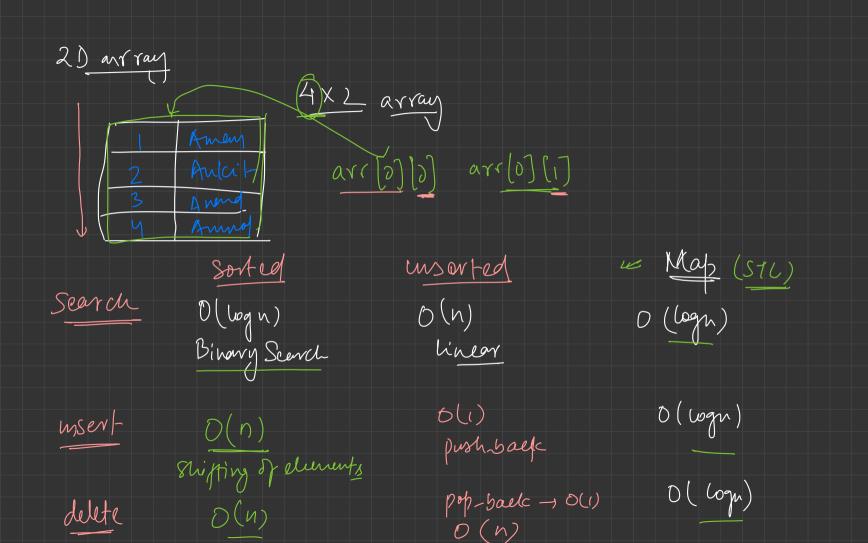
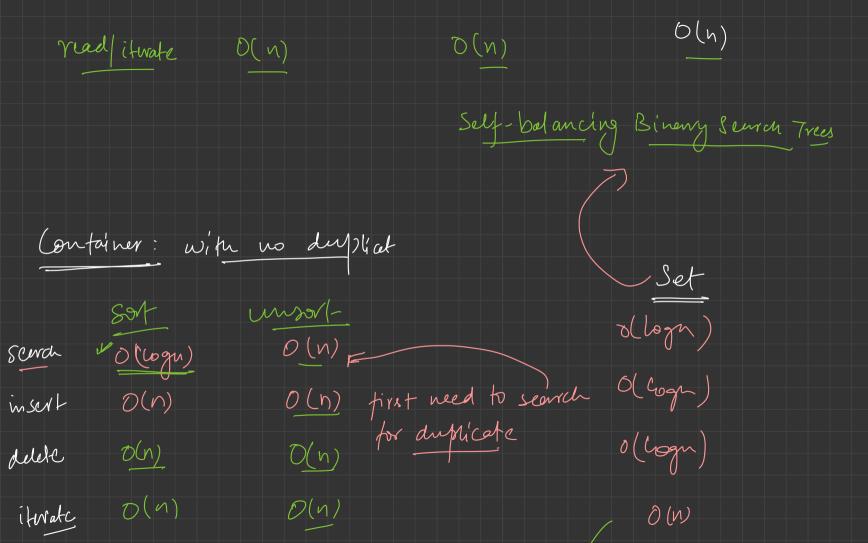
algorithmy. Styl () Tlower bound sorted arrays or vectors bihary search J containers array unordered mulfi

string Mah int > Amay + Anand - Ankit Annol ky - value Phone book [Name --- Phone number.

[Raadhar nune - Dunrgrognic détails





I twofors are painters used to unique point at the numbery of elements

So STL containers essile lul-Éterators: to iterate over a container

begin() for((it = m. begin(); if != m.end(): it ++) (Jund () Jalid for any container In Vector cint? Vector (int):; if evalor CPP Java Ordered_nep Ordered_sel-Tree Map Tree Set

Java 917 hash Map unordered_nup Nash Sefunordered_set leup are unique ma) (ordered) insertion ?

deletion ? [O(1)]

Seowch O(logn)

hasting 6 (lo zn) Ankil-

Marh algorithm Very Listributive Mash chaining 64/128 MDK5 break $O(1) \longrightarrow O(nr)$ 2256 [256-bih) word > M(word) > (hash result)) SMA-256 256 computation, o(1) & Annal = getfilstChar(Annol) = A linear: avray, linked 43+, stade quene

What is the fastest searching algorithm?? any linear data structure: O(n) Sorted · O(logn) any strukture : (O(i)) = with O(n) pre-comput: $\frac{1}{2} \frac{1}{2} \frac{1$ Muth map Muth seltree

- migneness X - can have duplicates - sorted