



Maps and Tries Class - 1

Special class

⇒ HashMaps:- → STL

→ D.S → $\langle K, V \rangle$

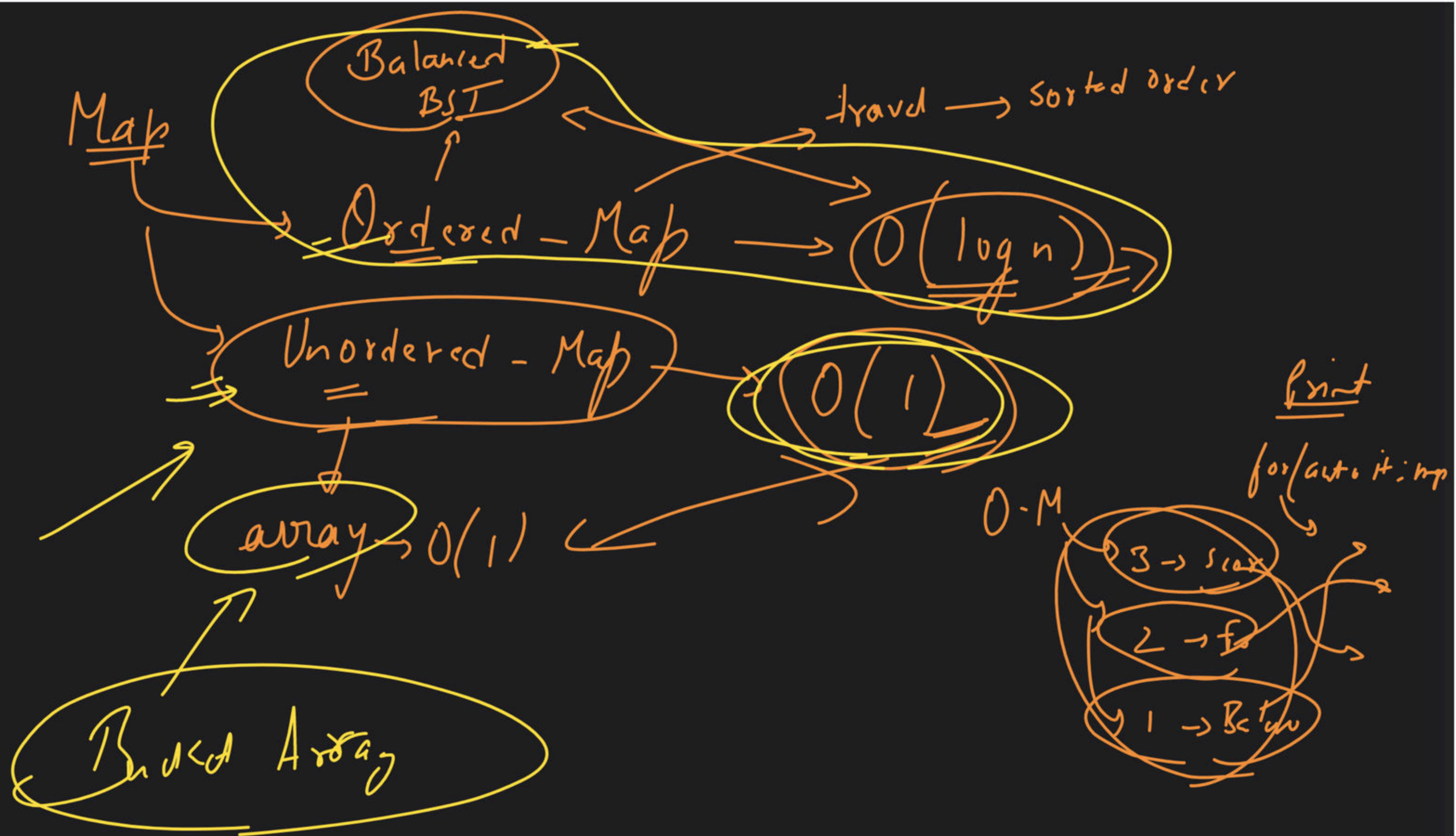
String ↓ Key	→	double ↓ Value
Scorpio	→	7.3
Fortuner	→	11.2
Maruti	→	23.4
Creta	→	18.3

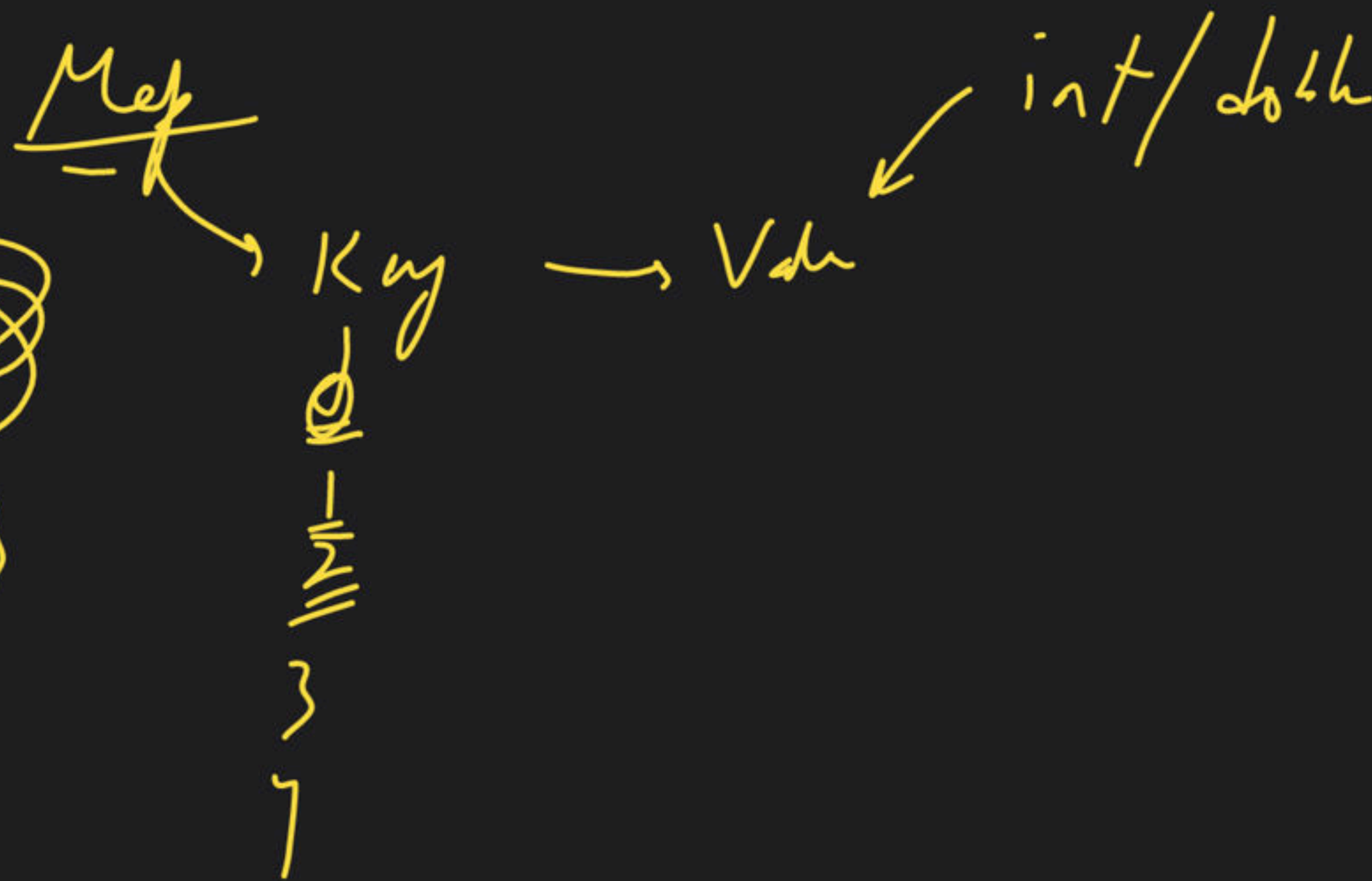
Map →

$\langle \text{String, double} \rangle$

Map → pair
→ $\langle K, V \rangle$

⇒ ~~$\langle 3 \rightarrow 1 \rangle$~~
 ~~$\langle 1 \rightarrow 3 \rangle$~~
 ~~$\langle 3 \rightarrow 3 \rangle$~~
 $3 \rightarrow 3$

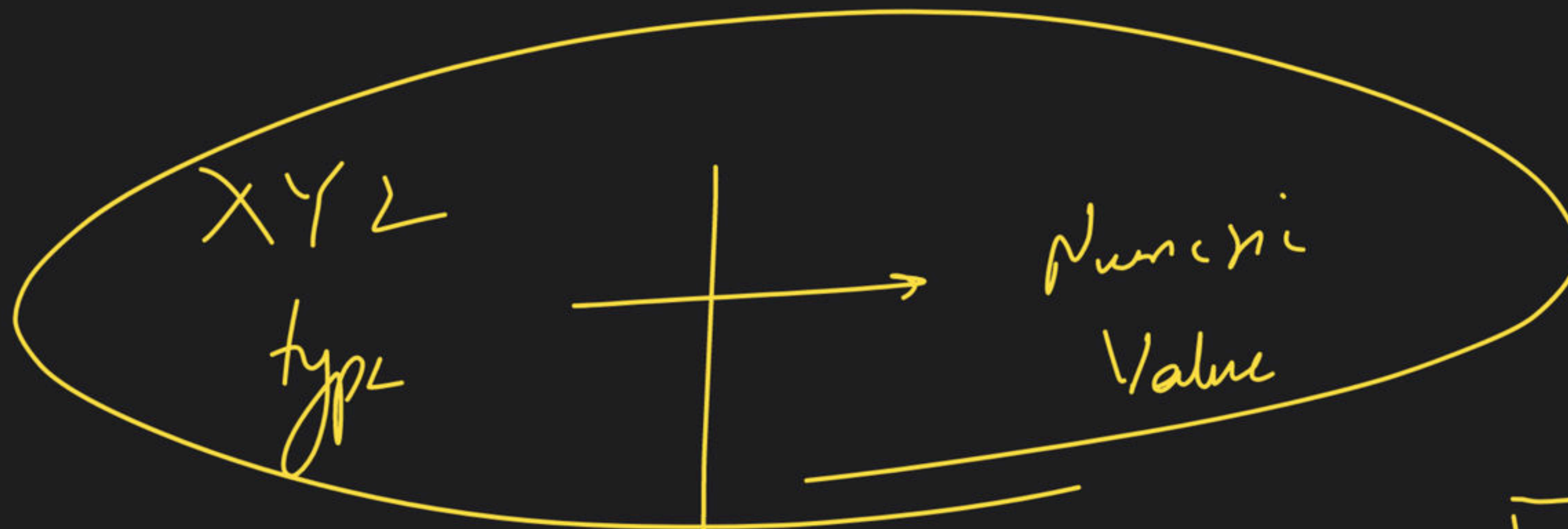




@bc^d → Scorpi.
(97 + 98 + 99)

= 294 → Scorpio

(ba) → 99 + 98 + 97
= 294
→ Collision



love -> "Salaa"

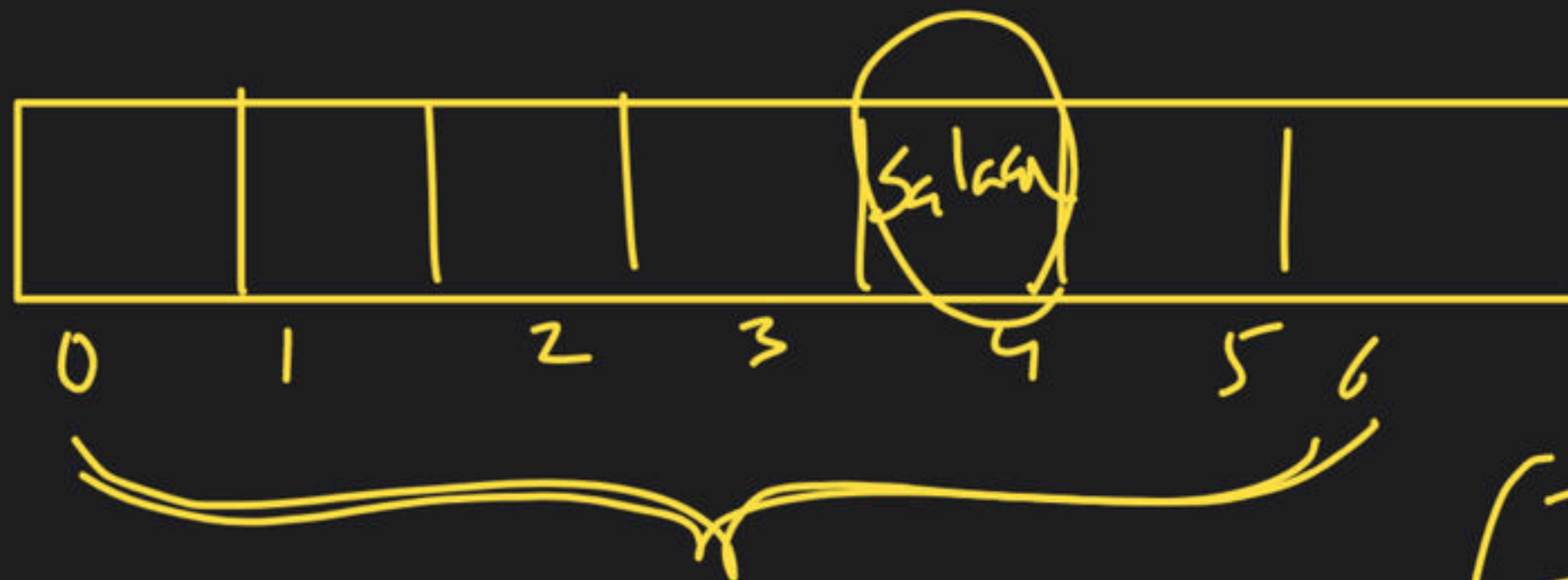
Hash Function



Hash function

→ Hash code

→ Compression function



love

in

H.C

217

C.F

4

love

Salam













































