

Permutation

abc →

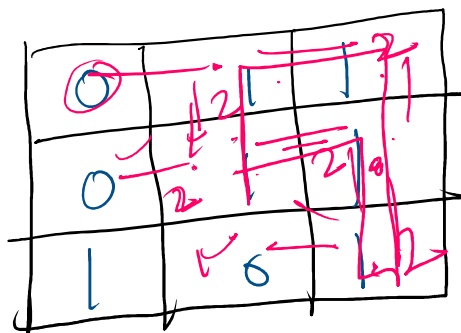
abc
acb
bac
bca
cab
cba

$n!$

Set → data structures

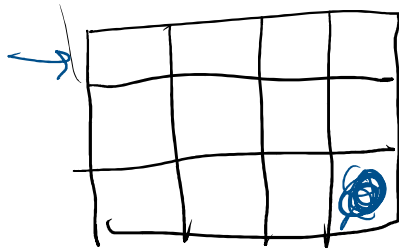
↓
unique values

HashSet (Random order)
Tree Set (Sorted order)
Linked HashSet
(maintains the order of insertion)



keep on doing
it

#

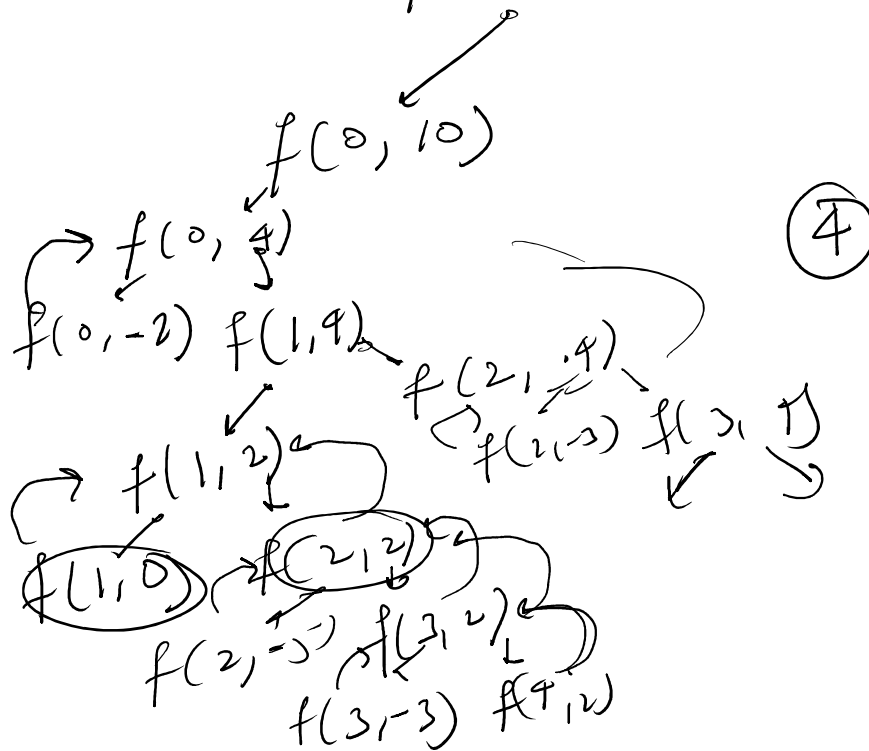


comb
 $[6, 0, 2, 2]$
 $[6, 6, 2, 2]$

6, 2, 7, 5

4

$f(0, 14)$



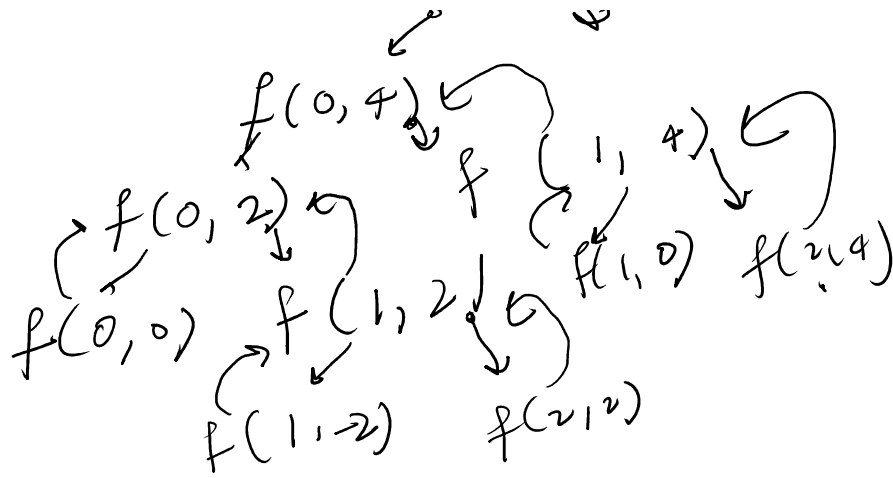
④

$[6, 6, 2, 2]$
 $[4, 4, \dots]$

2 4

$f(0, 6)$
 $p(0, 4)$

$[2, 2, 2, 2]$



→ going to the origin point and undo the work done ==

