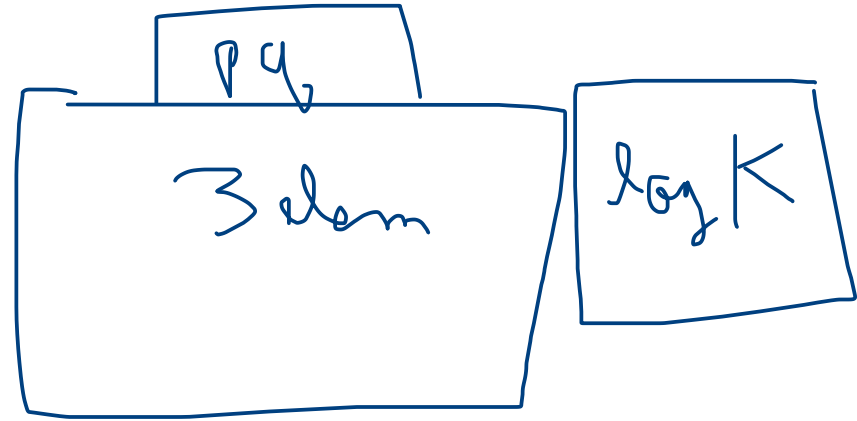


Sort K-sorted Array

arr

3	2	4	1	6	5	7	9	8
1	2	3	4	5	6	7	8	9



$K = 3$

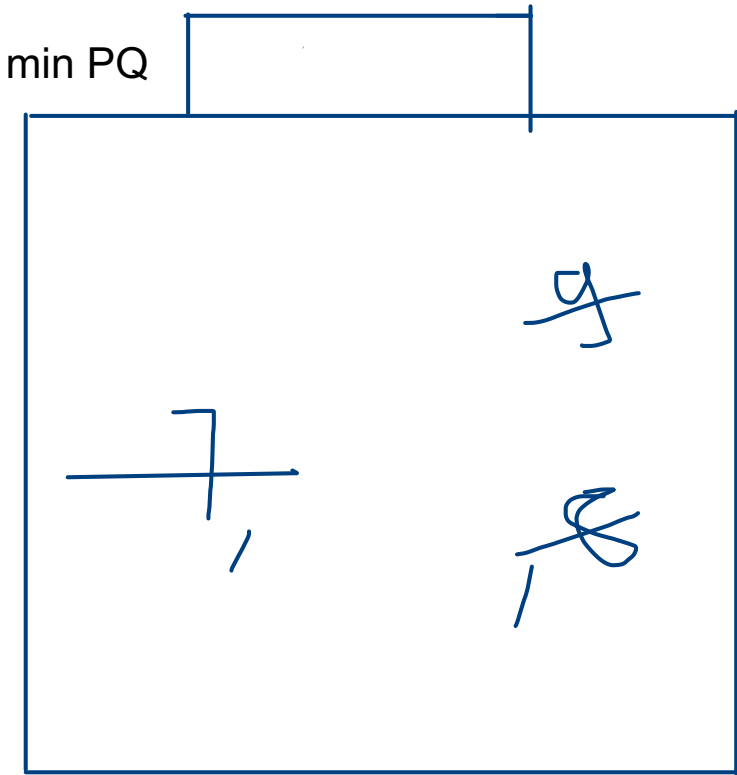
$n \log k \longrightarrow$ PriorityQueue ✓

$n \log n \longrightarrow$ simple sorting

$$\underline{\underline{K=3}}$$

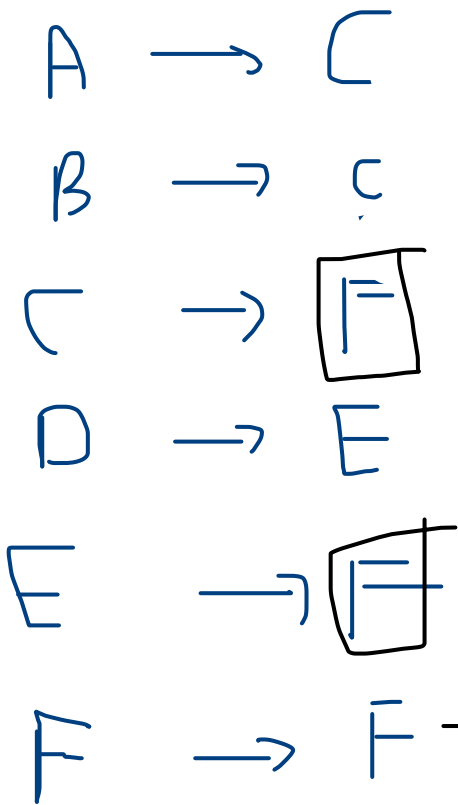
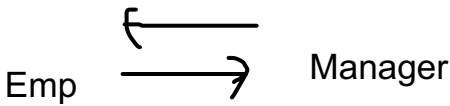
rdn
↓

arr = ~~3~~ ~~2~~ 4 1 ~~6~~ 5 7 ~~9~~ ~~8~~
1 2 3 4 5 6 7 8 9 ans



Number Of Employees Under Every Manager

HashMap --> ~~char~~ vs char



ans

A \rightarrow 0

B \rightarrow 0

C \rightarrow 2

D \rightarrow 0

E \rightarrow 1

F \rightarrow 5

Manger

set of direct
reports emp

map <char vs HashSet<char>>

~~A → { }~~

~~B → { }~~

C → { A, B }

~~D → { }~~

E → { D }

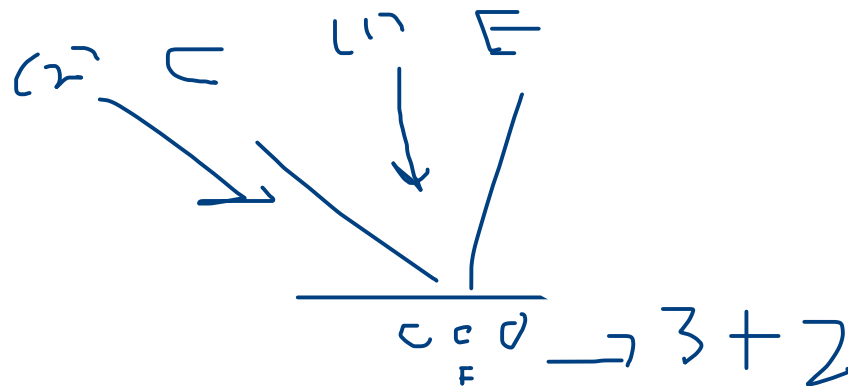
CEO → { C, E }

map

$$C \rightarrow \{A, B\}$$

$$E \rightarrow \{D\}$$

$$C \cup E \rightarrow \{C, E\}$$



$$A \rightarrow 0$$

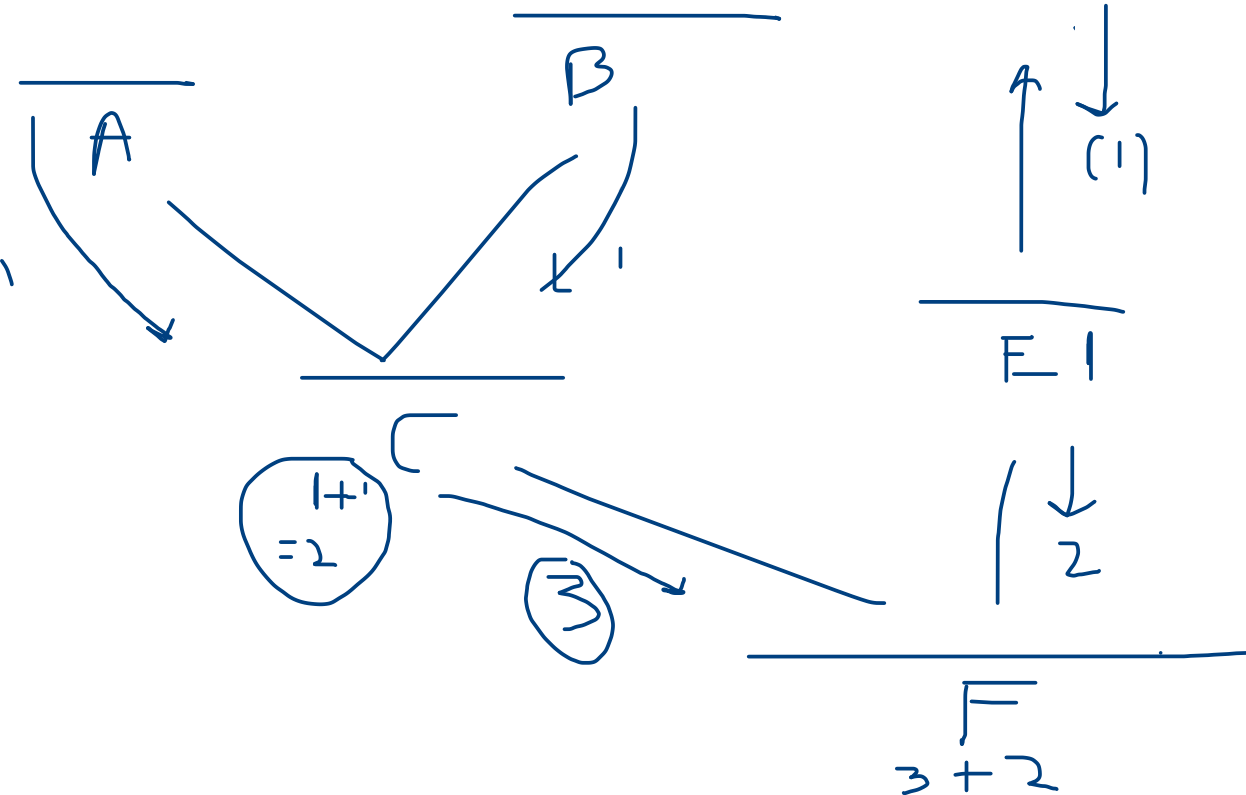
$$B \rightarrow 0$$

$$C \rightarrow 2$$

$$D \rightarrow 0$$

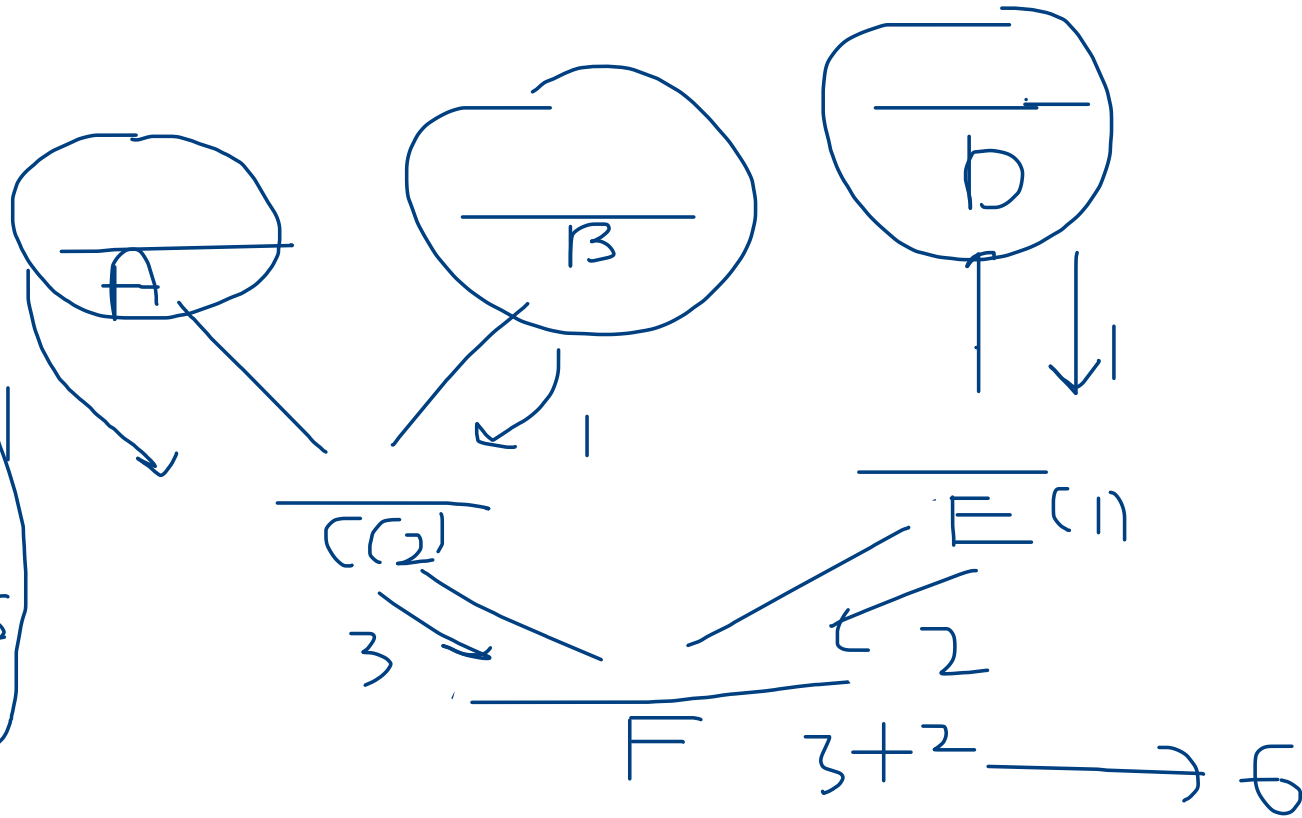
$$E \rightarrow 1$$

$$F \rightarrow 5$$



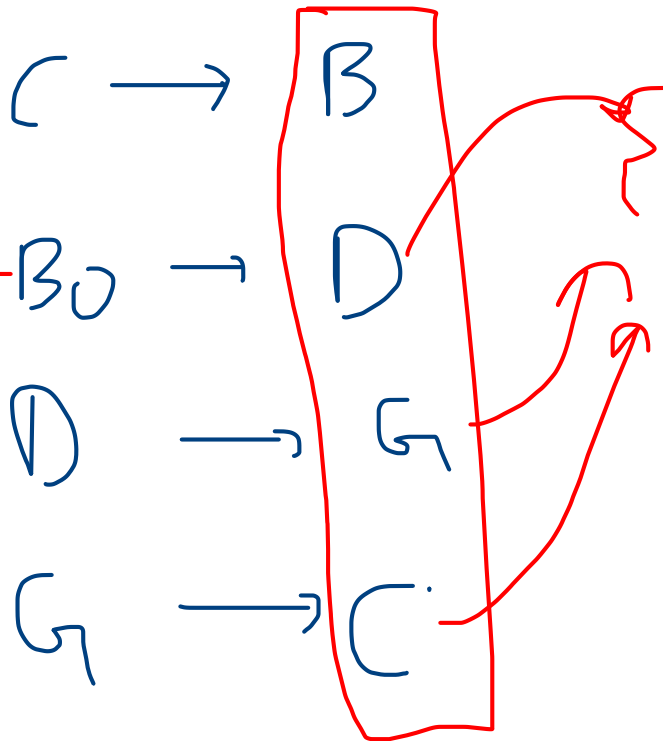
$\zeta \rightarrow A, B$
 $E \rightarrow D$
 $F \rightarrow C, E$

$A \rightarrow 0$
 $B \rightarrow 0$
 $C \rightarrow 2$
 $D \rightarrow 0$ $F \rightarrow 5$
 $E \rightarrow 1$



Find Itinerary From Tickets

map



src ←

