F H

	Actual	Amortized
Insert	O(1)	O(1)
Remove min (or max)	O(n)	O(log n)
Meld	O(1)	O(1)
Remove	O(n)	O(log n)
Decrease key (or increase)	O(n)	O(1)

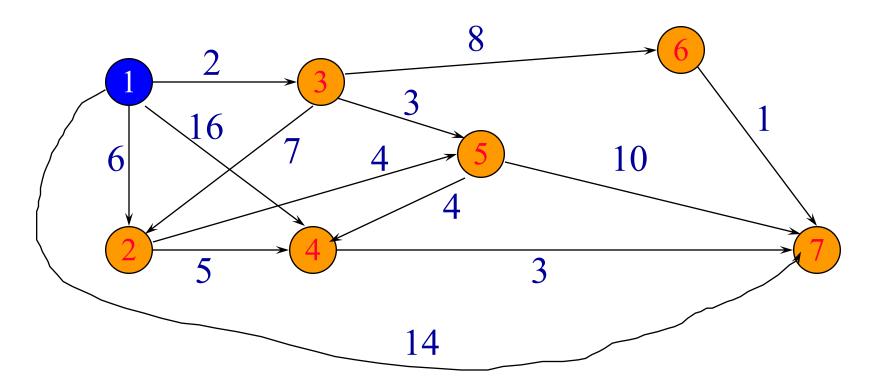
A

F A .

• <u>. . / / 5536;</u> I L ;

• COP5536 FHA.

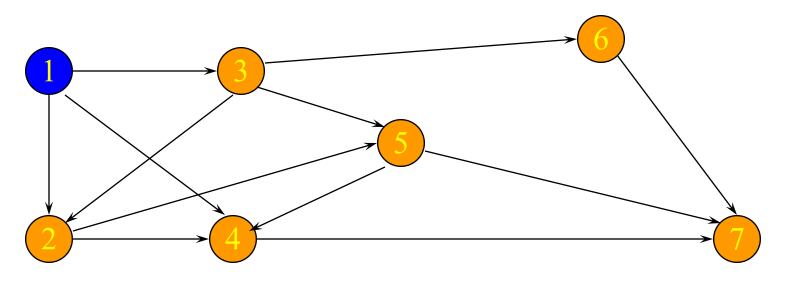
A D
P



G A D

K D .

G A D



\mathbf{O}

■ D O()

D ().

■ D O() ,

Α .

■ O(²)

M .

• O(+)

F .

■ O(+)

```
A .
O(2)

M .
O( + )

F .
O( + )
```

M F H

C .

В.

N

D, C, D

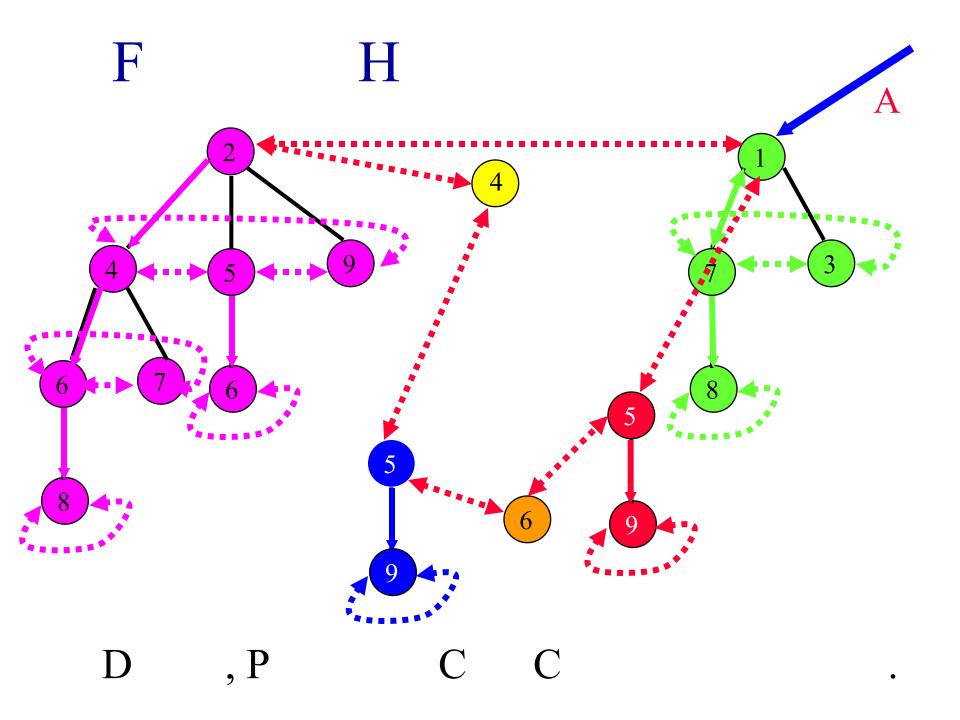
L

•

P P

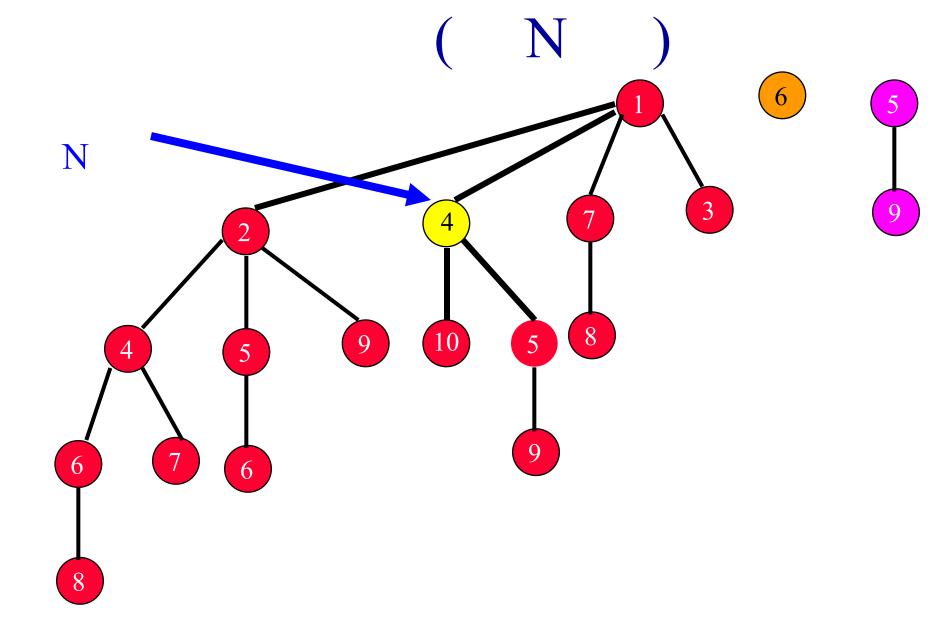
 \mathbf{C}

•

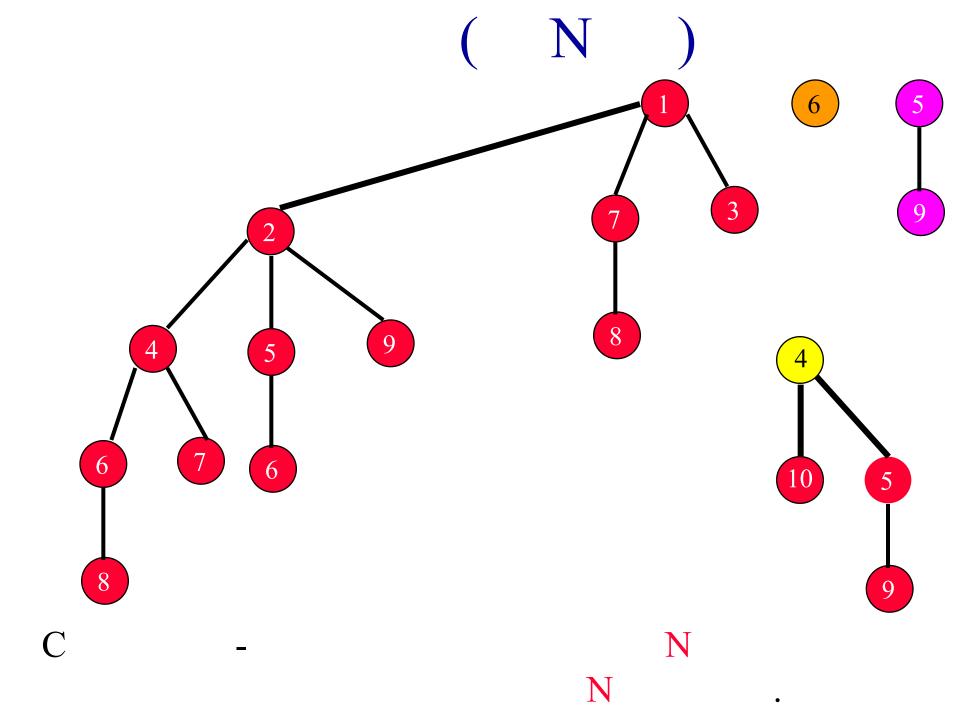


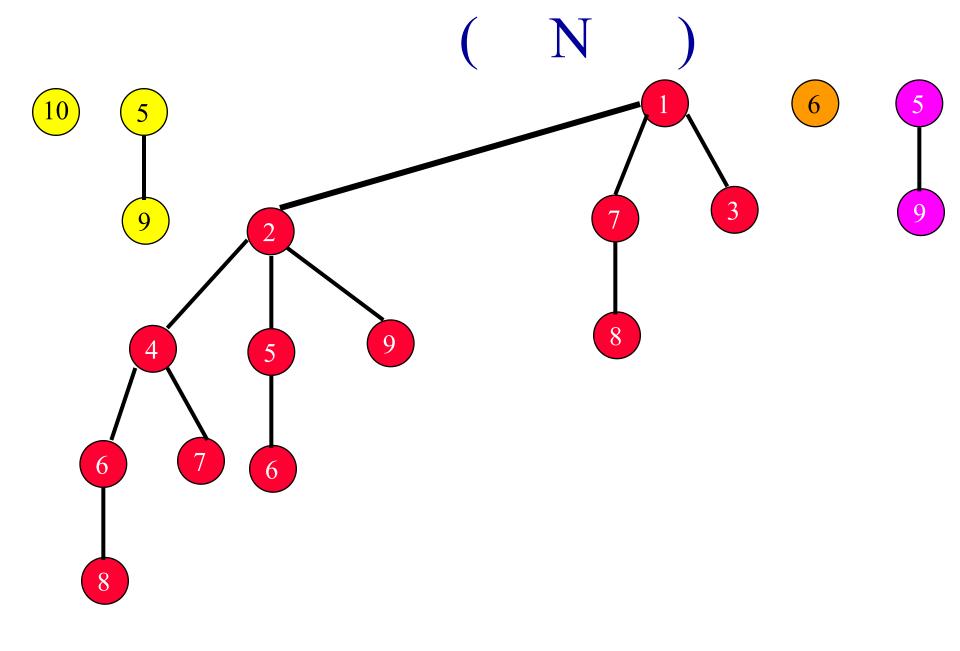
(N) N F N ■ I

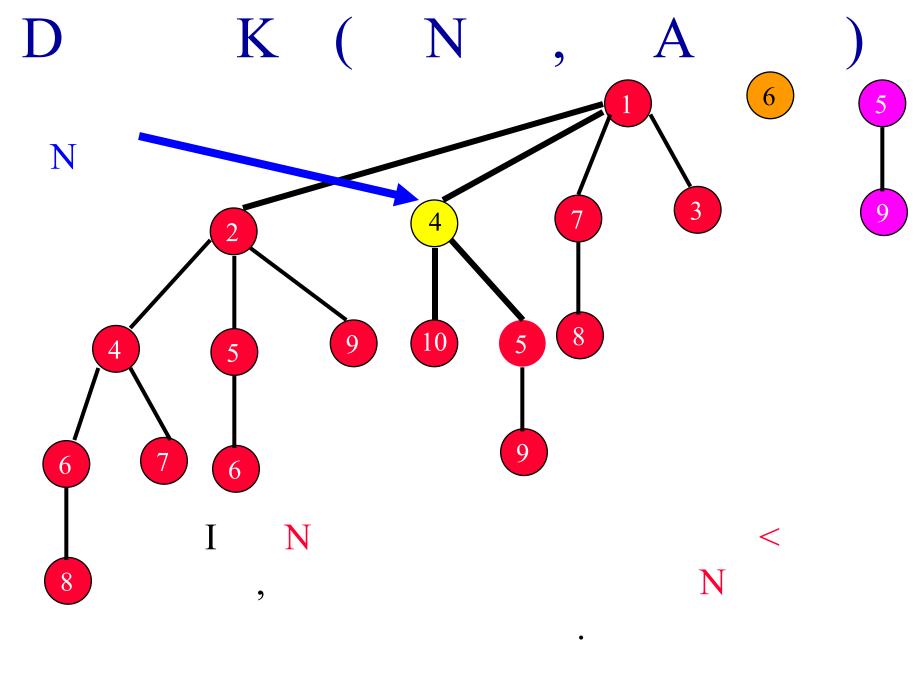
```
(N)
N
      N
C
          N
C
                    N
• F
    N
                O( )(
    ,
O( )
```



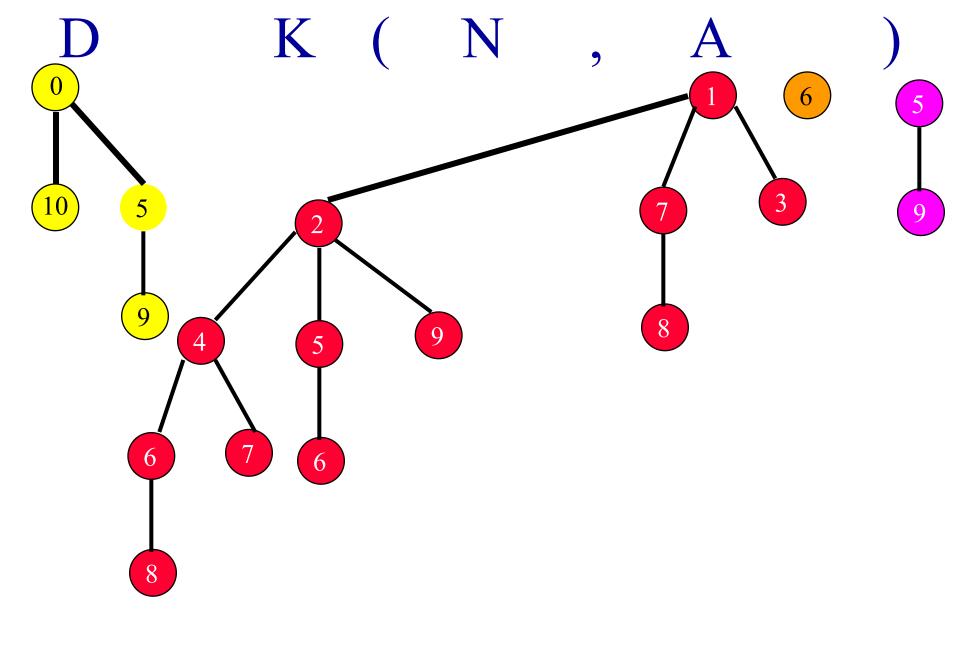
N

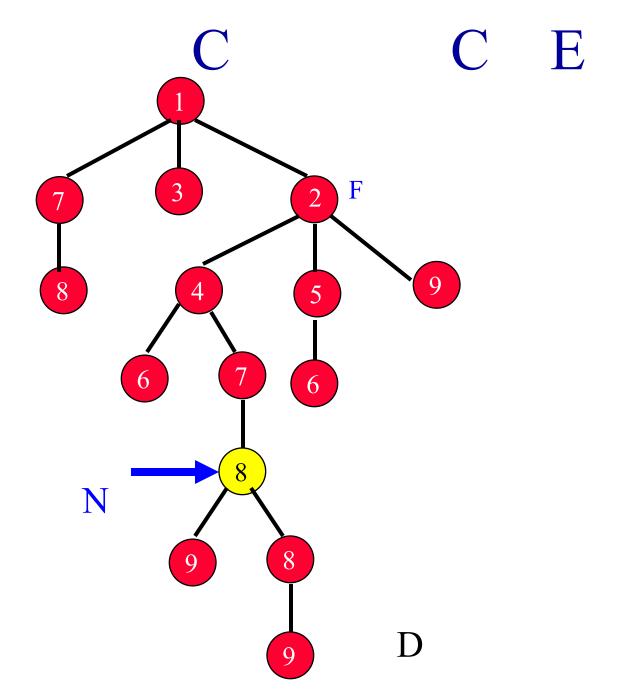




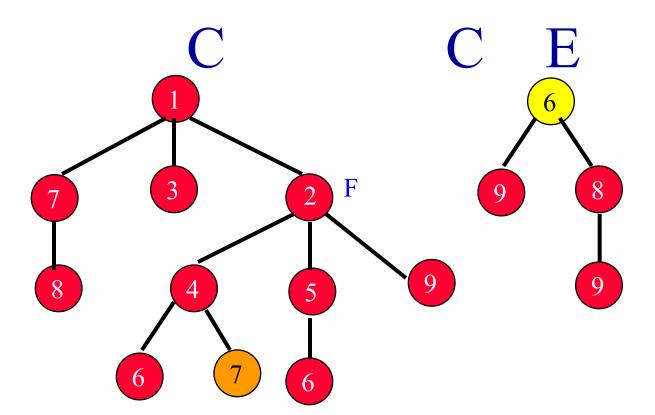


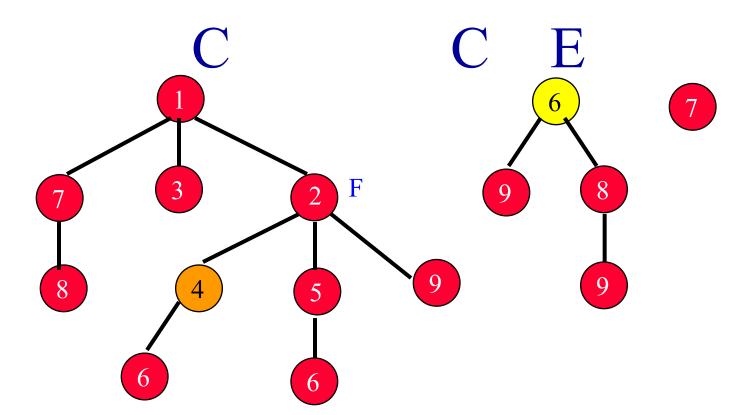
I -

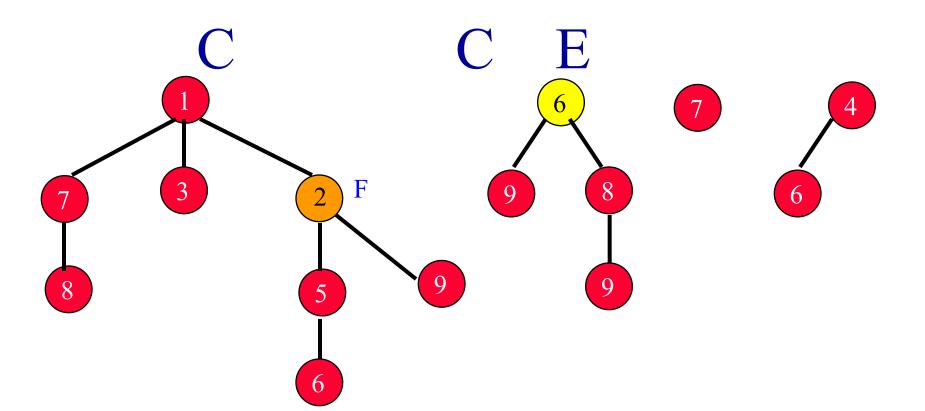


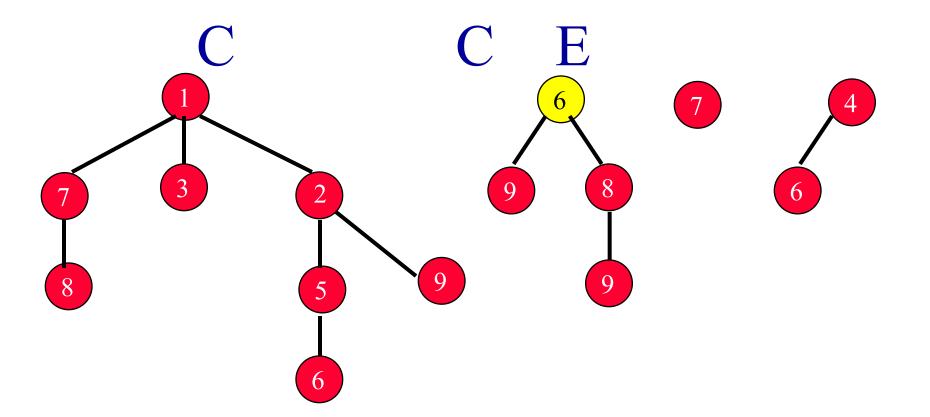


2.









$$O() = O()$$
.