

		Resolución Lineal	Resolución cuadrática
0			
1	11	1	$1^2 = 1$
2		2	$2^2 = 4$
3		3	$3^2 = 9$
4	24	4	$4^2 = 16$
5	54		
6	X		
7	37		
8	14		
9			

— X ——————>

u

0	0
1	1
2	
3	

$$\begin{aligned}
 1^2 &= 1 \Rightarrow (0+1) \times 4 = 1 \\
 2^2 &= 4 \Rightarrow (0+4) \times 4 = 0 \\
 3^2 &= 9 \Rightarrow (0+9) \times 4 = 1 \\
 4^2 &= 16 \Rightarrow (0+16) \times 4 = 0
 \end{aligned}$$

1  
0  
1  
0  
⋮

$$ABC \rightarrow 65 + 66 + 67 = 198$$

$$CBA \rightarrow 67 + 66 + 65 = 198$$

$$BBA \rightarrow 66 + 66 + 66 = 198$$

$$AAB \rightarrow 65 + 65 + 68 = 198$$

$$ABC \rightarrow 65^{\circ}37' + 66^{\circ}37' + 67^{\circ}37' = ?$$

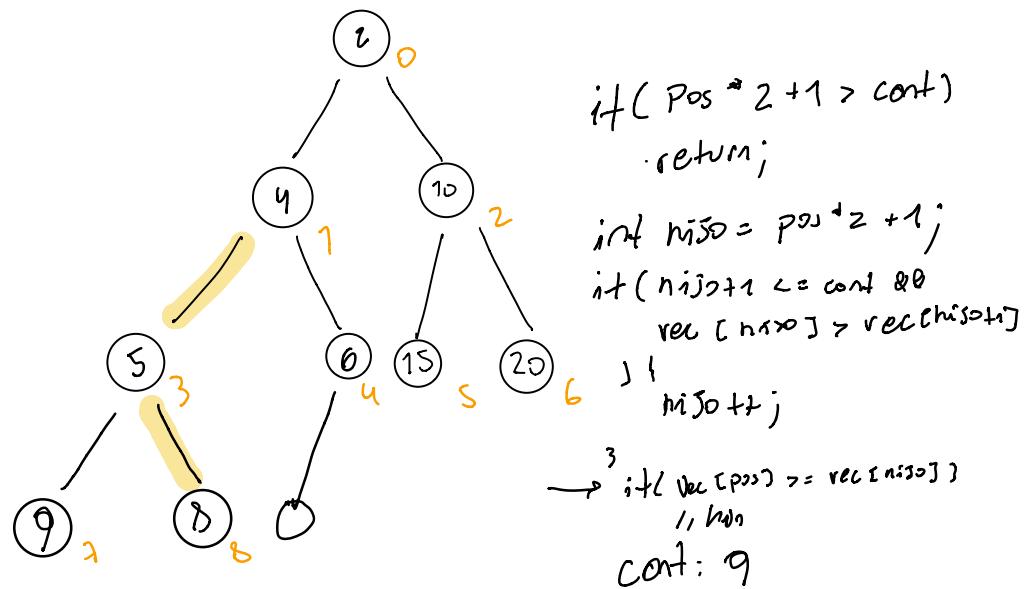
$$CBA \rightarrow 67^{\circ}37' + 66^{\circ}37' + 65^{\circ}37' = ?$$

$$BBA \rightarrow 66^{\circ}37' + 66^{\circ}37' + 66^{\circ}37' = ?$$

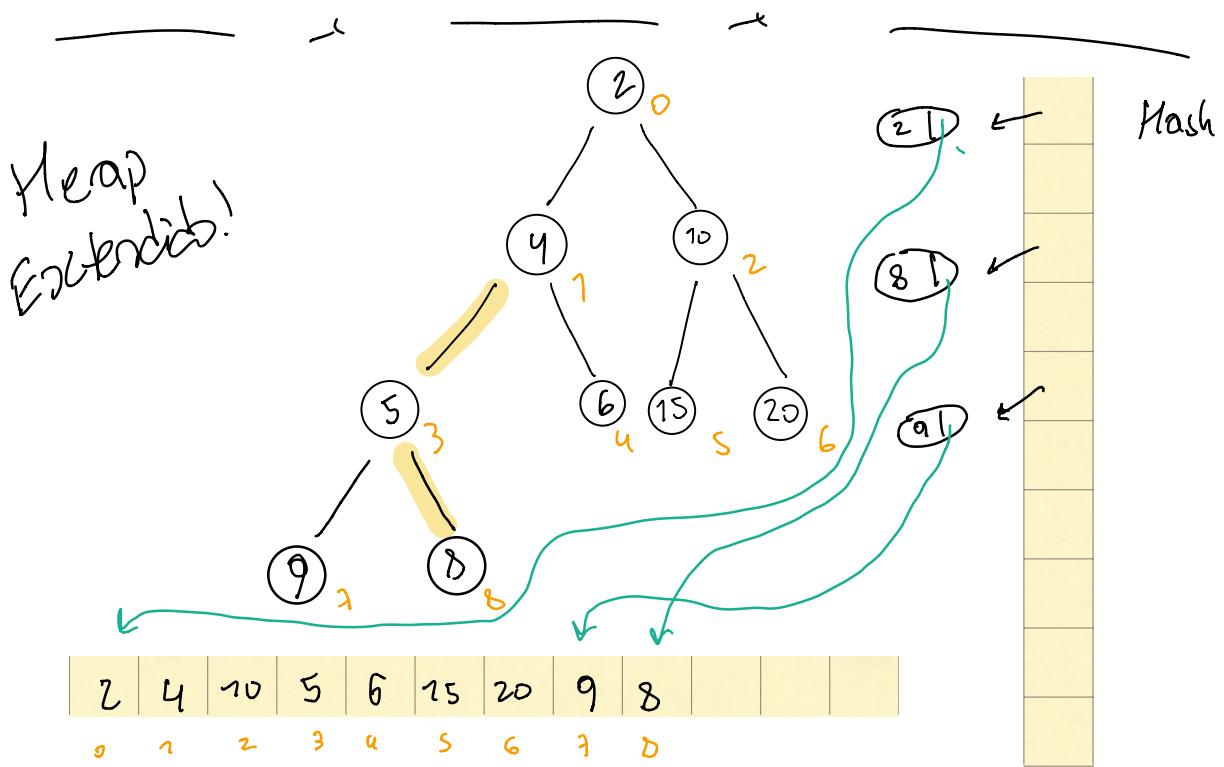
$$AAB \rightarrow 65^{\circ}37' + 65^{\circ}37' + 68^{\circ}37' = ?$$

65 2442 99723

# Heap!

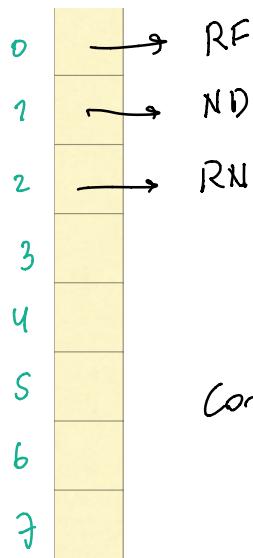


2	4	10	5	6	15	20	9	8		
9	1	2	3	4	5	6	7	8		



# Multiestructuras!

1) Arrays!



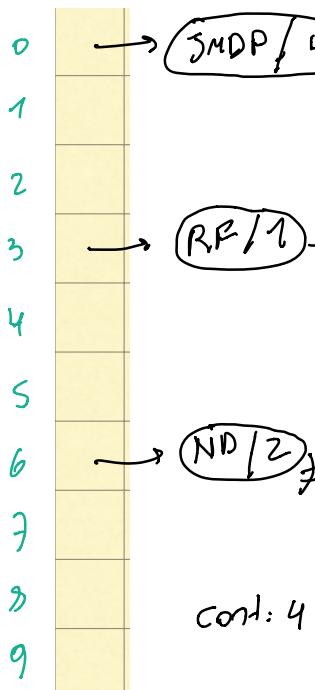
Cont: 3

Órdenes

Agregar  
Posición  
Combinar

CP	PC
1	1
N	N
1	1

2) Hash



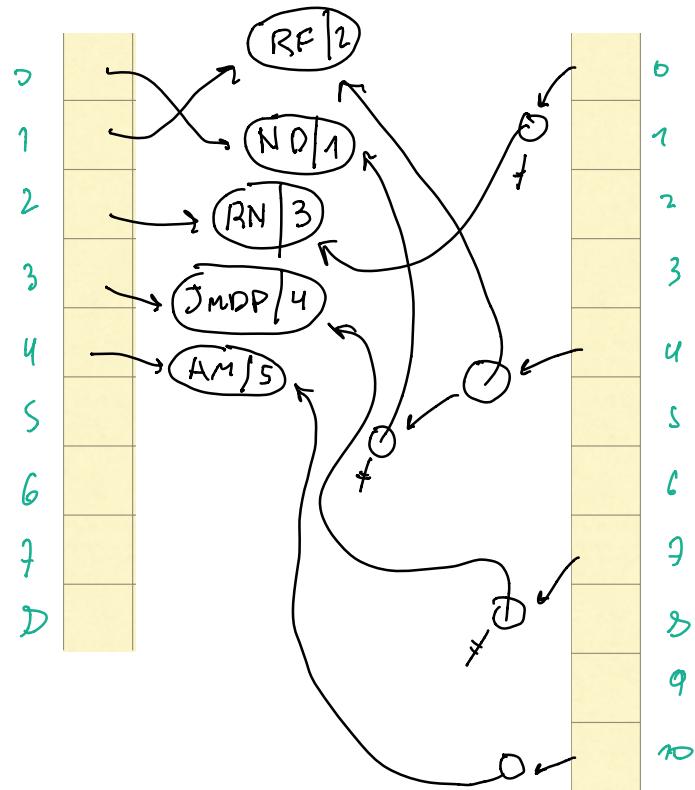
cont: 4

Órdenes

Agregar  
Posición  
Combinar

CP	PC
1	1
N	N
N	N

### 3) Array + Hash!



cont > 5

'ordenar'

CP PC

Acreuar	1	1
Desafiar	1	N
combiar	1	1