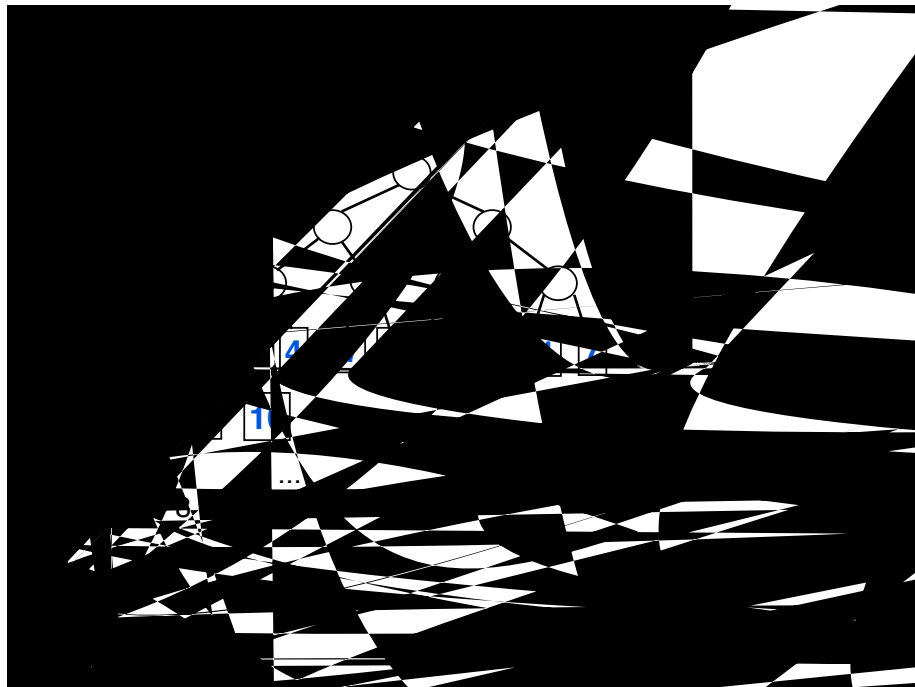
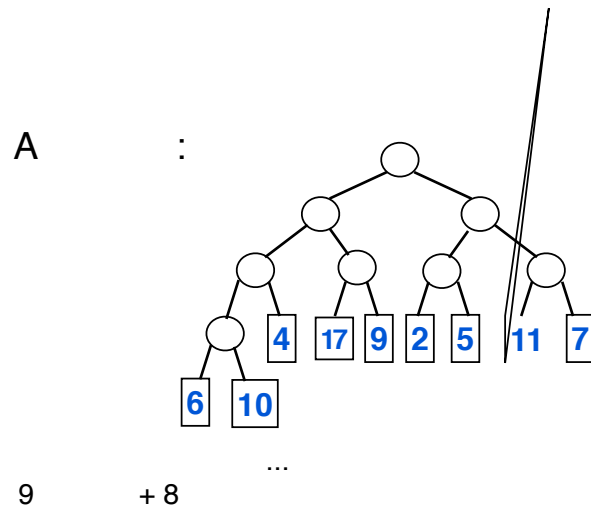
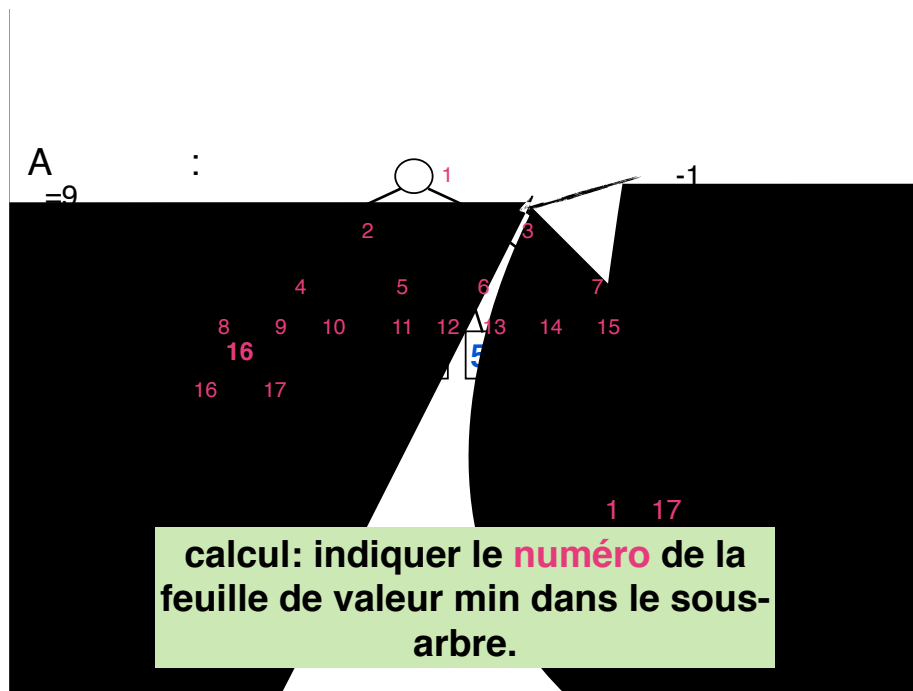
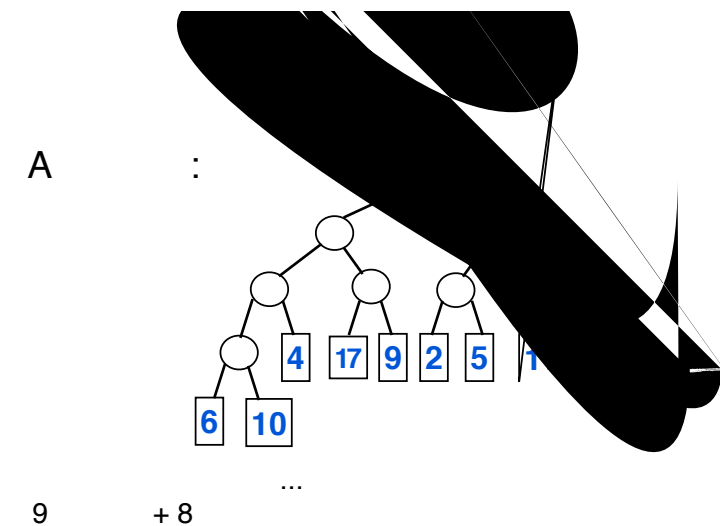
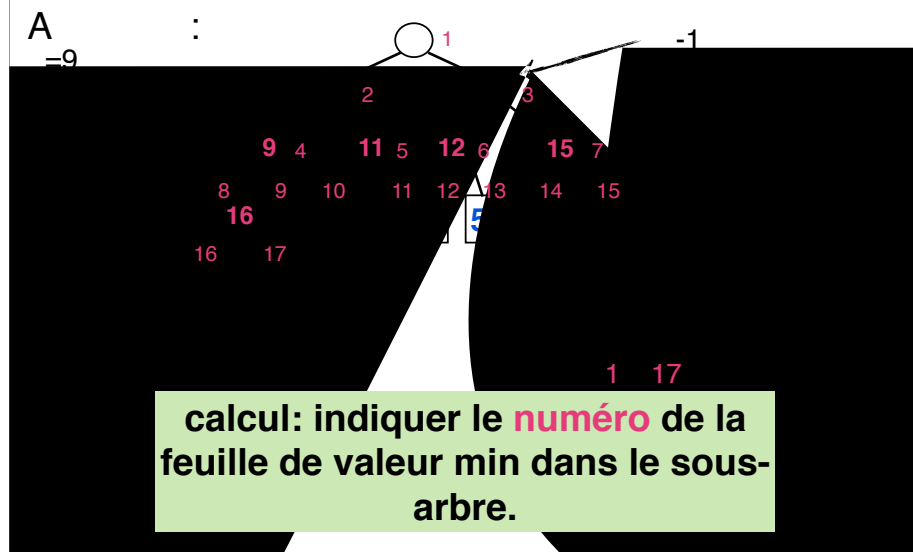


A

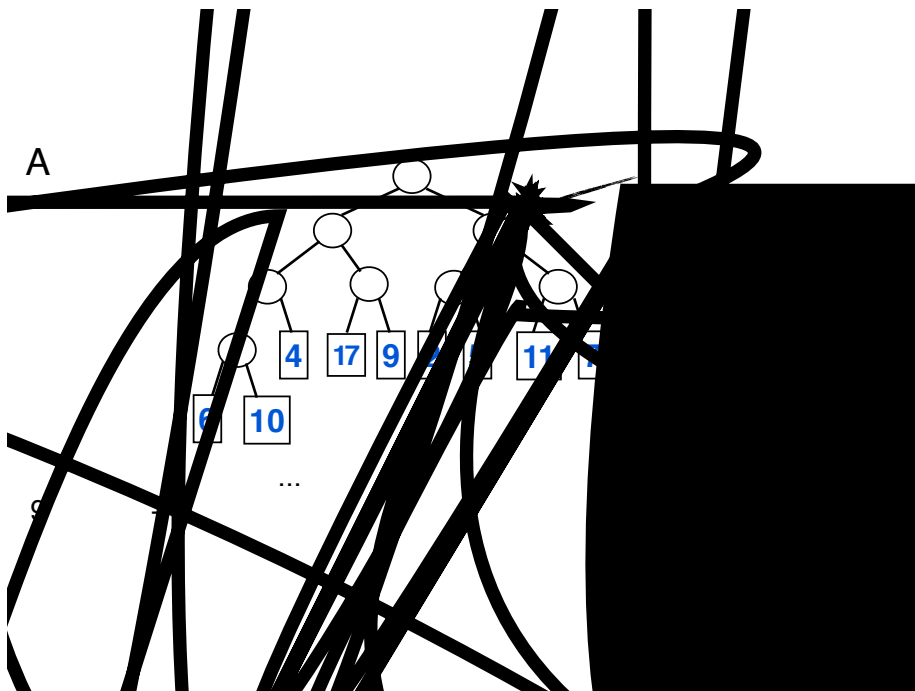
*The Art of Computer Programming* , 3,  
D. .







9 + 8 ...



A :  $\leq \lceil \log(n) \rceil$

C : CalculArbre

C : MaJ

```
def CalculArbre(T,F,n) :
  for i = n-1..1 :
    if (F[T[2i]] <= F[T[2i+1]]) : T[i] = T[2i]
    else : T[i] = T[2i+1]
```

```
def MaJ(T,v,nf,F) :
  F[nf] = v
  i = nf
  while (i/2 >= 1) :
    i = i/2
    if (F[T[2i]] <= F[T[2i+1]]) : T[i] = T[2i]
    else : T[i] = T[2i+1]
```

A :  $\leq \lceil \log(n) \rceil$

C : CalculArbre

C : MaJ

( ) !

A - ( 1... , ) :

1) CalculArbre - +2 :

2) = 1 -2: MaJ( , - +2+ , 1 ,F)

3) 2 .

1) ( , ∞, 1 ,F)

2) F 1

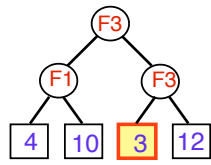
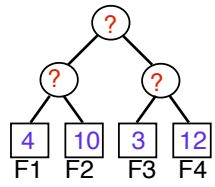


quintuplets.

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4	10	3	12	8
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- +2 = 4



# C

# 1

	2			
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■ ■ ■

