

#### PRESENTATION DE

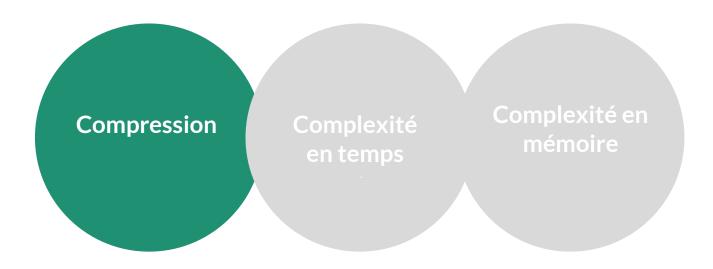
# Compression des arbres binaires

26Nov2019

Hicham Rami Ait El Hara Nassima Ghout Shokoufeh Ahmadi Simab

#### **Sommaire**

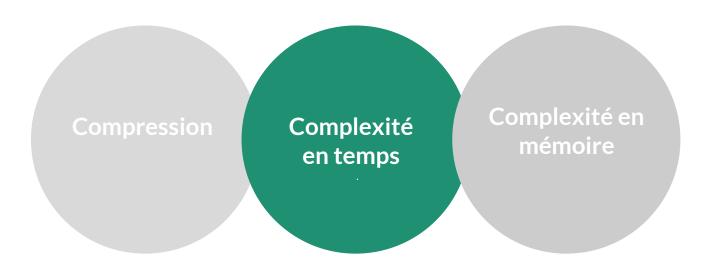
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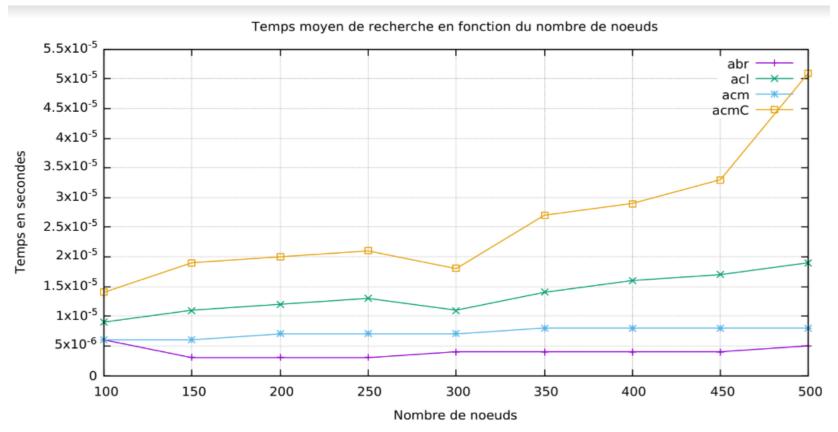
Structures utilisés pour représenter une ABR compressé utilisant des listes :

```
type 'a abr = Empty_abr
| Node_abr of ('a * 'a abr * 'a abr)
```

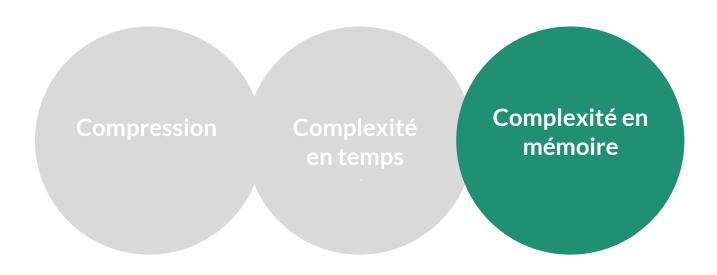
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### Complexité en temps de la recherche



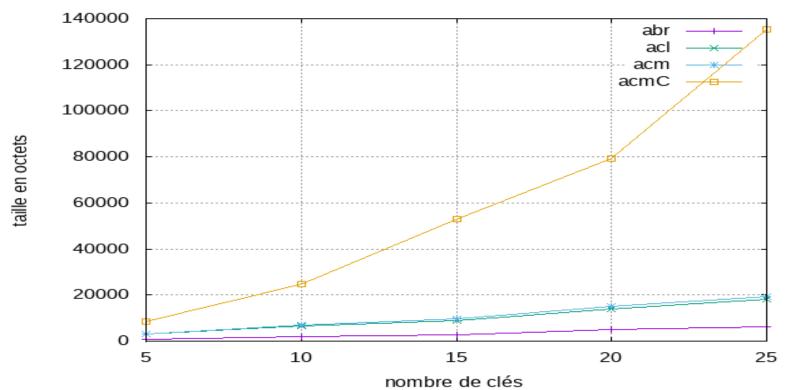
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# Complexité en mémoire

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espaces mémoire occupé par les différentes structures



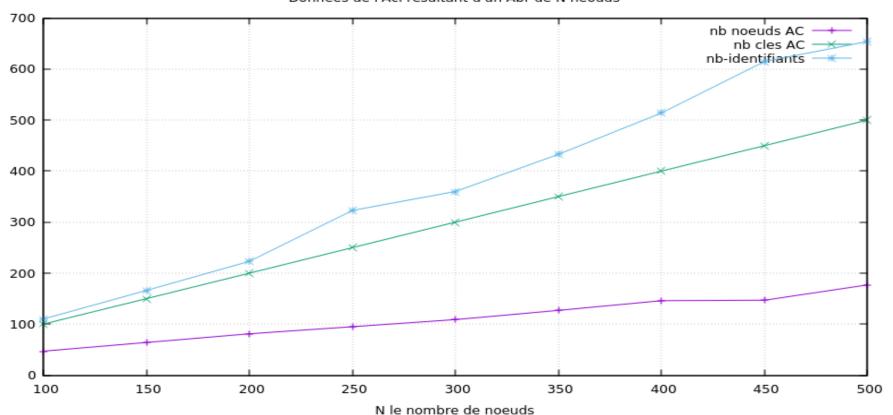
# Complexité Mémoire

 $\bullet \bullet \bullet$ 

nb_cle/ taille en octets	mem_abr	mem_acl	mem_acm	mem_acmC
100	38064	117504	118632	5141344
150	57600	196128	189936	20006096
500	240864	1180208	934504	1169309992
750	474528	2524104	1873704	5441731528
1000	599664	3906920	2651376	16952803328

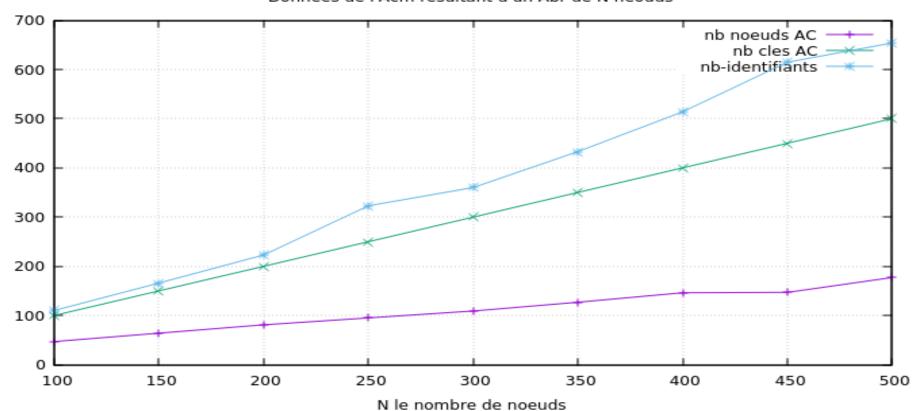
# **Arbre Compressé Listes**





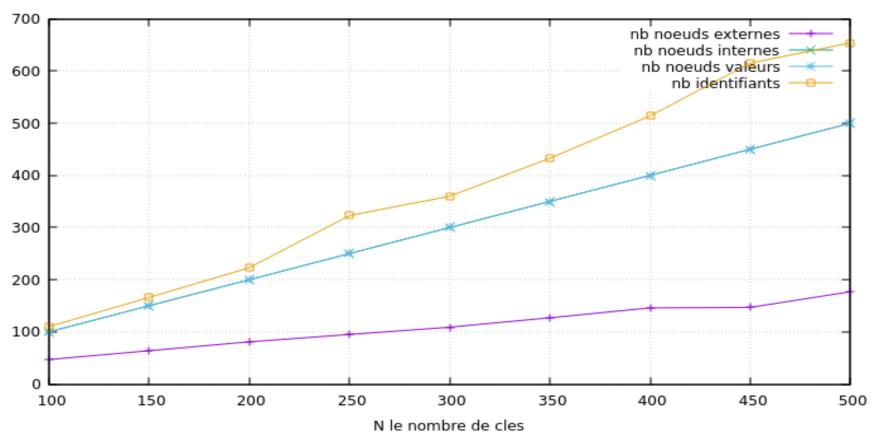
# Arbre Compressé Map

Donnees de l'Acm resultant d'un Abr de N neouds



### **ACM Compressé**

Donnees de l'AcmC resultant d'un Acm de N cles



# FIN! Merci pour votre attention

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