



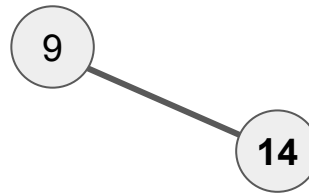
Arbre binaire de recherche | **Exemples d'insertions**

S = [9, 14, 5, 3, 7, 12, 3, 6, 13, 21, 8, 4]



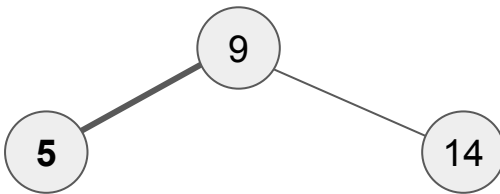
Arbre binaire de recherche | Exemples d'insertions

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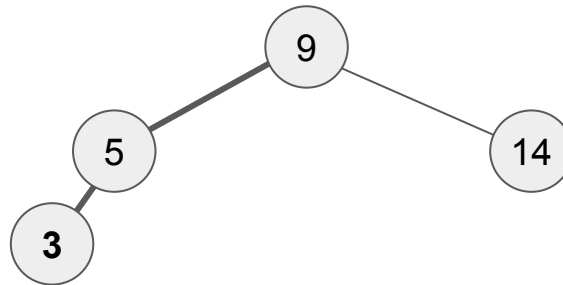
Arbre binaire de recherche | Exemples d'insertions

$S = [9, 14, \mathbf{5}, 3, 7, 12, 3, 6, 13, 21, 8, 4]$



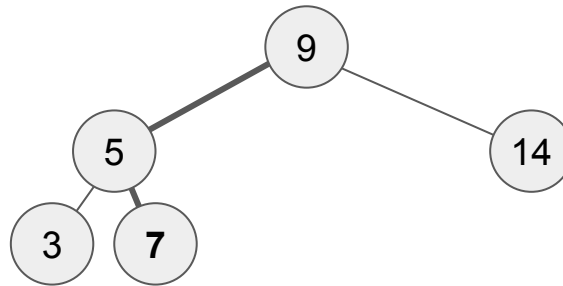
Arbre binaire de recherche | Exemples d'insertions

$S = [9, 14, 5, \mathbf{3}, 7, 12, 3, 6, 13, 21, 8, 4]$



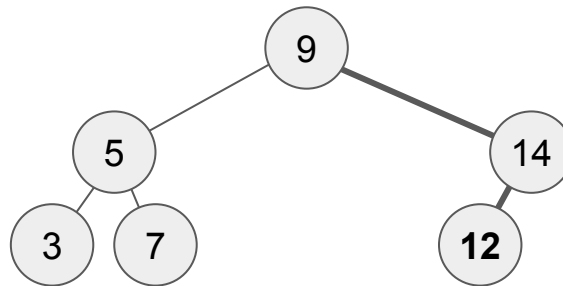
Arbre binaire de recherche | Exemples d'insertions

$S = [9, 14, 5, 3, 7, 12, 3, 6, 13, 21, 8, 4]$



Arbre binaire de recherche | Exemples d'insertions

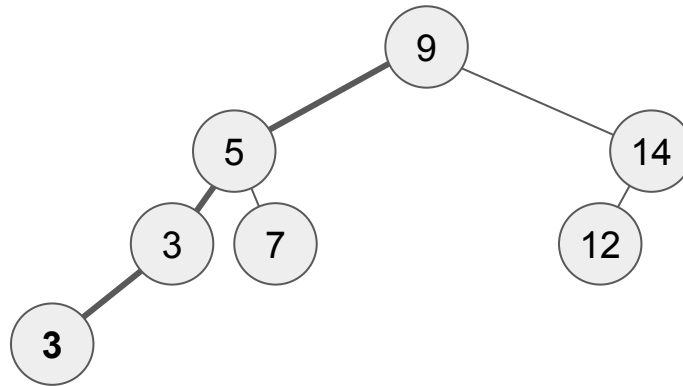
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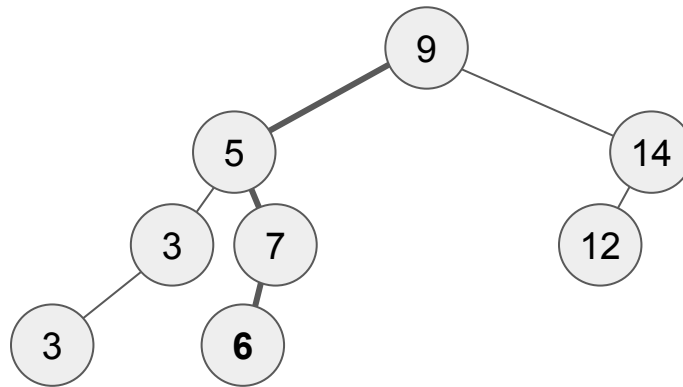
Arbre binaire de recherche | Exemples d'insertions

$S = [9, 14, 5, 3, 7, 12, \mathbf{3}, 6, 13, 21, 8, 4]$



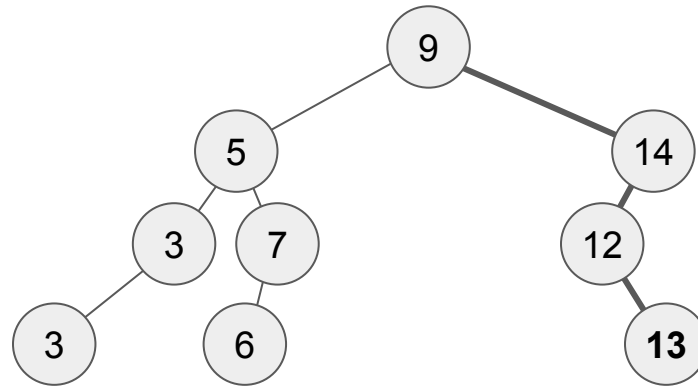
Arbre binaire de recherche | Exemples d'insertions

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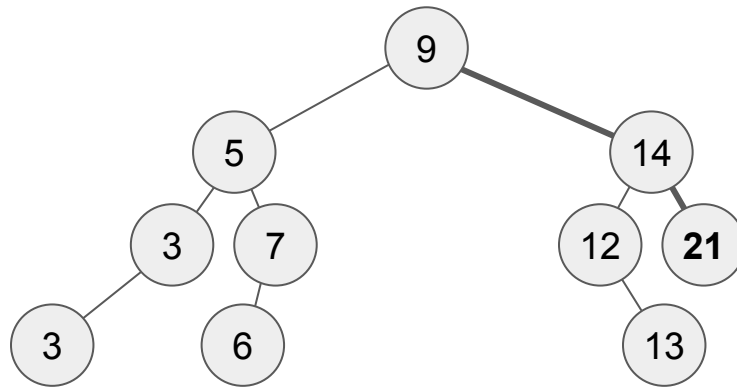
Arbre binaire de recherche | Exemples d'insertions

$S = [9, 14, 5, 3, 7, 12, 3, 6, \mathbf{13}, 21, 8, 4]$



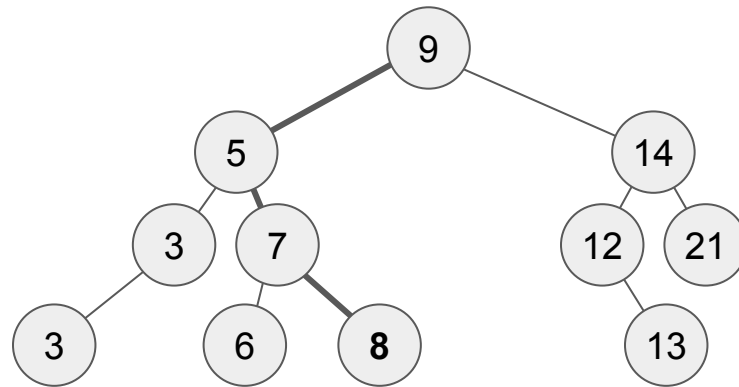
Arbre binaire de recherche | Exemples d'insertions

$S = [9, 14, 5, 3, 7, 12, 3, 6, 13, \mathbf{21}, 8, 4]$



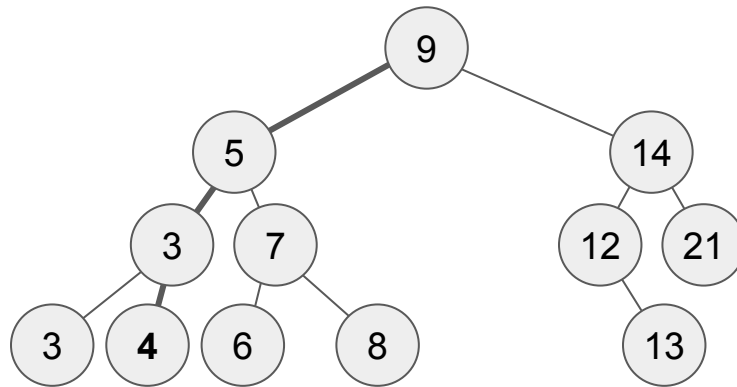
Arbre binaire de recherche | Exemples d'insertions

$S = [9, 14, 5, 3, 7, 12, 3, 6, 13, 21, 8, 4]$



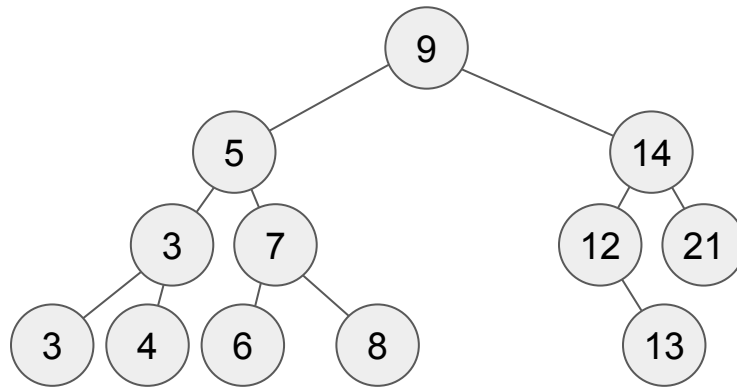
Arbre binaire de recherche | Exemples d'insertions

$S = [9, 14, 5, 3, 7, 12, 3, 6, 13, 21, 8, 4]$



Arbre binaire de recherche | Exemples d'insertions

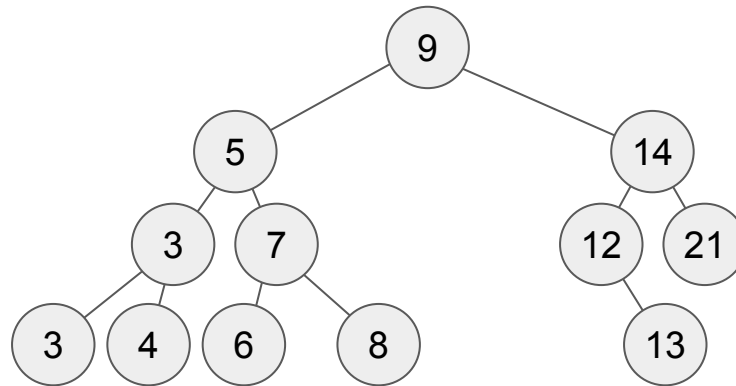
$S = [9, 14, 5, 3, 7, 12, 3, 6, 13, 21, 8, 4]$



Arbre binaire de recherche | Exemples de recherche

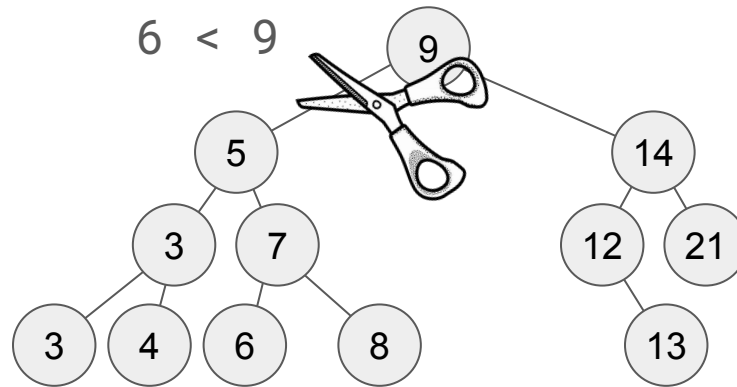
Chaque noeud peut être vu comme la racine d'un sous-arbre binaire.

Vue sous cet angle, la recherche par arbre binaire trié ressemble beaucoup à la recherche dichotomique.



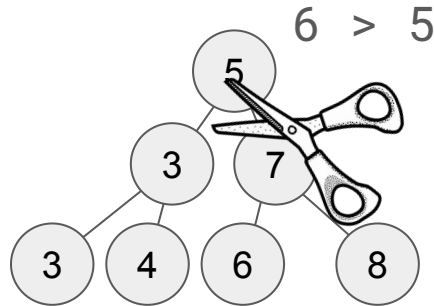
Arbre binaire de recherche | Exemples de recherche

`get_node(6)`



Arbre binaire de recherche | Exemples de recherche

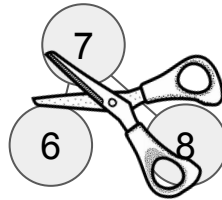
`get_node(6)`



Arbre binaire de recherche | **Exemples de recherche**

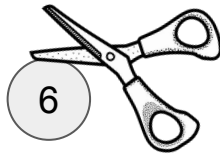
`get_node(6)`

$6 < 7$



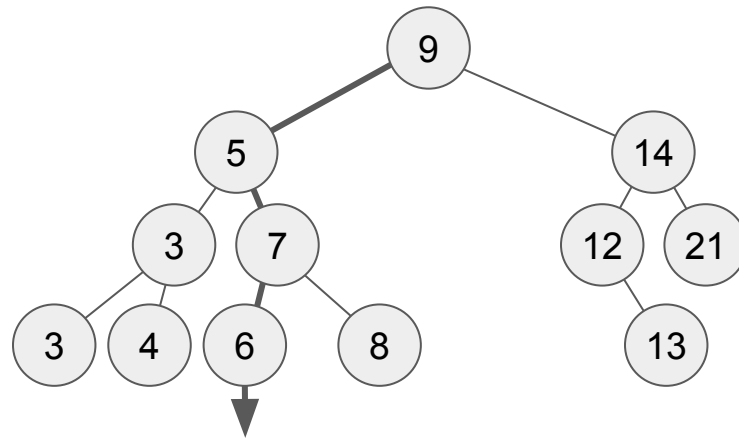
Arbre binaire de recherche | **Exemples de recherche**

`get_node(6)`



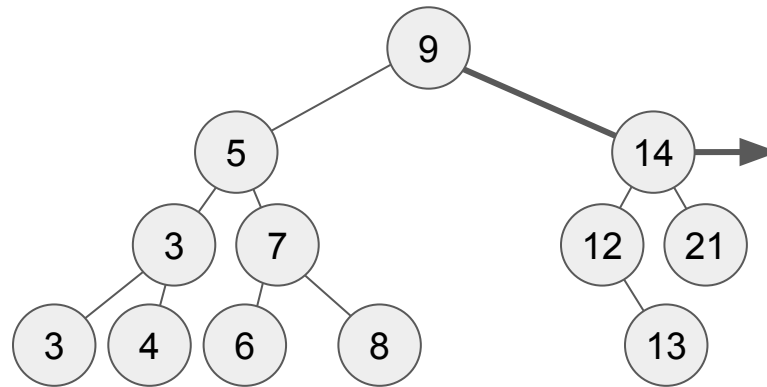
Arbre binaire de recherche | **Exemples de recherche**

`get_node(6)`



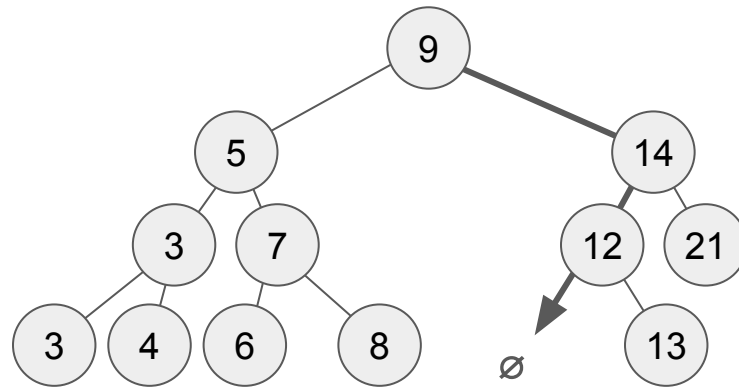
Arbre binaire de recherche | **Exemples de recherche**

get_node(14)



Arbre binaire de recherche | Exemples de recherche

`get_node(11)`



Arbre de tri binaire

Notons que tout parent (sauf les feuilles) possède exactement deux enfants. Certains enfants peuvent représenter une absence de valeur (et souvent, on ne les dessine même pas).

