

Algorithm: Search

Input: A binary search tree t and an integer val

Output: True if $val \in t$ and False if not

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1 Procedure Search( $t, val$ )
2   if  $t = \text{Nil}$  then
3     return false
4   else if  $t_{value} = val$  then
5     return true
6   else if  $t_{value} < val$  then
7     return Search ( $t_{right}, val$ )
8   else if  $t_{value} > val$  then
9     return Search ( $t_{left}, val$ )
```