Algorithms and Datastructures assignment 3

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Indhold

1 Task 1

```
get-kth-key(x,k)
1 if k < 0 or k > x.max
2     return NILL
3 else
4         if k > x.left.size
5             get-kth-key(x.right,k-x.left.size)
6         if k < x.left.size
7             get-kth-key(x.left,k)
8         if k = x.left.size
9             return x+1
```

2 task 2

```
get-kth-key(x,k)
1 y=x.right
2 x.right=y.right
3 if y.right=! T.nil
4    y.right.p=x
5 x.right.left=y.left
6 if y.left=! T.nil
7 y.left.p=x.right
--------
everything from here on is normal.
```