

OS-SELECT(x, i)

1 $r \leftarrow \text{size}[\text{left}[x]] + 1$

2 **if** $i = r$

3 **then return** x

4 **elseif** $i < r$

5 **then return** OS-SELECT($\text{left}[x], i$)

6 **else return** OS-SELECT($\text{right}[x], i - r$)