

INTERVAL-SEARCH(T, i)

1 $x = T.root$

2 **while** $x \neq T.nil$ and i does not overlap $x.int$

3 **if** $x.left \neq T.nil$ and $x.left.max \geq i.low$

4 $x = x.left$ // overlap in left subtree or no overlap in right subtree

5 **else** $x = x.right$ // no overlap in left subtree

6 **return** x