B-TREE-SEARCH(x, k)

1   $i = 1$
2   **while** $i \leq x.n$ and $k > x.key_i$
3       $i = i + 1$
4   **if** $i \leq x.n$ and $k == x.key_i$
5   **return** (x, i)
6   **elseif** $x.leaf$
7   **return** NIL
8   **else** DISK-READ($x.c_i$)
9   **return** B-TREE-SEARCH($x.c_i, k$)