COMPACT-LIST-SEARCH′($key, next, head, n, k, t$)

```
1   i = head
2   for q = 1 to t
3       j = RANDOM(1, n)
4       if key[i] < key[j] and key[j] ≤ k
5           i = j
6           if key[i] == k
7               return i
8   while i ≠ NIL and key[i] < k
9       i = next[i]
10  if i == NIL or key[i] > k
11      return NIL
12  else return i
```