

HASH-INSERT(T, k)

1 $i = 0$

2 **repeat**

3 $q = h(k, i)$

4 **if** $T[q] == \text{NIL}$

5 $T[q] = k$

6 **return** q

7 **else** $i = i + 1$

8 **until** $i == m$

9 **error** “hash table overflow”

HASH-SEARCH(T, k)

1 $i = 0$

2 **repeat**

3 $q = h(k, i)$

4 **if** $T[q] == k$

5 **return** q

6 $i = i + 1$

7 **until** $T[q] == \text{NIL}$ or $i == m$

8 **return** NIL