HASH-INSERT(T, k)

1 $i = 0$
2 **repeat**
3          $j = h(k, i)$
4   **if** $T[j]$ == NIL
5                  $T[j] = k$
6   **return** j
7   **else** $i = i + 1$
8 **until** i == m
9 **error** "hash table overflow"