

# B-TREE-INSERT( $T, k$ )

1  $r = T.root$

2 **if**  $r.n == 2t - 1$

3      $s = \text{B-TREE-SPLIT-ROOT}(T)$

4      $\text{B-TREE-INSERT-NONFULL}(s, k)$

5 **else**  $\text{B-TREE-INSERT-NONFULL}(r, k)$