

# EXACT-SUBSET-SUM( $S, n, t$ )

1  $L_0 = \langle 0 \rangle$

2 **for**  $i = 1$  **to**  $n$

3      $L_i = \text{MERGE-LISTS}(L_{i-1}, L_{i-1} + x_i)$

4     remove from  $L_i$  every element that is greater than  $t$

5 **return** the largest element in  $L_n$