```
APPROX-SUBSET-SUM(S, n, t, ε)
1  L_0 = ⟨0⟩
2  for i = 1 to n
3        L_i = MERGE-LISTS(L_{i-1}, L_{i-1} + x_i)
4        L_i = TRIM(L_i, ε/2n)
5        remove from L_i every element that is greater than t
6  let z* be the largest value in L_n
7  return z*
```