assume indeces starts from 0

subarraySum(A, s)

1. if s = 0 then do
      for $i \leftarrow 0$ to size[A] - 1
          if A[i] = 0 then return (i, i)

2. do start $\leftarrow$ -1, end $\leftarrow$ 0, sum $\leftarrow$ A[0]
3. while (sum $\neq$ s and start < size[A]) do

   4. while sum < s do
          end $\leftarrow$ end + 1
          if end = size[A]   /* sum < s and end = size[A]
          then return NIL   see solution's idea */

      else do
          sum $\leftarrow$ sum + A[end]

   5. while s < sum do
          start $\leftarrow$ start + 1
          sum $\leftarrow$ sum - A[start]

6. if sum = s then return (start + 1, end)
   else return NIL
                              /* start begin with
                                 a value of -1 */