R-4.3

Algorithm AbsValue(A, n):

    Input: An integer array A and an integer n

    Output: A with all elements replaced by their absolute value

    if $n = 0$ then
       return
    if $A[n-1] < 0$ then
       $A[n-1] \leftarrow -A[n-1]$
    AbsValue($A, n-1$)