

ALGORITHM *Secret*($A[0..n - 1]$)

//Input: An array $A[0..n - 1]$ of n real numbers

$minval \leftarrow A[0]; maxval \leftarrow A[0]$

for $i \leftarrow 1$ **to** $n - 1$ **do**

if $A[i] < minval$

$minval \leftarrow A[i]$

if $A[i] > maxval$

$maxval \leftarrow A[i]$

return $maxval - minval$