

HEAP-INCREASE-KEY(A, i, key)

if $key < A[i]$

error “new key is smaller than current key”

$A[i] = key$

while $i > 1$ and $A[\text{PARENT}(i)] < A[i]$

 exchange $A[i]$ with $A[\text{PARENT}(i)]$

$i = \text{PARENT}(i)$