
Heapify-up(H, i) :

 If $i > 1$ then

 let $j = \text{parent}(i) = \lfloor i/2 \rfloor$

 If $\text{key}[H[i]] < \text{key}[H[j]]$ then

 swap the array entries $H[i]$ and $H[j]$

 Heapify-up(H, j)

 Endif

 Endif
