Brock
Soilhav
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Beeson

2. Max-Heapify(A, i)
   L = Left(i)
   r = Right(i)
   if L ≤ A.heapsize and A[L] > A[i]
        largest = L
   else largest = i
   if r ≤ A.heapsize and A[r] > A[largest]
        largest = r
   if largest ≠ i
        swap A[i] with A[largest]
   Max-Heapify(A, largest)

   Max-Heapify(A, i)
   i = [i]
   L = left(i)
   r = right(i)
   while (i ≤ A.heapsize)
        if A[L] > A[i]
             largest = L
        else largest = i
        if A[r] > A[largest]
             largest = r
        if largest ≠ i
             swap A[i] with A[largest]
        else
             i++