Problem	Generated Code	Test Cases
Problem  H-Index  Given a list of citations counts, where each citation is a nonnegative integer, write a function h_index that outputs the h-index. The h-index is the largest number h such that h papers have each least h citations.  Example:	Generated Code  def h_index(counts):     n = len(counts)     if n > 0:     counts.sort()     counts.reverse()     h = 0     while (h < n and         counts[h]-1>=h):     h += 1     return h	Test Cases  Input: [1,4,1,4,2,1,3,5,6]  Generated Code Output: 4  Input: [1000,500,500,250,100, 100,100,100,100,100,75,50, 30,20,15,15,10,5,2,1]
Input: [3,0,6,1,4] Output: 3	else: return 0	Generated Code Output: