# 300. Longest Increasing Subsequence

## SOLUTION IN JAVA

class Solution {

public int lengthOfLIS(int[] nums) {

if (nums.length == 0)

return 0;

int[] dp = new int[nums.length];

Arrays.fill(dp, 1);

for (int i = 1; i < nums.length; ++i)

for (int j = 0; j < i; ++j)

if (nums[j] < nums[i])

dp[i] = Math.max(dp[i], dp[j] + 1);

return Arrays.stream(dp).max().getAsInt();

}

}