```python

# O(n) time | O(n) space - where in is the length of the input array
def minRewards(scores):
    rewards = [1 for _ in scores]
    localMinIdxs = getLocalMinIdxs(scores)
    for localMinIdx in localMinIdxs:
        expandFromLocalMinIdx(localMinIdx, scores, rewards)
    return sum(rewards)


def getLocalMinIdxs(array):
    if len(array) == 1:
        return [0]
    localMinIdxs = []
    for i in range(len(array)):
        if i == 0 and array[i] < array[i + 1]:
            localMinIdxs.append(i)
        if i == len(array) - 1 and array[i] < array[i - 1]:
            localMinIdxs.append(i)
        if i == 0 or i == len(array) - 1:
            continue
        if array[i] < array[i + 1] and array[i] < array[i - 1]:
            localMinIdxs.append(i)
    return localMinIdxs


def expandFromLocalMinIdx(localMinIdx, scores, rewards):
    leftIdx = localMinIdx - 1
    while leftIdx >= 0 and scores[leftIdx] > scores[leftIdx + 1]:
        rewards[leftIdx] = max(rewards[leftIdx], rewards[leftIdx + 1] + 1)
        leftIdx -= 1
    rightIdx = localMinIdx + 1
    while rightIdx < len(scores) and scores[rightIdx] > scores[rightIdx - 1]:
        rewards[rightIdx] = rewards[rightIdx - 1] + 1
        rightIdx += 1

```