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题目:
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Given a positive integer n, find the least number of perfect square numbers (for
example, 1, 4, 9, 16, ...) which sum to n.
For example, given n = 12, return 3 because 12 = 4 + 4 + 4; given n = 13,
return 2 because 13 = 4 + 9.
1.时间: O(NLOGN);空间: O(N)
class Solution {
    /* dp[i] = min(dp[i-j*j]), 1 <= j*j <= i */
public:
    int numSquares(int n) {
        if (n \le 0) return 0;
         std::vector<int> dp(n + 1, 0);
         for (int i = 1; i <= n; ++i){
             int min = std::numeric_limits<int>::max();
             for (int k = 1; k * k <= i; ++k){
                 min = std::min(min, dp[i - k * k] + 1);
             }
             dp[i] = min;
        }
         return dp[n];
    }
};
```