

week06—习题

191.位1的个数

```
1 class Solution {
2 public:
3     int hammingWeight(uint32_t n) {
4         int count = 0;
5         while(n != 0)
6         {
7             if(n & 1) count ++;
8             n >>= 1;
9         }
10        return count;
11    }
12 };
13
```

64.最小路径和

```
1 class Solution {
2 public:
3     int minPathSum(vector<vector<int>>& grid) {
4         if (grid.size() == 0 || grid[0].size() == 0) {
5             return 0;
6         }
7         int rows = grid.size(), columns = grid[0].size();
8         auto dp = vector < vector <int> > (rows, vector <int> (columns));
9         dp[0][0] = grid[0][0];
10        for (int i = 1; i < rows; i++) {
11            dp[i][0] = dp[i - 1][0] + grid[i][0];
12        }
13        for (int j = 1; j < columns; j++) {
14            dp[0][j] = dp[0][j - 1] + grid[0][j];
15        }
16        for (int i = 1; i < rows; i++) {
17            for (int j = 1; j < columns; j++) {
18                dp[i][j] = min(dp[i - 1][j], dp[i][j - 1]) + grid[i][j];
19            }
20        }
21        return dp[rows - 1][columns - 1];
22    }
23 }
```

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};

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