- **动态规划：63.不同路径规划2**

题目链接

```cpp
class Solution {
public:
    int uniquePathsWithObstacles(vector<vector<int>>& obstacleGrid) {
        int row = obstacleGrid.size();
        int col = obstacleGrid[0].size();
        vector<vector<int>> dp(row + 1, vector<int>(col + 1));
        dp[1][0] = 1;
        for (int i = 0; i < row; i++) {
            for (int j = 0; j < col; j++) {
                if (obstacleGrid[i][j] == 0) {
                    dp[i+1][j+1] = dp[i][j+1] + dp[i+1][j];
                }
            }
        }
        return dp[row][col];
    }
};
```

- **链表：BM7 链表中环的入口结点**

题目链接

```
class Solution {
public:
    ListNode* Start(ListNode** pHead,ListNode** slow)
    {
        ListNode* tmp = *pHead;
        ListNode* s = *slow;
        while(tmp != s)
        {
            tmp = tmp->next;
            s = s->next;
        }
        return s;
    }
    ListNode* EntryNodeOfLoop(ListNode* pHead) {
        ListNode* slow = pHead;
        ListNode* fast = pHead;
        ListNode* tmp = pHead;
        while(fast && fast->next)
        {
            slow = slow->next;
            fast = fast->next->next;
            if(slow == fast)
            {
                while(tmp != slow)
                {
                    tmp = tmp->next;
                    slow = slow->next;
                }
                return slow;
            }

        }
        return NULL;
    }
};
```