

动态规划：123. 买卖股票的最佳时机 III

```
1 class Solution {
2 public:
3     int maxProfit(vector<int>& prices) {
4         int n = prices.size();
5
6         vector<vector<int>> f(n, vector<int>(3, -0x3f3f3f3f));
7         auto g = f;
8         f[0][0] = -prices[0];
9         g[0][0] = 0;
10        for(int i = 1 ;i < n;i++)
11        {
12            for(int j = 0;j < 3 ;j++)
13            {
14                f[i][j] = max(f[i-1][j],g[i-1][j] - prices[i]);
15                g[i][j] = g[i-1][j];
16                if(j >= 1)
17                    g[i][j] = max(g[i][j],f[i-1][j-1] + prices[i]);
18            }
19        }
20        return max(max(g[n-1][2],g[n-1][1]),g[n-1][0]);
21
22    }
23 };
```