

## Задача №5

Учитывая rows x cols двоичный файл matrix, заполненный символами 0's и 1's, найдите самый большой прямоугольник, содержащий только 1's, и верните его площадь .

Пример 1:

Ввод:

матрица = `[["1","0","1","0","0"],["1","0","1","1","1"],["1","1","1","1","1"],["1","0","0","1","0"]]`

```
#include <iostream>
#include <vector>
#include <algorithm>

using namespace std;

int maxProfit(vector<int>& prices) {
    int buy1 = INT_MAX;
    int buy2 = INT_MAX;
    int sell1 = 0;
    int sell2 = 0;

    for (int price : prices) {
        buy1 = min(buy1, price);
        sell1 = max(sell1, price - buy1);
        buy2 = min(buy2, price - sell1);
        sell2 = max(sell2, price - buy2);
    }

    return sell2;
}

int main() {
    vector<int> prices = {3, 3, 5, 0, 0, 3, 1, 4};
    int result = maxProfit(prices);
    cout << "Max profit: " << result << endl;

    return 0;
}
```



Max profit: 6



\*\* Process exited - Return Code: 0 \*\*