

Minimum rooms for m events of n batches with given schedule

给定学生组数量n，给定天数m以及n个时间安排，计算出需要的最小的房间数量

维护一个rooms数组，rooms[i]表示在第i天所需要的房间数量，返回rooms中的最大值即可

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#include <bits/stdc++.h>

using namespace std;

typedef vector<string> vs;
typedef vector<int> vi;

int minRooms(vs &slots, int &n, int &m) {
    vi rooms(m, 0);
    for (int i = 0; i < n; ++i) {
        for (int j = 0; j < m; ++j) {
            if (slots[i][j] == '1')
                rooms[j]++;
        }
    }
    return *max_element(rooms.begin(), rooms.end());
}

int main() {
    int n = 2, m = 7;
    vs slots = {"0101010", "1010101"};
    printf("%d\n", minRooms(slots, n, m));
}
```