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## 2 Section2

### 2.1 thm

• 中文測試

$$\sum_{i=1}^n i^2 = \frac{n(n+1)(2n+1)}{6}$$

## 1 Section1

### 1.1 basic

```

1 // c++ code
2 #include <bits/stdc++.h>
3 using namespace std;
4
5 int main() {
6     // test comment
7     cout << "test string\n";
8 }

```

### 1.2 uva

```

1 #include <bits/stdc++.h>
2 using namespace std;
3
4 const int maxn = 500+10;
5 int n,m,dp[maxn][maxn],y[maxn][maxn],b[maxn][maxn];
6
7 int main(){
8     int x;
9     while(cin>>n){
10         if(n==0) break;
11         cin>>m;
12
13         memset(dp,0,sizeof(dp));
14         memset(y,0,sizeof(y));
15         memset(b,0,sizeof(b));
16
17         for (int i = 1; i <= n ;++i)
18         {
19             for (int j = 1; j <= m ; ++j)
20             {
21                 cin>>x;
22                 y[i][j]=y[i][j-1]+x;
23             }
24         }
25         for (int i = 1; i <= n ; ++i)
26         {
27             for (int j = 1; j <= m ; ++j)
28             {
29                 cin>>x;
30                 b[i][j]=b[i-1][j]+x;
31             }
32         }
33         for (int i = 1; i <= n ; ++i)
34         {
35             for (int j = 1; j <= m ; ++j)
36             {
37                 dp[i][j]=max(dp[i-1][j]+y[i][j],dp[i][j-1]+b[i][j]);
38             }
39         }
40         cout<<dp[n][m]<<'\n';
41     }
42     return 0;
43 }

```