Contents

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

```cpp
// c++ code
#include <bits/stdc++.h>
using namespace std;

int main() {
    // test comment
    cout << "test string\n";
}
```

1.2 uva

```cpp
#include <bits/stdc++.h>
using namespace std;

const int maxn =500+10;
int n,m,dp[maxn][maxn],y[maxn][maxn],b[maxn][maxn];

int main(){
  int x;
  while(cin>>n){
    if(n==0) break;
    cin>>m;

    memset(dp,0,sizeof(dp));
    memset(y,0,sizeof(y));
    memset(b,0,sizeof(b));

    for (int i = 1; i <= n ;++i)
    {
      for (int j = 1; j <=m ; ++j)
      {
        cin>>x;
        y[i][j]=y[i][j-1]+x;
      }
    }
    for (int i = 1; i <= n ; ++i)
    {
      for (int j = 1; j <=m ; ++j)
      {
        cin>>x;
        b[i][j]=b[i-1][j]+x;
      }
    }
    for (int i = 1; i <= n; ++i)
    {
      for (int j = 1; j <= m ; ++j)
      {
        dp[i][j]=max(dp[i-1][j]+y[i][j],dp[i][j-1]+b[i][j]);
      }
    }
    cout<<dp[n][m]<<'\n';
  }
  return 0;
}
```