

POJ 2948

```
#include<iostream>
#include<cstdio>
#include<cstring>
#include<cmath>
#include<cstdlib>
using namespace std;
int n,m,dp[505][505],prea[505][505],preb[505][505];
int main()
{
    while(~scanf("%d%d",&n,&m))
    {
        if(!n&&!m) return 0;
        for(int i=1;i<=n;i++)
            for(int j=1;j<=m;j++)
            {
                scanf("%d",&prea[i][j]);
                prea[i][j]+=prea[i][j-1]+prea[i-1][j]-prea[i-1][j-1];
            }
        for(int i=1;i<=n;i++)
            for(int j=1;j<=m;j++)
            {
                scanf("%d",&preb[i][j]);
                preb[i][j]+=preb[i][j-1]+preb[i-1][j]-preb[i-1][j-1];
            }
        for(int i=1;i<=n;i++)
            for(int j=1;j<=m;j++)
            {
                dp[i][j]=max(dp[i-1][j]+prea[i][j]-
prea[i-1][j],dp[i][j-1]+preb[i][j]-preb[i][j-1]);
            }
        printf("%d\n",dp[n][m]);
    }
    return 0;
}
```

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