

```
using namespace std;
#include<iostream>
#include<stdlib.h>

int main (){

int x1,x2,y1,y2,S;

cout<<"input first coordinates:";
cin>>x1>>y1;
cout<<"input second coordinates:";
cin>>x2>>y2;
S=abs(x2-x1)*abs(y2-y1);
cout<<"S="<<S;

return 0;
}
```