#include<iostream>

#include<stack>

#include<vector>

#include<cstdlib>

using namespace std;

int main()

{

stack<int> s1;

stack<int> s2 ;

cout<<"enter elements of stack1 : \n";

for(int i=0;i<3;i++)

{

int x;

cin>>x;

s1.push(x);

}

cout<<"enter elements of stack2 : \n";

for(int i=0;i<3;i++)

{

int x;

cin>>x;

s2.push(x);

}

cout<<"enter index of elements to swap : ";

int a,b;

cin>>a>>b;

stack<int>temp1;

stack<int>temp2;

while(s1.top() != a)

{

temp1.push(s1.top());

s1.pop();

}

while(s2.top() != b)

{

temp2.push(s2.top());

s2.pop();

}

int temp = s2.top();

s2.top() = s1.top();

s1.top() = temp;

while(!temp1.empty())

{

s1.push(temp1.top());

temp1.pop();

}

while(!temp2.empty())

{

s2.push(temp2.top());

temp2.pop();

}

cout<<"\nelements swapped";

for(int i=0;i<3;i++)

{

cout<<"\n"<<s1.top();

s1.pop();

}

for(int i=0;i<3;i++)

{

cout<<"\n"<<s2.top();

s2.pop();

}

}