#include <iostream>

using namespace std;

int\* insertion(int\* arr,int\* arr1,int s,int n)

{

int position,element;

// int n=s+1;

//int arr1[n];

//cout<<"enter the position of the element you want to enter";

cin>>position;

cin>>element;

//cout<<endl;

//cout<<"enter the element you want to enter";

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

{

if(i<position)

{

arr1[i]=arr[i];

}

//arr1[i]=arr[i];

else if(i==position)

{

arr1[i]=element;

}

else if(i>position)

{

//cout<<" "<<arr[i];

arr1[i]=arr[i-1];

}

}

return arr1;

}

void display(int\* arr1,int n)

{

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

{

cout<<arr1[i]<<" ";

}

}

int main()

{

int size;

cin>>size;

int arr[size];

int n=size+1;

int arr1[n];

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

{

cin>>arr[i];

}

int\* ptr=insertion(arr,arr1,size,n);

display(ptr,n);

return 0;

}