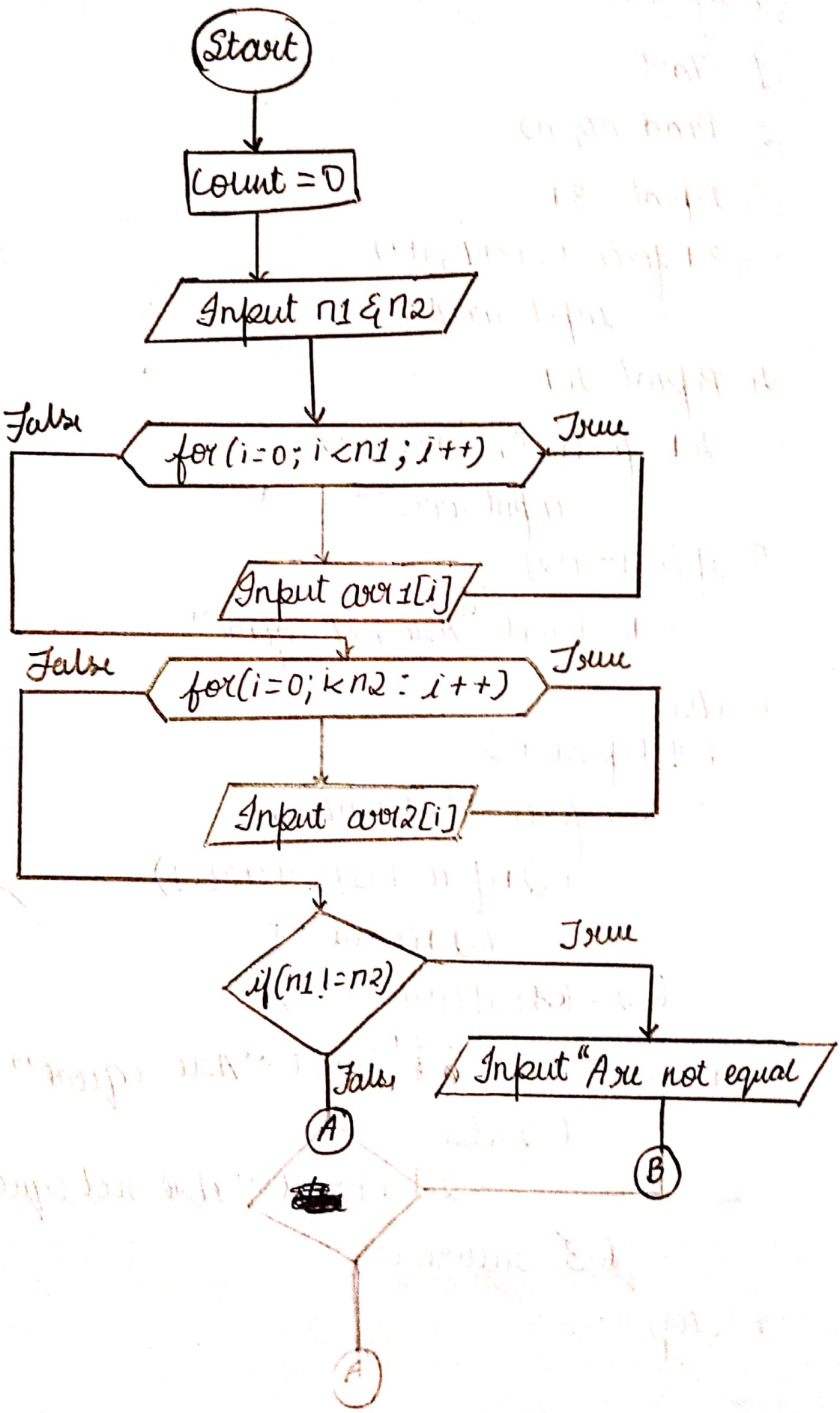
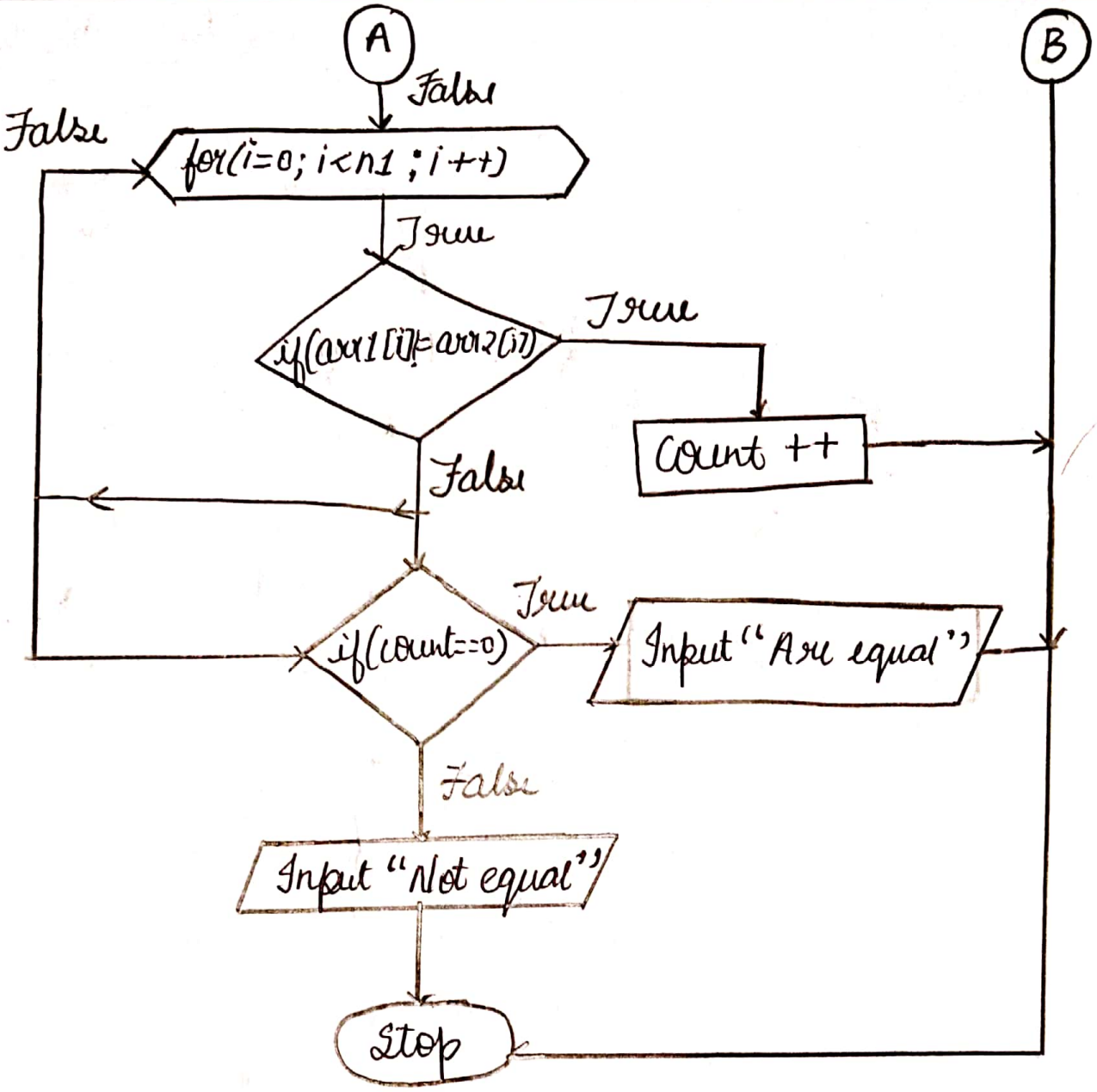
## Algorithm

1. Start
2. Read n1 & n2
3. Repeat 3.1
   3.1 for(i=0; i<n1; i++)
       input arr1[i]
4. Repeat 4.1
   4.1 for(i=0; i<n2; i++)
       input arr2[i]
5. if (n1 != n2)
   5.1 Print "Are not equal"
6. else
   6.1 Repeat 6.2
   6.2 for(i=0; i<n1; i++)
   6.2.1 if(arr1[i] != arr2[i])
   6.2.1 count ++
   6.2.2 if (count == 0)
   6.2.2.1 Print "Are equal"
   6.2.3 else
   6.2.3.1 Print "Are not equal"
   6.3. return 0
7. Stop.

## Flowchart


Start
count = 0
Input n1 & n2
False
for (i=0; i<n1; i++)
True
Input arr1[i]
False
for(i=0; k n2 : i++)
True
Input arr2[i]
if(n1 != n2)
True
Input "Are not equal
False
A
B
A


A
B
False
False
for(i=0; i<n1 ; i++)
True
if(arr1[i]!=arr2[i])
True
count ++
False
if(count==0)
True
Input "Are equal"
False
Input "Not equal"
Stop

C (gcc 6.3) ▾ Code gets autosaved every second

```c
#include<stdio.h>
int main()
{
    int arr1[10],arr2[10],i,n1,n2,flag=0;
    printf("Enter the size of array1 and array2\n");
    scanf("%d%d", &n1, &n2);
    printf("Enter the elements of array1\n");
    for(i=0;i<n1;i++)
    {
        scanf("%d", &arr1[i]);
    }
    printf("Enter the elements of array2\n");
    for(i=0;i<n2;i++)
    {
        scanf("%d", &arr2[i]);
    }
    if(n1!=n2)
    {
        printf("Are not equal");
    }
    else
    {
        for(i=0;i<n1;i++)
```

0.0

Open File ✓Custom I

Custom Input

```
5
5
3 5 7 9 4
3 5 7 9 4
```

Status Successfully executed Date 2020-06-09 11:53:31 Time 0 sec Mem 9.424 kB

Input

```
5
5
3 5 7 9 4
3 5 7 9 4
```

Output

```
Enter the size of array1 and array2
Enter the elements of array1
Enter the elements of array2
Are equal.
```