Algorithm

Step 1: Start

Step 2: Input n

Step 3 : Repeat Step 3

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

3.2 input a[i]

Step 4: Repeat through Step 4

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

4.2 p = a[i]

4.3 flag = 0

4.4 Repeat through step 4.1

4.4.1 for(j=0; j<n; j++)

4.4.2 if(j != i)

4.4.3 flag++

4.4.4 Break

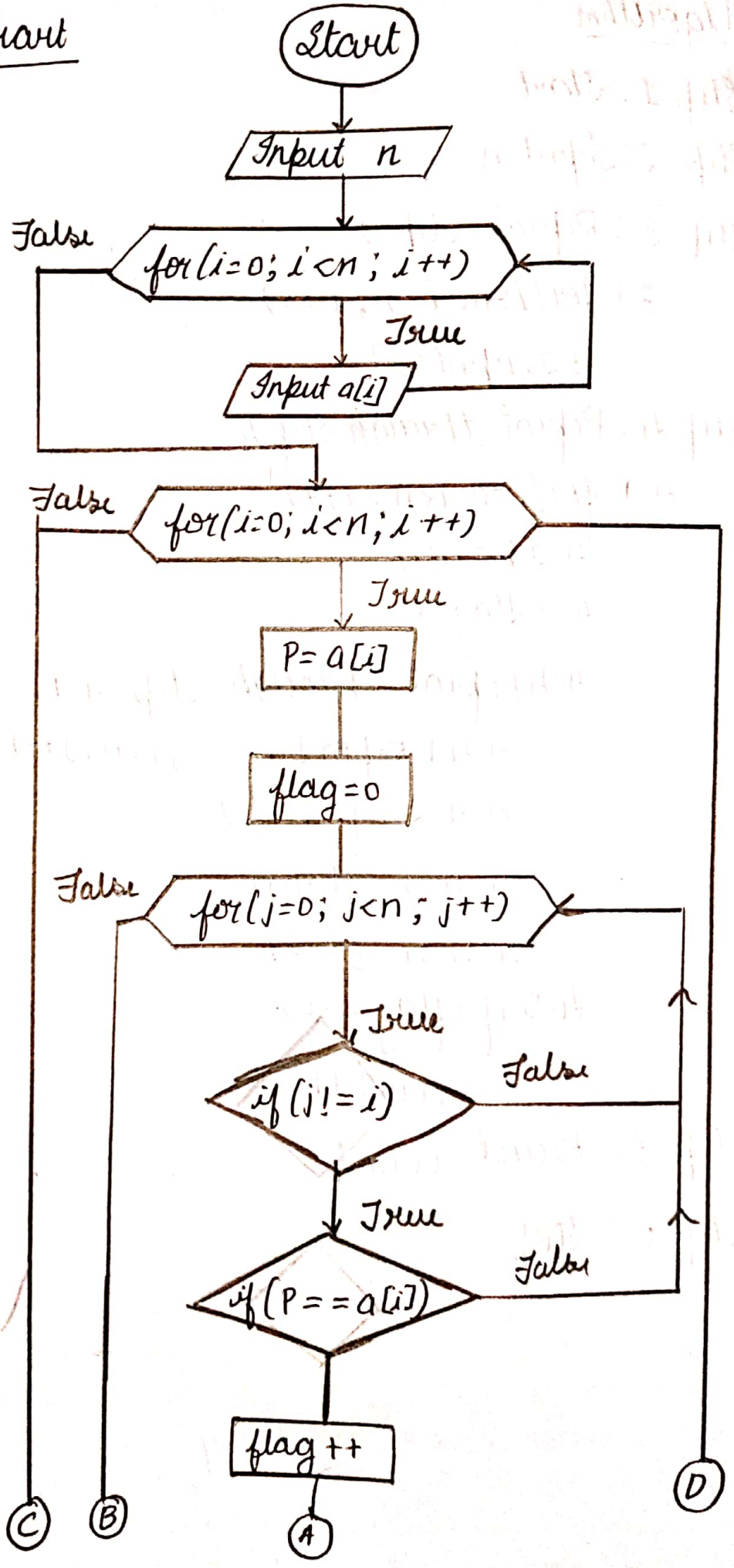
4.5 if (flag == 0)

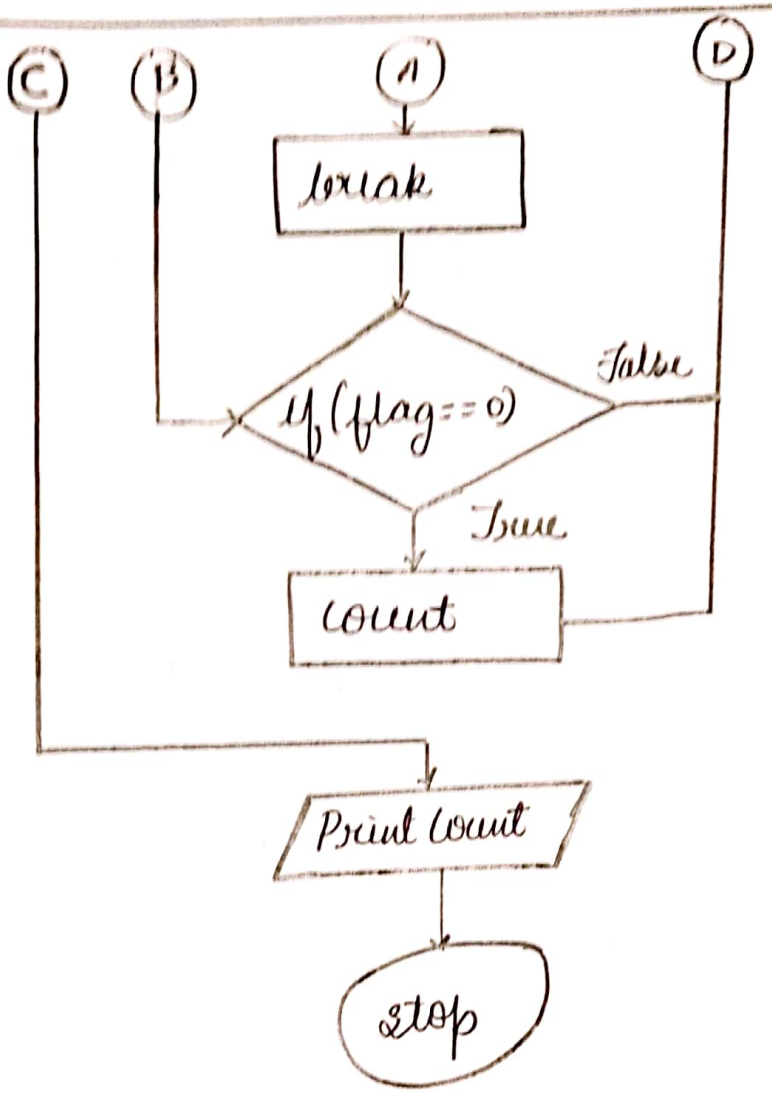
count ++

Step 5: Print count

Step 6 : Stop

Flow Chart


Start
Input n
False
for(i=0; i<n ; i++)
True
Input a[i]
False
for(i=0; i<n; i++)
True
P= a[i]
flag=0
False
for(j=0; j<n ; j++)
True
if (j!=i)
False
True
if (P==a[i])
False
flag++
C
B
A
D


C
B
A
D
break
if(flag==0)
false
true
count
Print count
stop

Ide ✖ +

Contest Code/Name (e.g. JULY15/PRACTICE) | Problem Code/Name (e.g. TEST)

C (gcc 6.3) ▼ Code gets autosaved every second

```c
#include<stdio.h>
int main()
{
    int a[50],count=0,flag,n,p,i,j;
    printf("Enter the size:\n");
    scanf("%d", &n);
    printf("Enter the array:\n");
    for(i=0;i<n;i++)
    {
        scanf("%d", &a[i]);
    }
    for(i=0;i<n;i++)
    {
        p=a[i];
        flag=0;
        for(j=0;j<n;j++)
        {
            if(j!=i)
            {
                if(p==a[j])
                {
                    flag++;
                    break;
```

0.0

Open File ✓Custom I

Custom Input

```
5
7 3 5 3 7
```

Status Successfully executed Date 2020-06-08 10:50:13 Time 0 sec Mem 9,424 kB

Input

```
5
7 3 5 3 7
```

Output

```
Enter the size:
Enter the array:
No of distinct elements: 1
```