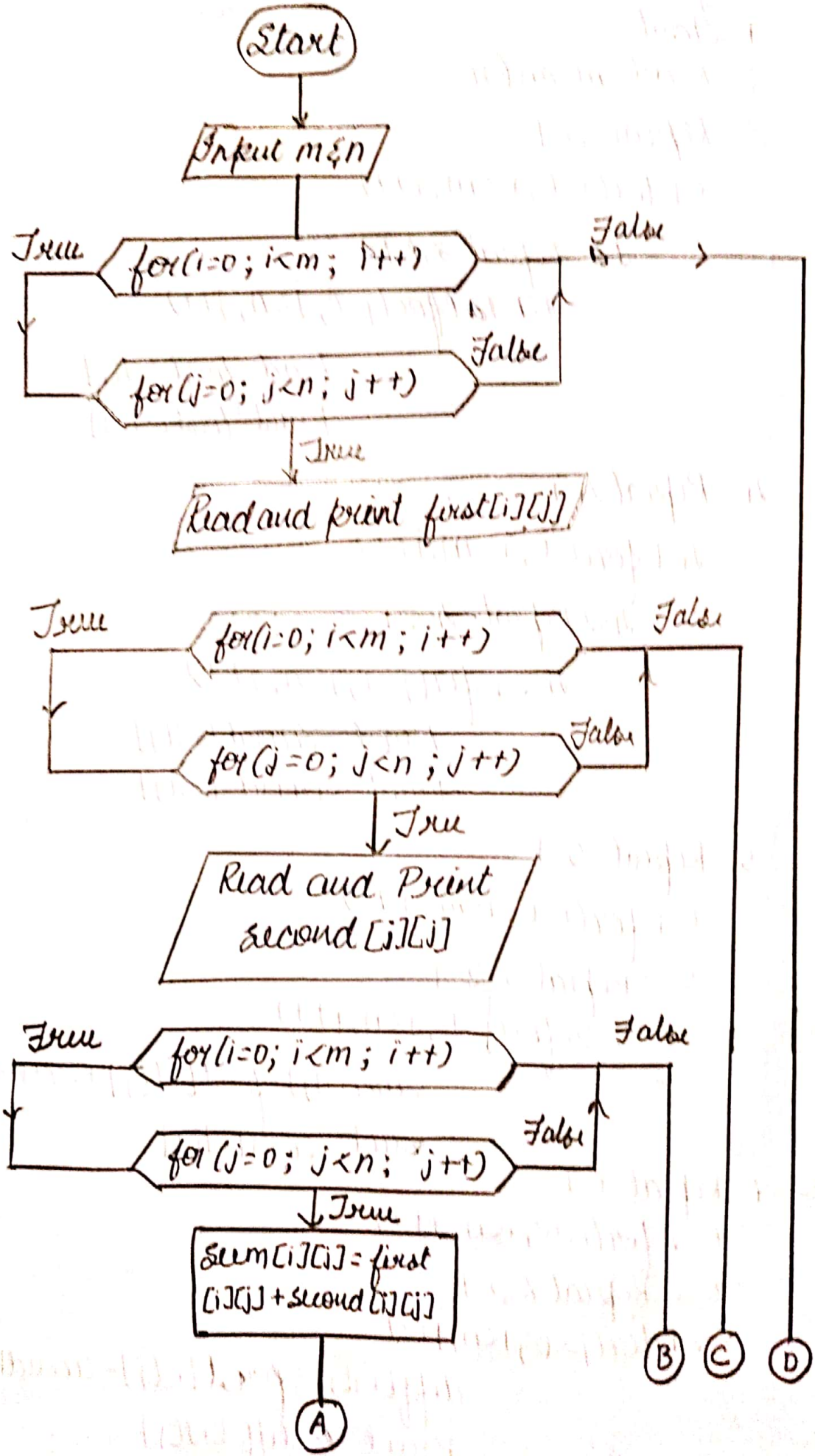
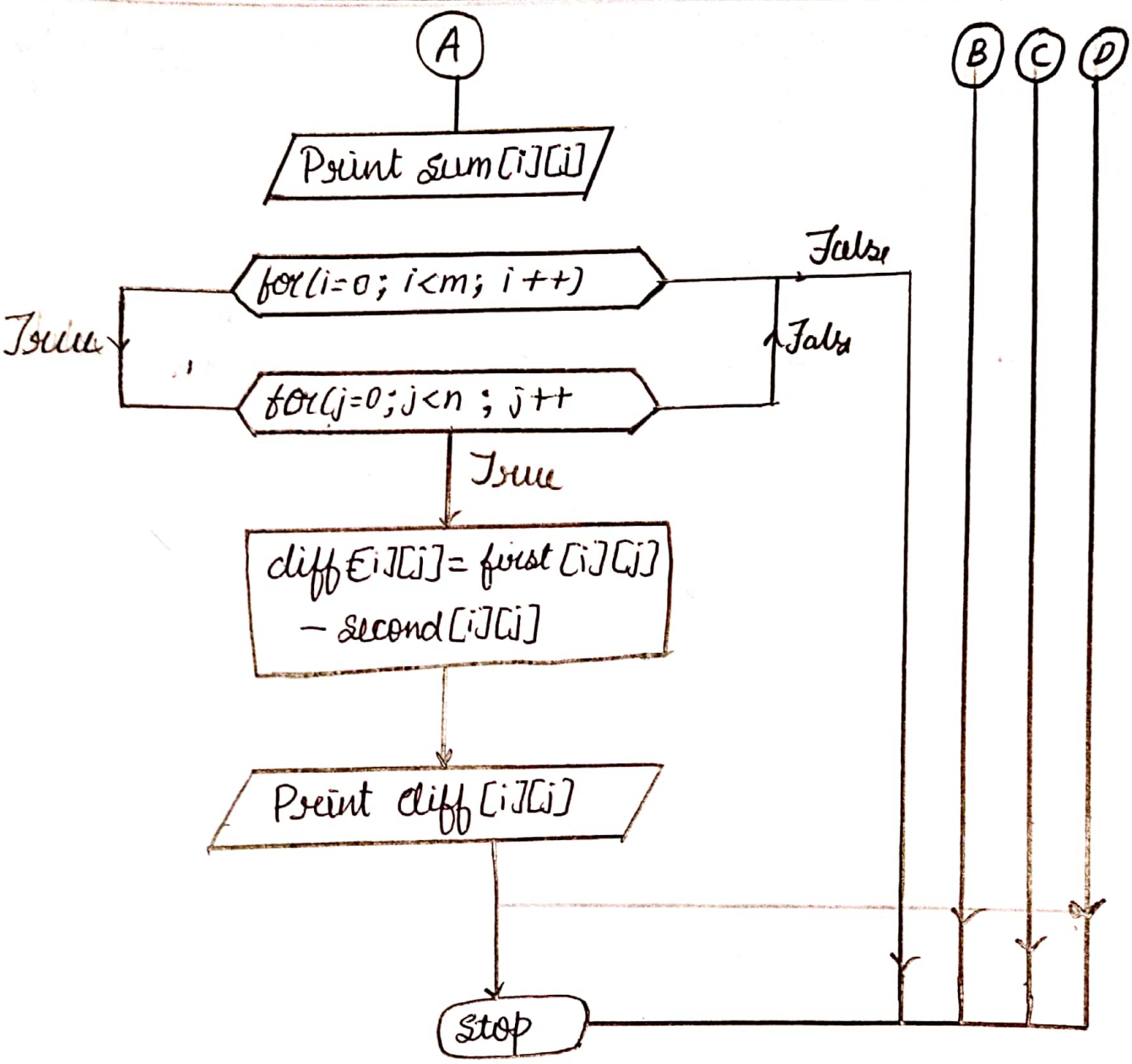
Algorithm

1. Start
2. Read m and n
3. Repeat 3.1
   - 3.1 for(i=0; i<m; i++)
     - 3.2 Repeat 3.2.1
       - 3.2.1 for(j=0; j<n; j++)
         - Read first[i][j]
         - Print first[i][j]
4. Repeat 4.1
   - 4.1 for(i=0; i<m; i++)
     - 4.2 Repeat 4.2.1
       - 4.2.1 for(j=0; j<n; j++)
         - Read second[i][j]
         - Print second[i][j]
5. Repeat 5.1
   - 5.1 for(i=0; i<m; i++)
   - 5.2 Repeat 5.2.1
     - 5.2.1 for(j=0; j<n; j++)
       - Sum[i][j] = first[i][j] + second[i][j]
       - Print sum[i][j]
6. Repeat 6.1
   - 6.1 for(i=0; i<n; i++)
   - 6.2 Repeat 6.2.1
   - 6.2.1 for(j=0; j<n; j++)
     - diff[i][j] = first[i][j] - second[i][j]
     - Print diff[i][j]

Flowchart


Start
Input m&n
for(i=0; i<m; i++)
True
False
for(j=0; j<n; j++)
False
True
Read and print first[i][j]
for(i=0; i<m; i++)
True
False
for(j=0; j<n; j++)
False
True
Read and Print second[i][j]
for(i=0; i<m; i++)
True
False
for(j=0; j<n; j++)
False
True
sum[i][j] = first[i][j] + second[i][j]
A
B
C
D


A
B
C
D
Print sum[i][j]
for(i=0; i<m; i++)
False
True
for(j=0; j<n ; j++
False
True
diff[i][j]= first[i][j]
- second[i][j]
Print diff[i][j]
Stop