Date:

Algorithm:

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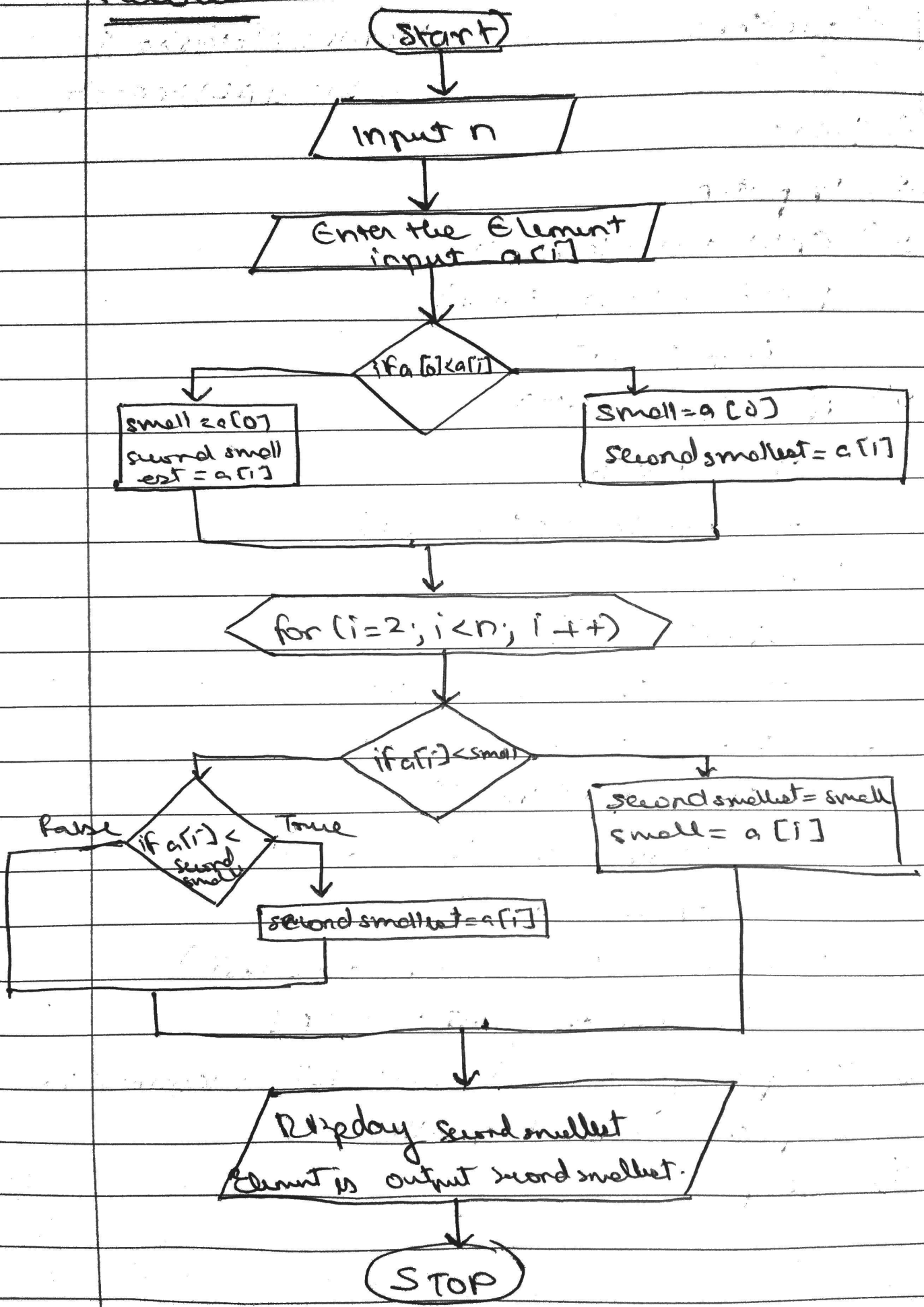
1) Start
2) Input n
3) Enter the Elements
   for(i=0; i<n; i++)
      input a[i]
4) if (a[0] < a[1])
   small = a[0]
   second smallest = a[1]
   Else
   small = a[1]
   second smallest = a[0]
5) for(i = 0; i<n ; i++)
   if (a[i] < small)
   second smallest = small
   small = a[i]
   Else if (a[P] < second smallest)
   Second smallest = a[P]
6) Display second smallest Elements is
   output second smallest
7) Stop.

# Flowchart


Start
Input n
Enter the Element input a[i]
if a[0]<a[i]
small=a[0]
second smallest=a[i]
small=a[0]
second smallest=a[i]
for (i=2; i<n; i++)
if a[i]<small
second smallest=small
small=a[i]
if a[i]<second smallest
False
True
second smallest=a[i]
Display second smallest Element is output second smallest.
STOP