- Inserting element in array.

Algorithm.

Step1 : Start.
Step2 : Read n
Step3 : Read for c=0 to n-1, Read arr[c]
Step4 : Read pos.
Step5 : Read value
Step6 : Repeat for c=n-1 to pos-1, c--
     Read arr[c+1] = arr[c]
Step7: arr[pos-1] ← val
Step8: n ← n++
Step9: Repeat for (c=0 to (n-1)
     Print arr[c]
Step10: Stop

o Flowchart.

```
                 ( Start )
                     |
                     v
              / Dead  n /
                     |
                     v
         / for (c=0; c<n; c++ /
                     |
                     v
             | Dead arr[c] |
                     |
                     v
             | Dead pos, |
             |    val    |
                     |
                     v
      / for (c = n-1; c > pos-1; c--) /
                     |
                     v
      | arr[c+1] = arr[c] |
                     |
                     v
          | arr[pos-1] = val |
          |  n++             |
                     |
                     v
         / for (c=0; c<n; c++ /
                     |
                     v
            / print arr[c] /
                     |
                     v
                 ( Stop )
```