Algorithm

Step1: start

step 2: input n.

step 3: for i=0 to n do.
   input a[i].
   [End of step 3 for loop]

step4: for i=0 to n do

step5: for j=0 to i do.
   if (a[i] == a[j])
      break
   [End of step 5 for loop]

step6: if (i==j).
   count ++
   [Endif]
   [End of step 4 for loop]

step7: && output count

step 8: stop.

Flowchart

```
        ( Start )
            |
            v
   / input n, arr[i] /
            |
            v
  [ distinct_elements ( a[], n ) ]
            |
            v
  [ for i = 0; i < n; i++ ]
            |
            v
  [ for j = 0; j < i; j++ ]
            |
            v
          < if >
      <F  a[i] == a[j] >
       |            | T
       v            v
  < if (i==j) >  [ break ]
       | T           |
       v             v
  [ count++ ]     [ stop ]
       |
       v
  [ print count ]
```