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Algorithm to count distinct no in array

→ Start

→ Declare & I/P the array element

→ Trevase the array from the begining

→ Check if the current element is found in the array again

→ If it is found, do not count that element

→ Else print the count & continue

→ Stop

Flow chart

```
                    ( Start )
                       |
                       v
              / input n, arr[:] /
                       |
                       v
          | distinct elements (arr, num) |
                       |
                       v
             | for (i=0; i<n; i++) |
                       |
                       v
             | for (j=0; j<i; j++) |
                       |
                       v
    No              / if \
   <--------------< a[i] == a[j] >
    |               \       /
    |                   | Yes
    v                   v
  / if \            | break |
 < (i==j) >             |
  \     /               |
    |                   v
    v               ( stop )
 | count++ |
    |
```