**Specification**

**Problem:** Remove zeros from set of real numbers

**Input:** Array of real numbers

**Output:** Array of real numbers without zeros

**Pseudocode:**

Start:

Read: a[i] (i = 1…N)

ile := 0

i := 1

While i < N do

if a[i] = 0

ile := ile + 1

k := i

do

a[k] := a[k+1]

k := k + 1

While k != N

Otherwise

i := i + 1

Write out a[i] (i = 1…N – ile)

Stop

**Step list**

1. Read array **a[i] (i = 1…N)**
2. Initialize variables **ile**, **i** and set the value of variable **i** to 1 and **ile** to 0.
3. Do steps 4 to 5 until variable **i** is smaller than 0
4. If **a[i]** = 0
   1. Increase the value of variable **ile** by one
   2. Initialize and set the value of variable **k** to **i**
   3. Do steps 3.3.1 to 3.3.2 until value of variable **k** is different from **N**
      1. Assign element **a[k]** the value of element **a[k + 1]**
      2. Increase the value of variable **k** by one
5. Otherwise increase the value of variable **i** by one
6. Write out array **a[i] (i = 1…N)**