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
   - 3.1. Increase the value of variable **ile** by one
   - 3.2. Initialize and set the value of variable **k** to **i**
   - 3.3. Do steps 3.3.1 to 3.3.2 until value of variable **k** is different from **N**
     - 3.3.1. Assign element **a[k]** the value of element **a[k + 1]**
     - 3.3.2. 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)**