Algorithm 3.1.19 Find the maximum, median, mean, and minimum from a set of three integers

```
1: procedure STATS(x: integer; y: integer; z: integer)
2:     a_1 ← x
3:     a_2 ← y
4:     a_3 ← z
5:     for i = 1 to 2 do                          ▷ Bubble sort a_1, a_2, a_3
6:         for j = 1 to 2 do
7:             if a_j > a_{j+1} then
8:                 swap a_j and a_{j+1}
9:             end if
10:        end for
11:    end for
12:    minimum ← a_1
13:    maximum ← a_3
14:    median ← a_2
15:    mean ← (a_1+a_2+a_3)/3
16:    return maximum, median, mean, minimum
17: end procedure
```