## Homework 2

## Problem 2.2

## **Solution:**

To instrument a code I run afl-gcc -o stats ./stats.c. Further I created a folder named input and generated 4 test cases:

```
"1 2 3\n 4 5 6\n7 8 9"
"1 2 3 4\n 4 5 6 7\n 7 8 9 10"
"1"
```

I provided expected input, and one case that is incorrect.

```
american fuzzy lop 2.52b (stats)
 run time : 0 days, 0 hrs, 36 min, 1 sec
last new path : none yet (odd, check syntax!)
last uniq crash : none seen yet
                                                                        cycles done : 10.8k
                                                                        uniq crashes : 0
  last uniq hang : none seen yet
  now processing : 1* (25.00%)
                                                      map density : 0.03% / 0.03%
paths timed out : 0 (0.00%)
                                                  count coverage : 1.00 bits/tuple
                                                  favored paths : 1 (25.00%)
 stage execs : 255/256 (99.61%)
                                                  new edges on: 1 (25.00%)
 total execs : 11.0M
 bit flips: 0/88, 0/84, 0/76
byte flips: 0/11, 0/7, 0/2
arithmetics: 0/612, 0/43, 0/0
  dictionary : 0/0, 0/0, 0/0
havoc : 0/11.0M, 0/0
                                                                       imported : n/a
stability : 100.00%
          trim : 82.22%/10, 0.00%
```