Write a program in our new assembler to write the first 10 Fibonacci numbers to port 255.
0 + 1 + 1 + 2 + 3 + 5 + 8 + 13 + 21 + 34

```
sum = 0;
current = 0;
next = 1;
while(...) {
    print to 255;
    sum = current + next;
    current = next;
    next = sum;
}
```

```
                JMP         start
sum:            0
current:        0
next:           1
limit:          10
start:          LOAD        sum
                WRITE       255
                ADD         current
                ADD         next
                STORE       sum

                LOAD        next        ; load the value of next
                STORE       current     ; store the value of next in current

                LOAD        sum         ; load the value of sum
                STORE       next        ; store the value of sum in next

                LOAD        limit       ; load the value of limit
                SUB         1           ; subtract the limit by 1
                STORE       limit       ; store the value as limit

                JLZ         start       ; checks if limit is 0 and if not jump back to start
end:            JMP         end         ; if limit is 0 end
```