EXERCICIS PAPER TEMA 11

1

```
IN   R0, KeyStatus [1]
BZ   R0, -2
IN   R0, keyData [0]

LD   R7, 0(R7)
MOVI R1, 0x1F
AND  R1, R7, R1
SHA  R1, R0, R1

IN   R2, PrintStatus [2]
BN   R2, -2
OUT  PrintData, R1
BNZ  R2, -11
```

2

```
MOVI R3, 0
MOVI R4, 0
MOVI R5, 50
MOVI R6, 25

IN   R0, keyStatus [1]
BZ   R0, -2
IN   R1, keyData [0]

CMPLE R7, R1, R6
BZ    R7, 3
CMPLE R7, R3, R1
BZ    R7, 1

ADDI  R4, R4, 1
ADDI  R5, R5, -1
BNZ   R5, -10
```