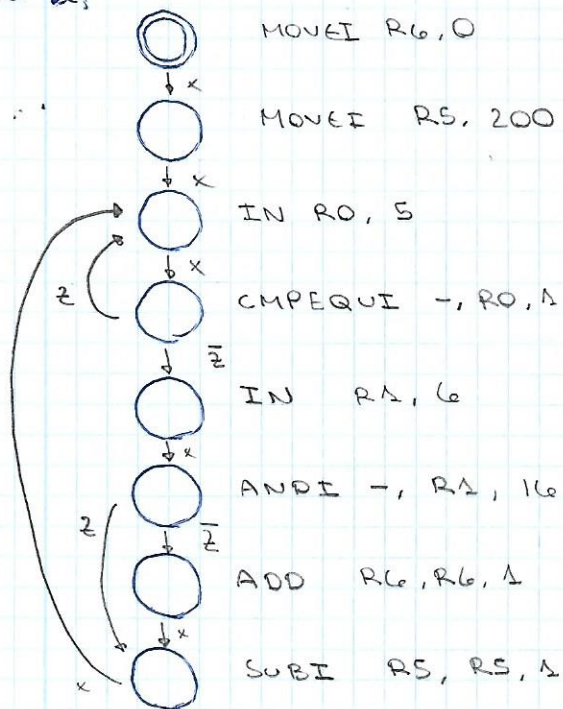


EXERCÍCIOS PAPER TEMA 10:

1

a)



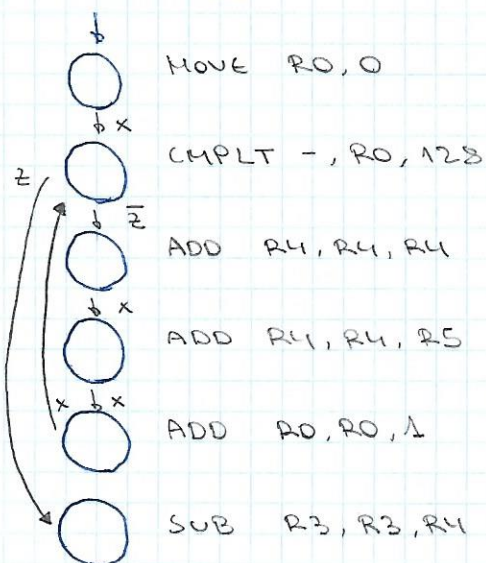
b)

MOVEI R6, 0
 MOVEI R5, 0xC8
 MOVHI R5, 0x0
 IN R0, 5
 BZ R0, -2
 IN R1, 6
 MOVEI R2, 0x10
 MOVHI R2, 0x0
 ANDI R3, R1, R2
 BZ R3, 1
 ADDI R6, R1, 1
 ADDI R5, R5, -1
 BNZ R5, -10

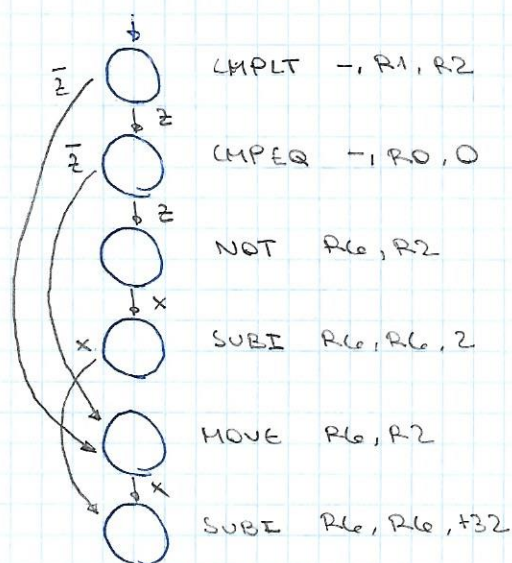
2

a)

FRAGMENTO 1



FRAGMENTO 2



b)

MOVEI R0, 0
 MOVEI R7, 0x80
 CMPLTU R7, R0, R7
 BZ R7, 4
 SHL R4, R4, R7
 ADD R4, R4, R5
 ADDI R0, R0, 1

CMPLTU R7, R2, R1
 BZ R7, 4
 BZ R0, 3
 NOT R7, R2
 ADDI R6, R7, -2
 BNZ R0, 1
 AND R6, R2, R2

3) u_{i+0}	i	$i+1$	$i+2$	$i+3$	$i+4$	$i+5$	$i+6$
PC	45A2	45A4	45A6	45A8	45AG	45AA	45AC
R1	14AC						
R2	FFFB			EB57			
R3	0235	02FE	00FE				
Wrd	1	1	1	1	0		0
F	001	010	010	111	xxx	xxx	xxx
in/Alu	0	0	0	0	xxx	xxx	xxx
MxN	0	0	1	1	1	1	x