10000111

1111 0010

1000 0010

Modify the scratch pad / stack and register file as a result of executing the following code.

.EQU VALUE = 0xF2

LSL Rd = Rd(6:0) 6 C C = Rd(7) WSP SP = Rd

. CSEG

.ORG 0x06

6 AND R3, VALUE CO

7 WSP R5 8 CALL test

9 ST R0, end A LD R2, (R7)

BRCC skip

C RET

skip: *O* PUSH R8

E SEC

FLSL R4 · C=\

NADDC RO, test

end:

12 BRN end

test: \3 POP R6

19 POP R7

1001 10010

32

Address	Value
RO	0x32 0x46
R1	DXB9 OXDF
R2	0xD1
R3	0x87 0x82
R4	9x99 0x32
R5	0x04
R6	0x55 0x09
R7	DXOT UX FF
R8	0xFA
R9	

R30	0x66
R31	0x11
Table 2: R	Register File

Address	Value
0x00	0x07
0x01	0x4C
0x02	0x81
0x03	0x21 0x09
0x04	0xFF
0x05	0x0C
0x06	0x0F
UxOT	
	= -
0xFD	0x22
0xFE	0x51
0xFF	0x29
Table 3:	Scratch Pad Memory

10111001