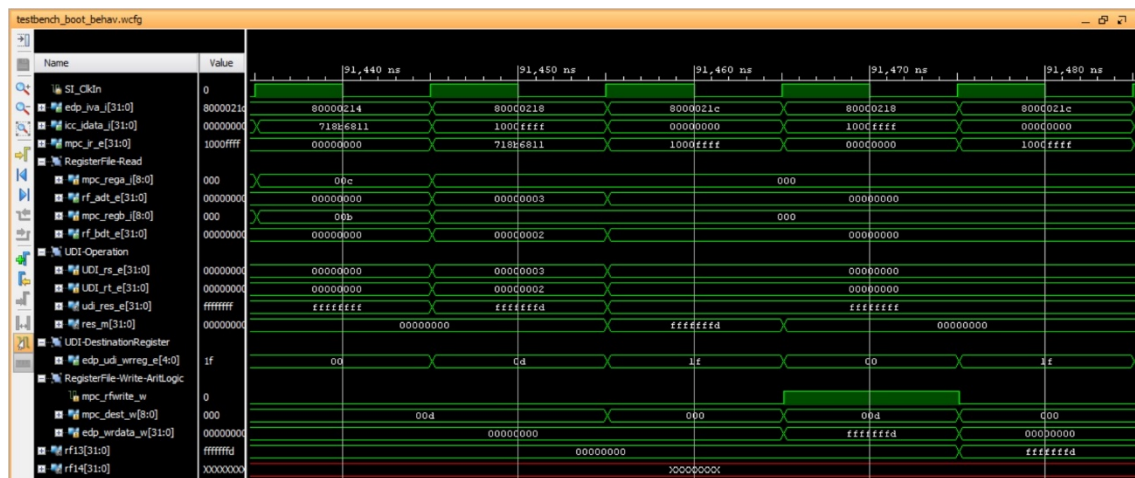


1. Simulation



2. Implementation on the board

You should see the result of the NAND operation (i.e. 0xffffffd), stored in \$t5, on the 7 Segment Displays.

When using the debugger:

mips-mti-elf-gdb -q program.elf -x C:\Users\Dani\Desktop\Scripts\Ne...

```
The target is assumed to be little endian
semihosting is enabled
JTAG tap: mAU9.cpu tap/device found: 0x00000001 (mfg: 0x000 (<invalid>), part: 0x0000, ver: 0x0)
target halted in MIPS32 mode due to debug-request, pc: 0xbfc00000
Loading section .exception_vector, size 0x200 lma 0x80000000
Loading section .text, size 0x2c lma 0x80000200
Loading section .bootrom, size 0x1b0 lma 0xbfc00000
Start address 0xbfc00000, load size 988
Transfer rate: 53 KB/sec, 329 bytes/write.
```

Program received signal SIGINT, Interrupt.

main () at main.c:23

23

(gdb) monitor reset halt

JTAG tap: mAU9.cpu tap/device found: 0x00000001 (mfg: 0x000 (<invalid>), part: 0x0000, ver: 0x0)

target halted in MIPS32 mode due to debug-request, pc: 0xbfc00000

(gdb) b *0x80000214

Breakpoint 1 at 0x80000214: file main.c, line 8.

(gdb) c

Continuing.

[Remote target] #1 stopped.

0x80000214 in main () at main.c:8

8 asm volatile

(gdb) i r

	zero	at	v0	v1	a0	a1	a2	a3
R0	00000000	00000000	00000000	80000250	00000000	00000002	80001000	00000000
	t0	t1	t2	t3	t4	t5	t6	t7
R8	80000204	00000002	00000000	00000002	00000003	00000000	00000000	00000000
	s0	s1	s2	s3	s4	s5	s6	s7
R16	9fc0013c	00000000	00000000	00000000	00000000	00000000	00000000	00000000
	t8	t9	k0	k1	gp	sp	s8	ra
R24	00000000	00000000	00000000	00000000	80008250	8003ffff	00000000	9fc001a4
	status	lo	hi	badvaddr	cause	pc		
	00000000	00000100	00000000	00000000	00000000	80000214		

(gdb) stepi

0x80000218 8 asm volatile

(gdb) i r

	zero	at	v0	v1	a0	a1	a2	a3
R0	00000000	00000000	00000000	80000250	00000000	00000002	80001000	00000000
	t0	t1	t2	t3	t4	t5	t6	t7
R8	80000204	00000002	00000000	00000002	00000003	ffffffff	00000000	00000000
	s0	s1	s2	s3	s4	s5	s6	s7
R16	9fc0013c	00000000	00000000	00000000	00000000	00000000	00000000	00000000
	t8	t9	k0	k1	gp	sp	s8	ra
R24	00000000	00000000	00000000	00000000	80008250	8003ffff	00000000	9fc001a4
	status	lo	hi	badvaddr	cause	pc		
	00000000	00000100	00000000	00000000	00000000	80000218		

(gdb)