

2.

the third task

ori r10 =3

lui r11 = 10X2^16

srl r11 = 10X2^8

srlv r11 = 10X2^5

addi r10 =2 ←test file end

bne

srlv r11 =80 ←program stop at this line

addi r10 =1

bne r11 =40

addi r10 =0

bne —finish

resolution : I find out the control(decoder output) for branchOrNot mux should also set by other instruction

Lesson learnt (if any):

1. it's hard to debug
2. be care for the #of bits
3. always @ is not like assign, the block is trigger by event
4. thought all of details then start to write code
5. when debugging simulate each step of the mips instruction to see when goes wrong
6. Add Addi or Or Ori in implementation is very similar, the difference is only the write back register