6,5,5,5,5,6

6,5,5,16

6,26

addi $s0, $v0, 0#save number 8,v0,s0,0 8,2,16,0

addi $s1, $s0, 1 8,s0,s1,1 8,16,17,1

while0:

addi $a0, $s1, 0 8,s1,a0,0 8,17,4,0

jal checkPrime 2,\*\*\* 2,\*\*\*

bne $v0, 0, Exit0 5,v0,0,\*\*\* 5,2,0,\*\*\*

addi $s1, $s1, 1 8,s1,s1,1 8,17,17,1

j while0 2,\*\*\* 2,\*\*\*

Exit0:

addi $s2, $s1, 0 8,s1,s2,0 8,17,18,0

subi $s1, $s0, 1 8,s0,s1,ffff 8,16,17,ffff

while1:

addi $a0, $s1, 0 8,s1,a0,0 8,17,4,0

jal checkPrime 2,\*\*\* 2,\*\*\*

bne $v0, 0, Exit1 5,v0,0,\*\*\* 5,2,0,\*\*\*

subi $s1, $s1, 1 8,s1,s1,ffff 8,17,17,ffff

j while1 2,\*\*\* 2,\*\*\*

Exit1:

checkPrime:

addi $t0, $zero, 2 8,0,t0,2 8,0,8,2

while0\_cP:

mul $t1, $t0, $t0 0,t0,t0,t1,0,24 0,8,8,9,0,24

bgt $t1, $a0, Exit0\_cP 7,t1,a0,\*\*\* 7,9,4,\*\*\*

div $t1, $a0, $t0 0,a0,t0,t1,0,26 0,4,8,9,0,26

mul $t1, $t1, $t0 0,t1,t0,t1,0,24 0,9,8,9,0,24

bne $a0, $t1, Else0\_cP0 5,a0,t1,\*\*\* 5,4,9,\*\*\*

addi $v0, $zero, 0 8,0,v0,0 8,0,2,0

jr $ra 2,\*\*\* 2,\*\*\*

Else0\_cP0:

addi $t0, $t0, 1 8,t0,t0,1 8,8,8,1

j while0\_cP 2,\*\*\* 2,\*\*\*

Exit0\_cP:

addi $v0, $zero, 1 8,0,v0,1 8,0,2,1

jr $ra 2,\*\*\* 2,\*\*\*