



instruction	required in perf	lab1	lab2	lab3	lab4
lui	x	x			
addu	x	x			
addiu	x	x			
beq	x	x			
bne	x	x			
lw	x	x			
or	x	x			
slt	x	x			
slti	x	x			
sltiu	x	x			
sll	x	x			
sw	x	x			
j	x	x			
jal	x	x			
jr	x	x			
add					x
addi	x	x			
sub					x
subu	x	x			
sltu	x	x			
and	x	x			
andi	x	x			
nor	x	x			
ori	x	x			
xor	x	x			
xori	x	x			
sllv			x		
sra	x	x			
srav			x		
srl	x	x			

instruction	required in perf	lab1	lab2	lab3	lab4
srlv			x		
bgez	x		x		
bgtz	x		x		
blez	x		x		
bltz	x		x		
bltzal			x		
bgezal	x		x		
jalr	x		x		
div	x			x	
divu	x			x	
mult	x			x	
multu				x	
mfhi	x			x	
mflo	x			x	
mthi				x	
mtlo				x	
lb	x		x		
lbu	x		x		
lh	x		x		
lhu	x		x		
sb	x		x		
sh	x		x		
syscall	x				x
break	x				x