

Instruction Count Table for Exercise 1 (sort.s)

<u>INSTRUCTION CATEGORY</u>	<u>MIPS EXAMPLES</u>	<u>CPI</u>	<u>FREQUENCY</u>
ARITHMETIC 1	add,sub,addi,addu	1.0	1501
ARITHMETIC 2	mult, multu	5.0	381
ARITHMETIC 3	div,divu	7.0	0
DATA TRANSFER	lw,sw,lui	2.0	2445
CONDITIONAL BRANCH	beq,bne,slt,slti	1.5	1343
JUMP	j,jal,jr	1.2	593
OTHERS	ori,syscall,mflo,mfhi	1.0	1317
TOTAL NO. OF INSTRUCTIONS			7580