

For each of the following program segments, execute the program one instruction at a time. At the end of each instruction execution, indicate any changed in registers, condition flags, and/or memory locations. Note that the result of any instruction may be an operand for succeeding instructions.

	N	Z	V	C	D2	A2		
	0	0	1	1	AAAA 0000	8888 8888	00A000	44
MOVEA.W #A000,A2							00A001	44
MOVE.W #\$2233,D2							00A002	44
MOVE.L D2,(A2)							00A003	44
							FFA000	44
							FFA001	44
							FFA002	44
							FFA003	44

	N	Z	V	C	D1	A1		
	0	1	0	0	1111 1100	0000 1104	001100	61
MOVE.W (A1)+,-4(A1)							001101	62
MOVE.L -(A1),D1							001102	63
							001103	64
							001104	71
							001105	72
							001106	73
							001107	74

	N	Z	V	C	D4	A4		
	1	0	0	1	BBBB 0002	0000 0100	000100	E1
MOVE.W (A4),4(A4,D4.W)							000101	E2
ADDI.W #\$406,D4							000102	E3
MOVE.W \$0104,2(A4)							000103	E4
							000104	F1
							000105	F2
							000106	F3
							000107	F4

	N	Z	V	C	D3	PC		
	0	1	1	1	1111 1111	0000 00FA	000100	58
MOVE.W \$8(PC),D3							000101	57
MOVE.W -4(PC,D3.W),\$100							000102	56
							000103	55
	1	0	1	1	1111 0102	0000 0006	000104	54
							000105	53
							000106	52
							000107	51