MOVE

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	0	SIZE		DESTINATION			MODE			SOURCE					
				REGISTER			MODE			MODE			REGISTER		

MOVEA

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	0	SIZE		DESTINATION			0	0	1	SOURCE					
				REGISTER						MODE			REGISTER		

MOVEM

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	1	0	0	1	dr	0	0	1	SIZE	EFFECTIVE ADDRESS					
										MODE			REGISTER		
REGISTER LIST MASK															

ADD

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1	1	0	1	REGISTER			OPMODE			EFFECTIVE ADDRESS					
										MODE			REGISTER		

ADDA

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1	1	0	1	REGISTER			OPMODE			EFFECTIVE ADDRESS					
										MODE			REGISTER		

SUB

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1	0	0	1	REGISTER			OPMODE			EFFECTIVE ADDRESS					
										MODE			REGISTER		

SUBQ

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	1	0	1	DATA			1	SIZE		EFFECTIVE ADDRESS					
										MODE			REGISTER		

MULS

WORD

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1	1	0	0	REGISTER			1	1	1	EFFECTIVE ADDRESS					
										MODE			REGISTER		

DIVS, DIVSL

LONG

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	1	0	0	1	1	0	0	0	1	EFFECTIVE ADDRESS					
										MODE			REGISTER		
0	REGISTER Dq			1	SIZE	0	0	0	0	0	0	0	REGISTER Dr		

DIVS, DIVSL

WORD

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1	0	0	0	REGISTER			1	1	1	EFFECTIVE ADDRESS					
										MODE			REGISTER		

LEA

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	1	0	0	REGISTER			1	1	1	EFFECTIVE ADDRESS					
										MODE			REGISTER		

ORI

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	0	0	0	0	0	0	0	SIZE		EFFECTIVE ADDRESS					
										MODE			REGISTER		
16-BIT WORD DATA								8-BIT BYTE DATA							
32-BIT LONG DATA															

OR

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1	0	0	0	REGISTER			OPMODE			EFFECTIVE ADDRESS					
										MODE			REGISTER		

NEG

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	1	0	0	0	1	0	0	SIZE		EFFECTIVE ADDRESS					
										MODE			REGISTER		

EOR

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1	0	1	1	REGISTER			OPMODE			EFFECTIVE ADDRESS					
										MODE			REGISTER		

LSL, LSR

MEMORY SHIFT

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1	1	1	0	0	0	1	dr	1	1	EFFECTIVE ADDRESS					
										MODE			REGISTER		

ASL, ASR

MEMORY SHIFT

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1	1	1	0	0	0	0	dr	1	1	EFFECTIVE ADDRESS					
										MODE			REGISTER		

ROL, ROR

MEMORY ROTATE

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1	1	1	0	0	1	1	dr	1	1	EFFECTIVE ADDRESS					
										MODE			REGISTER		

BCLR

BIT NUMBER DYNAMIC, SPECIFIED IN A REGISTER

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	0	0	0	REGISTER			1	1	0	EFFECTIVE ADDRESS					
										MODE			REGISTER		

CMP

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1	0	1	1	REGISTER			OPMODE			EFFECTIVE ADDRESS					
										MODE			REGISTER		

CMPI

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	0	0	0	1	1	0	0	SIZE		EFFECTIVE ADDRESS					
										MODE			REGISTER		
16-BIT WORD DATA								8-BIT BYTE DATA							
32-BIT LONG DATA															

Bcc

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	1	1	0	CONDITION				8-BIT DISPLACEMENT							
16-BIT DISPLACEMENT IF 8-BIT DISPLACEMENT = $00															
32-BIT DISPLACEMENT IF 8-BIT DISPLACEMENT = $FF															

BRA

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	1	1	0	0	0	0	0	8-BIT DISPLACEMENT							
16-BIT DISPLACEMENT IF 8-BIT DISPLACEMENT = $00															
32-BIT DISPLACEMENT IF 8-BIT DISPLACEMENT = $FF															

RTS

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	1	0	0	1	1	1	0	0	1	1	1	0	1	0	1

JSR

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	1	0	0	1	1	1	0	1	0	EFFECTIVE ADDRESS					
										MODE			REGISTER		