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	CMPB	5	2	2	5	4	2		_	2 .	ū	50	2		-	V	Compare 1/4 from 8	-	-	-
	CMPD	2 8	n	4	2 8	-	9	9 5	:	3*	0 5	00	=	_			Compare M M + 1 from D	_	-	_
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CC A MMA CC Was for tensors	Documal Adjust A	B 1-B	W-124 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	n1-82 <sup>2</sup>	A+1-A B+1-B	EA3 - PC	Jump to Subroutine	M-A M-B WM-1-D MM-1-S	MM MANA	EA3-5 EA3-U EA3-Y EA3-Y			Description	0-40 11 11 14 15 15 15 15 15 15 15 15 15 15 15 15 15	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	A * B - D (Unsigned)	M + 1 - 8	A V M - A B - V M - B C V MM + C	Push Registers on S Stack Push Registers on U Stack	Pull Registers from S Stack Pull Registers from U Stack		目	rupt	A-M-C-A B-M-C-B	Sgn Extend B mto A		Description A = M B = M D = M M = 1 S = M M = 1		A-M-A 8-M-8 0-MM+1-D	Software Interrupt 1 Software Interrupt 2		RI – R2 <sup>2</sup> Test A Test B
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5		DECA	EORA	R1. A2	NCB	181		100 S	PAX A	LEAS LEAU LEAX LEAX			Forms	121	LSRA LSRB LSR	NEGA	NEG	CRA ORB CRCC	PSHS	PULS	ROLA ROLB	RORB		SBCA	2		STA STB STD STS	STC	SUBA SUBB SUBB	SWIZ	SWIGS	157A 157A 157B
CMAI	DAA	DEC	FOR	EXG	N N	JWD	JSR	9		LEA			Instruction		LSR	MUL	NOF	OR	РSН	Pui	ROL	ROR	RTS	Sac	XIS		ST		SUB	SWI	SYNC	TST

	SUBA SUBB SUBD	888	224	240	888	440	~~~	888	4 4 4 4	:::	83 83	5 2 2	200
E	SWIZ SWIZ SWIZ SWIZ												
NC NC						Ī		100			10		
	R1, R2	14	9	2		П		1					
	TSTA TSTB TST				8	9	2	•9 Q9	6 +	2+	7	7	(7)
	Do do 1 - + 1 •	od: Operation Number Number Anthme Anthme Multiply	Operation Code (Hexadecimus) Operation Code (Hexadecimus) Number of Program Brites Antihmetic Pluss Multiply Multiply	Code (I MPU Progra Plus Minus	Cyck am B	odecin lyles	19		12 IIZN>U	Comp Trans Half- Nega Zero Overt Carry	Complement Transfer Into Half-carry fin Negative Isig Zero Result Overflow, 2s Carry from A	Complement of M Transfer Into Halt-carry from bit Negative Sign bit) Zon Result Overflow, Ze compil Carry from ALU	M de light
The Coll. The 8 bit The 16 bit The 16 bit The 16 bit The PSH SWI settle Condition Value of Special (	The column quest bear oct of any parent (16 bits in that it can be find the count. Just the size of the size bear oct of any parent (16 bits in spiziors).  The 3 bit impassion as A. B. C. C. D. Perror (16 bits inspiziors).  The 3 bit impassion as A. B. C. D. P. C. A. S. D. P. C.	a base any pa ane A, are A, are A, are A, are Mstruckets SV set as a tag is any set as any set	Br. of 18. C. Y. L. Y. L	S bit of S b	D. P. P. P. D. P.	r pair count count the r	of 16 plus affect struct	1 Cy 1 Lan	egist d F.	ers.	10 E	dd the	ev bo

# - - - - -58 8 8 NN # 2 # 2 # 2 Q Q

- . 8 > < >

5 - M W4 B B P B

1			1_	1		_	12	1	_	12	_	2		10
	. 1	~	1	4	7	4	4	7		9		9	4	a
Indirect	Postbyte	18810100	to 8-bit	18811000	1RR11001	18810110	1RR10101	1RR11011	pawo	1RR10001	owed	1RR10011	1XX11100	1XX11101
th.	Assembler	[.R.]	defaults to 8-bit	[n. R]	(n, R)	[A. R]	(8. R)	[O, R]	not allowed	[,R++]	not allowed	(R)	In, PCRI	lo oco
	+ 11		0	-	2	0	0	0	0	0	2 0	0	-	0
	× 1	0	-	-	4	-	-	4	2	3	2	m		u
Non Indirect	Postbyte OP Code	18800100	ORRnnnn	1RR01000	18801001	1RR00110	18800101	118801011	1RR00000	1RR00001	1RR00010	1RR00011	1XX01100	1XX01101
No	Assembler	æ	n, R	n. R	n, R	A. R	B. B.	D. R	.B.	. H.	R	H	n, PCR	n PCR
	Forms	No Offset	5 Bit Offset	8 Bit Offset	16 Bit Offset	A Register Offset	B - Register Offset	D - Register Offset	Increment By 1	Increment By 2	Decrement By 1	Decrement By 2	8 Bit Offset	16 Bit Offset
	Type	Constant Offset From R	(twos complement offset)			Accumulator Offset From R	(twos complement offset)		Auto Increment / Decrement R				Constant Offset From PC	(twos complement offset)

1 2 0 - 1 0 0 0 0 - 1 1

		8	dress	8				
		· C	Mode	Τ.		60	m	~
-	Forms	ô	1	-	Description	×	Z	2
BCC	BCC	24	3	2	Branch C = 0	•	•	
	2007	2 2	Sie	4	Long Branch	•		•
BCS	BCS	R	3	2	Bugner C=1	•	ŀ	
	LBCS	2 %	2,6	4	Long Branch	•	•	•
BEO	BEO	27	9	2	Branch 2 m 1		•	
	1860	3.0	26	4	Long Branch	•	•	
358	BGE	20	3,65	W 4	Branch & Zero Long Branch & Zero	• •		
		20	1			I		-
	1867	20 22	E 60 m	N 4	Branch > Zero Long Branch > Zero		• •	
- Ken	1841	252	5.60	W 4	Branch Higher Long Branch Higher			
BHS	SHS	24	6	2	Branch Higher	۰		•
	LBHS	5 %	5/6	4	Long Branch Higher or Same	٠		
BLE	BLE	25	3	2	Branch & Zero	•	•	100
	IBLE	27	200	4	Long Branch s Zero	•		
970	810	K P	5161	24	Branch lower	•	•	
		NG.						

	MI	NN	->
Control   Cont	I	N	
81.5   73   2   84-57   10-5			
181.5   19   500 4   400 9 304 4   400 9 3			
10 c			
BLT 2D 3 2 18LT 10 566 4 18M1 28 3 2 18M2 20 566 4 18 56 4 20			
18M1 28 3 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
BMI 28 3 2 LBMI 28 3 2 BME 26 3 2 LBME 26 3 2			
BM1 28 3 2 LBM1 10 5/6/ A 8NE 26 3 2 LBNE 76 4			
BNE 28 3 2 1881 28 10 560 4			
8NE 26 3 2 1.8NE 10 5461 4			
1.8NE 10 5-61 4		٠	
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17 9	. 01	Ė	•
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LBVC	<u>:</u>	٠	:
2 2 2	-	i	-
LBVS 10 5/61 4 Long B/m	:	٠	•

	NCH	o	36
N (9)	BRAI	False	2 10
- 6	ONAL ES 1-4	o	36
3 72	GNED CONDITIONAL BRANCH (NOTES 1-4)	True	BCT
LBSR	GNED C	Test	mer

ı	BLE 2F			
	2E			
200	BGT	BGE	038	816
ı				

36	26	20
BNE	BGT	BGE
27	2F	20
950	BLE	BLT

BRANCE	OP	23	8	8	77	24
	False	BLS	910	BNE	ВНІ	BHS
NOTES 1.	do	22	24	27	23	×
CONDITIONAL (NOTES 1-4)	True	BHI	BHS	BEO	BLS	BIO
NSIGNED	Test	17 E	EN	r= m	ES.	rem

- 1 All conditions