Priority	Category	Name	Code	Range	Size	1	Add	ressing	Opcod	de l	Instruction	Mo D S	R/M	Reg	Byte 3	Byte 4	Byte 5	Byte 6
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					_	D	+	[Disp8]			0 0 0 0 0 1)	Dest	Disp8	late10		
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				Zero Page	16	Register16	←	[Disp8] H			0 0 0 0 0 1 0 0 0 0 0 1			Dest Source	Disp8			
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Low					16	Immediate16	\rightarrow	[Disp8] N		- 1-	0 0 0 0 1 1				Disp8		diate16	
								[Disp16] N			0 0 0 0 0 1 0 0 0 0 0 0			Dest Dest	Disp	016		
Core					8	Register8	+	[Reg16] H		-	0 0 0 0 0 0			Dest	Disp8			
				Near				[Reg16 + Disp16] N	00 2 0	0 0	0 0 0 0 0 0	0 0 0	Base	Dest	Disp	16		
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Med						Immediate8	\rightarrow	[Reg16] H		- 1	0 0 0 0 1 0 0 0 0 0 1 0				Immediate8 Disp8	Immediate8		
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				_	8			Register8		-	0 0 1 0 0 0	\rightarrow		Dest				
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High		Out	OUT	Near	16	Register6	\rightarrow	Port(Disp8)		,	1 1 1 0 1 1		Disp					
		Load Effective		Short	8	Register8	+	Reg8 + Disp8		-	0 0 0 0 1 0			Dest	Disp8			
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								[Disp16]		1 0 0			-		Source		sp16		
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i iigii								[Reg16 + Disp16]		1 0 0					Source		sp16		
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				Near				Immediate16		1 0 0					Dest		diate16		
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Med				Page	16	Register16	-→	[Disp8]		0 1 0			-		Source		1		
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								Immediate8		0 1 0	-		-		Dest	Immediate8			
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		Subtract	SUB					[Disp16] I		0 1 0			- 1			-	sp16	Immedia	te8
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								[Reg16 + Disp16]		0 1 0							p16	Immedia	te8
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							, -	[Reg16] N		0 1 0					Dest				
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						Register16	->	[Reg16 + Disp8]		0 1 0			-		Source				
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						Immediate16	->	[Reg16]		0 1 0			- i				diate16		
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24				Zero	10	Destate 12	← -	[Disp8] N		0 1 0			•		Dest	Disp8			
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med					16	Immediate16	->	[Disp8] N								Disp8		Immediate16	
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								[Reg16 + Disp8]		0 1 0					Dest	Disp8			
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						vegistel 10	-7	[Reg16 + Disp8]						Base					
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				Zero	8		[r	Disp8]	200X					Disp8			<u></u>		
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Med			Page	16		[[Disp8]		0 0 1 1			Disp8			
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High				8					0 0 1 1			Base	Dis	016	
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Med				16					0 0 1 1			Base			
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					[N 3421 M 6430	0 0 1 1 0 1 1 0				Dest	Disp16 Disp8	
High				8	Register8	←-			0 1 1 0				Source	Disp8	
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							[Reg16 + Disp8]	M 6010	0 1 1 0	0 0 0	1 0 0	Base	Dest	Disp8	
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9.1									0 1 1 0		-i		Source	Disp16	Immediate ^Q
	Compare	CMP			Inc		[Disp16] [Reg16]		0 1 1 0 0 1 1 0		-i			Disp16 Immediate8	Immediate8
					Immediate8	->	[Reg16 + Disp8]	L 6812	0 1 1 0	1 0 0	1 1 0	Base		Disp8 Immediate8	
			Near				[Reg16 + Disp16]	L 6822	0 1 1 0		!	Base	D	Disp16	Immediate8
								M 64 2 1 M 60 3 1	0 1 1 0 0 1 1 0		-	Source	Dest Dest	Immediate16	
					Register16	← -			0 1 1 0		0 0 1	330100	Dest	Disp16	
					Register16	<u> </u>	[Reg16]		0 1 1 0			-	Dest	Div.2	
								M 60 1 1 H 60 2 1	0 1 1 0 0 1 1 0				Dest Dest	Disp8 Disp16	
				1.0					0 1 1 0				Source	Disp16	
Med				16	Register16	->	[Reg16]	M 6003	0 1 1 0				Source		
					register 10	,			0 1 1 0				Source	Disp8	
							[Reg16 + Disp16] [Disp16]		0 1 1 0 0 1 1 0				Source	Disp16 Disp16	Immediate16
					Immediate16		[Reg16]		0 1 1 0					Immediate16	
					iiiiiiediate10		[Reg16 + Disp8]		0 1 1 0					· · · · · · · · · · · · · · · · · · ·	diate16
						←	[Reg16 + Disp16] [Disp8]		0 1 1 0 1 0		-!-		Dest	Disp16 Disp8	Immediate16
High					Register8	\rightarrow			1 0 1 0				Source	Disp8	
Med			Zero	8	Register16	←			1 0 1 0		-		Dest	Disp8	
			Page		Immediate8	\rightarrow			1 0 1 0 1 0 1 0		- i		Source	Disp8 Immediate8	
Med					Immediate8				1 0 1 0 1 0 1 0						diate16
							Immediate8	L A410	1 0 1 0	0 1 0	1 0 0		Dest	Immediate8	
Core							Register8 [Disp16]		1 0 1 0 1 0 1 0				Dest Dest	Disp16	
					Register8	←			1 0 1 0		- i -		Dest	Displo	
							[Reg16 + Disp8]	L A010	1 0 1 0				Dest	Disp8	
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				8	Decision of		[Disp16] [Reg16]		1 0 1 0 1 0 1 0				Source Source	Pishto	
High					Register8	\rightarrow	[Reg16 + Disp8]	L A012	1 0 1 0	0 0 0	1 1 0	Base	Source	Disp8	
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						1	[Disp16] [Reg16]		1 0 1 0		: າ ⊢ ∩			nishto	Immediate9
	And	AND			laren di e			L A802	1010	1 0 0				Immediate8	Immediate8
	And	AND			Immediate8	\rightarrow	[Reg16 + Disp8]	L A812	1 0 1 0	1 0 0 1 0 0	0 1 0 1 1 0	Base Base		Immediate8	
	And	AND	Near		Immediate8	\rightarrow	[Reg16 + Disp8] [Reg16 + Disp16]	L A812 L A822	1 0 1 0 1 0 1 0	1 0 0 1 0 0 1 0 1	0 1 0 1 1 0 0 1 0	Base Base Base	Dest	Immediate8 Immediate8 Disp8 Immediate8 Disp16	Immediate8
	And	AND	Near		Immediate8	\rightarrow	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16	L A812 L A822 L A421	1 0 1 0	1 0 0 1 0 0 1 0 1 0 1 1	0 1 0 1 1 0 0 1 0 0 0 1	Base Base Base	Dest Dest	Immediate8	
	And	AND	Near				[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16]	L A812 L A822 L A421 L A031 L A401	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 0 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0	0 1 0 1 1 0 0 1 0 0 0 1 1 0 1 0 0 1	Base Base Base Source	Dest Dest	Immediate8 Immediate8 Disp8 Immediate8 Disp16	
	And	AND	Near		Immediate8	→	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16]	L A8 1 2 L A8 2 2 L A4 2 1 L A0 3 1 L A4 0 1 M A0 0 1	1 0 1 0 1 0 1 0	1 0 0 1 1 0 1 0 1 0 1 1 0 1 1 0 0 1 1 0	0 1 0 1 1 0 0 1 0 0 0 1 1 0 1 0 0 1	Base Base Base Source Base	Dest Dest Dest	Immediate8 Disp8 Immediate8 Disp16 Immediate16 Disp16	
	And	AND	Near				[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8]	L A812 L A822 L A421 L A031 L A401	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 0 0 1 1 0 0 1 0 1 0 1 1 0 0 1 1 0 0 1 0	0 1 0 1 1 0 0 1 0 0 0 1 1 0 1 0 0 1 0 0 1 1 0 1	Base Base Base Source Base Base	Dest Dest	Immediate8 Disp8 Immediate8 Disp16 Immediate16	
Med	And	AND	Near	16			[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16]	L A812 L A822 L A421 L A031 L A401 M A001 L A011 M A021 L A403	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0	0 1 0 1 1 0 0 1 0 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1	Base Base Base Source Base Base Base Base	Dest Dest Dest Dest Dest Source	Immediate8 Disp8 Immediate8 Disp16 Immediate16 Disp16 Disp8 Disp8	
Med	And	AND	Near	16			[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16]	L A812 L A822 L A421 L A031 L A401 M A001 L A011 M A021 L A403 L A403	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 0 0 0 1 0 1 0 1 0 1 0 0 1 0 0 0 0 0 0	0 1 0 1 1 0 0 1 0 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Source	Immediate8 Disp8 Immediate8 Disp16 Immediate16 Disp16 Disp8 Disp8 Disp16 Disp16 Disp16	
Med	And	AND	Near	16	Register16	←	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16]	L A8 1 2 L A8 2 2 L A4 2 1 L A0 3 1 L A4 0 1 M A0 0 1 L A0 1 1 M A0 2 1 L A4 0 3 L A0 0 3 L A0 1 3	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0	0 1 0 1 1 0 0 1 0 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 1 0 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Source	Immediate8 Disp8 Immediate8 Disp16 Immediate16 Disp16 Disp8 Disp16	
Med	And	AND	Near	16	Register16	←	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16]	L A8 1 2 L A8 2 2 L A4 2 1 L A0 3 1 L A4 0 1 M A0 0 1 L A0 1 1 M A0 2 1 L A4 0 3 L A0 0 3	1 0 0	1 0 0 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 1 1 1 0 1 0 1 1 1 1 1 0 1 1 0 1 1 1 1 1 0 1 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 0 1 1 1 1 1 0 1	0 1 0 1 1 0 0 1 0 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 1 1 1 0 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Source Source	Immediate8 Disp8 Disp16 Immediate16 Disp16 Disp16 Disp8 Disp16	
Med	And	AND	Near	16	Register16	←	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16]	L A8 1 2 L A8 2 2 L A4 2 1 L A0 3 1 L A4 0 1 M A0 0 1 L A0 1 1 M A0 2 1 L A4 0 3 L A0 0 3	1 0 0	1 0 0 1 1 0 1 1 0 1 1 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0 1 0 1 1 1 1 1 1 0 1 1 1 0 1 1 1 1 0 0 1 1 0 0 1 1 0 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 1 0 0 1	0 1 0 1 1 0 0 1 0 0 0 1 1 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 1 1 1 1 1 0 1 1 0 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Source Source	Immediate8 Disp8 Disp16 Disp8 Disp16 Disp8 Disp16	Immediate8
Med	And	AND	Near	16	Register16 Register16	←	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16]	L A8 1 2 L A8 2 2 L A4 2 1 L A0 3 1 L A4 0 1 M A0 0 1 L A0 1 1 M A0 2 1 L A4 0 3 L A0 0 3	1 0 0	1 0 0 1 1 0 1 1 0 1 1 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 1 1 1 1 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 0 1	0 1 0 1 1 0 0 1 0 0 0 1 1 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Source Source	Immediate8 Disp8 Disp16 Disp8 Disp16 Disp8 Disp16	Immediate8
	And	AND	Near	16	Register16 Register16 Immediate16	←	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp8]	L A8 1 2 L A8 2 2 L A4 2 1 L A0 3 1 L A4 0 1 M A0 0 1 L A0 1 1 M A0 2 1 L A0 0 3 L A0 0 3 L A0 0 3 L AC 0 3 L AS 2 3 M D4 3 0	1 0 1	1 0 0 0 1 1 0 1 1 0 1 0 1 0 0 0 0 0 0 0	0 1 0 0 1 0 1 0 1 0 1 0 1 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Source Source Source Dest	Immediate8 Disp8 Disp16 Disp16 Disp8 Disp16	Immediate8 Immediate16 Idate16
Med High	And	AND		16	Register16 Register16	← → ← →	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16]	L A8 1 2 L A8 2 2 L A4 2 1 L A0 3 1 L A4 0 1 M A0 0 1 L A0 1 1 M A0 2 1 L A0 0 3 L A0 0 3 M D4 3 0 M D4 3 2	1 0 1 1	1 0 0 0 1 1 0 1 1 0 0 1 1 0 0 0 0 0 0 0	0 1 0 0 1 1 0 0 1 1 1 0 0 1 1 0 1 1 0 1 1 0 1 1 1 0 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Source Source Source Source Source Source Source Source	Immediate8	Immediate8 Immediate16 Idate16
	And	AND	Near Zero Page	16	Register16 Register16 Immediate16	←	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16]	L A8 1 2 L A8 2 2 L A4 2 1 L A0 3 1 L A4 0 1 M A0 0 1 L A0 1 1 M A0 2 1 L A4 0 3 L A0 0 3 L A0 1 3 L A0 2 3 L A0 2 3 L A8 2 3 M D4 3 0 M D4 3 2 M D4 3 1	1 0 1	1 0 0 0 1 1 0 1 1 0 0 1 1 0 0 0 0 0 0 0	0 1 0 0 1 1 0 0 1 1 1 0 0 1 1 0 1 1 0 1 1 1 0 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Source Source Source Dest	Immediate8 Disp8 Disp16 Disp16 Disp8 Disp16	Immediate8 Immediate16 Idate16
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High Med Med	And	AND	Zero		Register16 Register16 Immediate16 Register8 Register16 Immediate8	← ← ← ← → ← →	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Disp8] [Reg16] [Reg16] [Reg16] [Reg16]	L A8 1 2 L A8 2 2 L A4 2 1 L A0 3 1 L A4 0 1 M A0 0 1 L A0 1 1 M A0 2 1 L A4 0 3 L A0 0 3 L A0 0 3 L A0 0 3 L A0 0 3 L A8 1 3 L A8 2 3 M D4 3 0 M D4 3 3 M D	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1	1 0 0 0 1 1 0 1 1 0 0 0 1 0 0 0 0 0 0 0	0 1 0 0 1 0 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Source Source Source Source Source Dest Source Dest Source Dest Source Dest Dest Dest Dest	Immediate8 Disp8 Disp16 Disp8 Disp	Immediate8 Immediate16 Immediate16 Immediate16
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High Med Med	And	AND	Zero	8	Register16 Register16 Immediate16 Register8 Register16 Immediate8 Immediate16 Register8	← ← ← → ← → → ←	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16 + Disp8] [Reg16] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Reg16]	L	1	1 0 0 0 1 1 0 1 0 0 0 0 0 0 0 0 1 1 0	0 1 0 0 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 1 0 1 1 1 1 1 1 1 1 0 0 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 0 0 0 1 1 1 1 1 1 1 0	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Source Source Source Dest Source Dest Source Dest Source Dest Source Dest Source Dest Source Source Source Source Dest Source Source Source Source	Immediate8	Immediate8 Immediate16 Immediate16 Immediate16
High Med Med Core			Zero	8	Register16 Register16 Immediate16 Register8 Register16 Immediate8 Immediate16 Register8	← ← ← → ← → → ←	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Reg16]	L	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1	1 0 0 0 1 1 0 1 0 0 0 0 0 0 0 1 1 0	0 1 0 0 1 1 0 0 1 1 1 0 1 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Source Source Source Dest Source Dest Source Dest Source Dest Source Dest Dest Dest Dest Source Dest Source Source Dest Source Dest Source Source Source	Immediate8	Immediate8 Immediate16 Immediate16 Immediate16
High Med Med Core	And	AND	Zero	8	Register16 Register16 Immediate16 Register8 Register16 Immediate8 Immediate16 Register8	← ← ← → ← → → ←	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Reg16]	L	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1	1	0 1 0 0 1 0 0 1 1 0 0 1 1 0 1 0 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Source Source Source Dest Source Dest Source Dest Source Dest Source Dest Source Dest Source Source Source Source Dest Source Source Source Source	Immediate8	Immediate8 Immediate16 Immediate16 Immediate16
High Med Med Core			Zero	8	Register16 Register16 Immediate16 Register8 Register16 Immediate8 Immediate16 Register8	← ← ← → ← → →	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Reg16 + Disp8] [Reg16]	L	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1	1	0 1 0 0 1 0 0 1 1 0 0 1 1 0 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Source Source Source Dest Source Dest Source Dest Source Dest Source Dest Source Dest Source Source Source Source Dest Source Source Source Source	Immediate8	Immediate8 Immediate16 Immediate16 Immediate16 Immediate16
High Med Med Core			Zero	8	Register16 Register16 Immediate16 Register8 Register16 Immediate8 Immediate16 Register8	← ← ← → ← → →	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Disp8] [Reg16]	L	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1	1	0 1 0 0 1 0 0 1 1 0 0 1 1 0 0 1 1 1 0 0 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Source Source Source Dest Source Dest Source Dest Source Dest Source Dest Source Dest Source Source Source Source Dest Source Source Source Source	Immediate8	Immediate8 Immediate16 Immediate16 Immediate16
High Med Med Core			Zero Page	8	Register16 Register16 Immediate16 Register8 Register16 Immediate8 Immediate16 Register8	← ← ← → ← → →	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp8] [Disp8] [Reg16 + Disp16] [Reg16]	L	1	1	0 1 0 0 1 0 1 0 0 1 1 0 0 1 1 0 0 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Source Source Source Dest Source Dest Source Dest Source Dest Dest Dest Dest Dest Dest Dest Des	Immediate8	Immediate8 Immediate16 Immediate16 Immediate16 Immediate16
High Med Med Core			Zero Page	8	Register16 Register16 Immediate16 Register8 Register16 Immediate8 Immediate16 Register8	← ← ← → ← → →	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Disp8] [Reg16 + Disp16] [Reg16]	L	1	1	0 1 0 0 1 1 0 0 1 1 0 1 1 0 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Source Source Source Dest Source Dest Source Dest Source Dest Dest Dest Dest Dest Dest Dest Des	Immediate8	Immediate8 Immediate16 Immediate16 Immediate16 Immediate16
High Med Med Core			Zero Page	8	Register16 Register16 Immediate16 Register8 Register16 Immediate8 Immediate16 Register8 Register8	← → ← → ← → → →	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Disp8] [Reg16 + Disp16] [Reg16]	L	1	1	0 1 0 0 1 1 0 0 1 1 0 1 1 0 1 1 0 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Source Source Source Dest Source Dest Source Dest Source Dest Dest Dest Dest Dest Dest Dest Des	Immediate8	Immediate8 Immediate16 Immediate16 Immediate16 Immediate16
High Med Med Core			Zero Page	8	Register16 Register16 Immediate16 Register8 Register16 Immediate8 Immediate16 Register8 Register8	← → ← → ← → → →	[Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16 + Disp8] [Disp8] [Reg16 + Disp16] [Reg16]	L	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1	1	0 1 0 0 1 1 0 0 1 1 0 0 1 1 1 0 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Source Source Source Source Dest Source Dest Source Dest Dest Dest Dest Dest Dest Dest Des	Immediate8	Immediate8 Immediate16 Immediate16 Immediate16 Immediate16

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						Immediate16	→ [Reg16]	L D803			0 0 0				Immediate16		
						miniculate 10	[Reg16 + Disp8]	L D813			0 0 1	-				nediate16	
							[Reg16 + Disp16]				0 1 0	-		Dest	Disp16 Disp8	Immedi	ate16
High						Register8	← [Disp8]→ [Disp8]	M 7430			1 1 1			Source	Disp8		
Mad				Zero		Pogist40	← [Disp8]	H 7431			1 1 1	-		Dest	Disp8		
Med				Page	8	Register16	→ [Disp8]	H 7433	0 1	1 1 0	1 1 1	1 1		Source	Disp8		
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						Register8	← [Reg16]	H 7000	0 1	1 1 0	0 0 0	0 0	Base	Dest			
							[Reg16 + Disp8]	M 7010			0 0 1	-		Dest	Disp8		
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						Register8	→ [Reg16 + Disp8]	M 7012	1		0 0 1			Source	Disp8		
High							[Reg16 + Disp16]	M 7022			0 1 0			Source	Disp16		
		Exclusive Or	XOR				[Disp16]	L 7C02	1		1 0 0	-			Disp16	Immediate8	
						Immediate8	→ [Reg16]	L 7802	1		0 0 0	-			Immediate8		
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				Near			Immediate16	M 7421			1 1 (Dest	Immediate16	IIIIIIeulateo	
							Register16	M 7031					Source				
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						riegistei 10	[Reg16]	H 7001	i		0 0 0	-		Dest			
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							[Reg16 + Disp16] [Disp16]	M 7403			0 1 0			Source	Disp16		+++++
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						Register16	7 [Reg16 + Disp8]	M 7013	0 1	1 1 0	0 0 1	1 1	Base	Source	Disp8		
							[Reg16 + Disp16]	M 7023					Base	Source	Disp16		ato16
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ivieu				Page	16		[Disp8]	N 281X			0 0 1	_	Disp8				
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Core					8		[Reg16]				0 1 0	-	Base	Dis	p16		
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						. register e	[Reg16]				0 0 0	- i		Dest	Dim0		
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High					8	Register8	[Disp16] Reg16] [Reg16 + Disp8]	M B002	1 0	1 1 0		1 0	Base	Source Source	Disp8		
High					8	Register8	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16]	M B0 0 2 M B0 1 2 M B0 2 2	1 0 1 0 1 0	1 1 0 1 1 0 1 1 0	0 0 0 0 0 1 0 1 0	1 0 1 1 0 1 1 0	Base Base Base		Disp8 Disp16		
High		Test	TEST		8	Register8	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16]	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2	1 0 1 0 1 0 1 0	1 1 0 1 1 0 1 1 0 1 1 1	0 0 0 0 0 1 0 1 0 1 0 0	1 0 1 1 0 1 0 1 0 1 0	Base Base Base	Source	Disp8 Disp16 Disp16	Immediate8	
High		Test	TEST		8	Register8	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16]	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2	1 0 1 0 1 0 1 0 1 0	1 1 0 1 1 0 1 1 0 1 1 1 1 1 1	0 0 0 0 0 1 0 1 0 1 0 0	1 0 1 1 0 1 0 1 0 1 0 1 0	Base Base Base Base	Source	Disp8 Disp16 Disp16 Immediate8	Immediate8	
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High		Test	TEST	Near	8		→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16]	M B0 0 2 M B0 1 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 M B4 2 1 M B0 3 1 M B4 0 1	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 1 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 0	0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Base Base Base Base Base Base Base Base	Source Source Dest Dest Dest	Disp8 Disp16 Disp16 Immediate8 Disp8 Immediate8 Disp8 Disp16		
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High		Test	TEST	Near	8	Immediate8	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16]	M B0 0 2 M B0 1 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 M B4 0 1 H B0 0 1	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 1 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0	0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0	Base Base Base Base Base Base Base Base	Source Source Dest Dest Dest Dest	Disp8 Disp16 Disp16 Immediate8 Disp8 Immediate8 Disp16 Immediate16		
High		Test	TEST	Near	16	Immediate8	 → [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16] [Rig16] [Disp16] [Disp16] [Disp16] 	M B0 0 2 M B0 1 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 M B4 0 1 H B0 0 1 H B0 2 1 M B4 0 3	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 0	0 0 0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 1 0 0 1	Base Base Base Base Base Base Base Base	Source Source Dest Dest Dest Dest Dest Dest Source	Disp8 Disp16 Disp16 Immediate8 Disp8 Immediate8 Disp16 Immediate16 Disp16 Disp16		
		Test	TEST	Near		Immediate8	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16]	M B0 0 2 M B0 1 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 H B0 0 1 H B0 0 1 H B0 0 1 H B0 0 1 M B4 0 3 M B4 0 3 M B0 0 3	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 1 1 0 0 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Dest Source Source Source	Disp8 Disp16 Disp16 Immediate8 Disp8 Immediate8 Disp16 Immediate16 Disp16 Disp16 Disp16 Disp16 Disp16 Disp16		
		Test	TEST	Near		Immediate8 Register16	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16] [Reg16] [Reg16] [Reg16] [Reg16]	M B0 0 2 M B0 1 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 H B0 0 1 H B0 0 1 H B0 2 1 M B4 0 3 M B0 1 3	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Dest Source Source Source	Disp8 Disp16 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16		
		Test	TEST	Near		Immediate8 Register16	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16]	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 M B0 0 1 H B0 0 1 H B0 0 1 H B0 0 1 M B4 0 3 M B0 0 3 M B0 0 3 M B0 0 3	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Dest Source Source Source	Disp8 Disp16 Disp16 Immediate8 Disp8 Immediate8 Disp16 Immediate16 Disp16 Disp16 Disp16 Disp16 Disp16 Disp16		ate16
		Test	TEST	Near		Immediate8 Register16 Register16	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp16] [Reg16]	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 M B4 0 1 H B0 0 1 H B0 0 1 M B4 0 3 M B0 0 3 M B0 0 3 M B0 1 3 M B0 2 3 L BC 0 3	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 1 0 0 1 1 0 1 0 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Dest Source Source Source	Disp8 Disp16 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16 Disp16 Disp16 Disp16 Disp8 Disp16 Disp16 Disp16 Disp16 Disp16 Disp16	Immediate8	ate16
		Test	TEST	Near		Immediate8 Register16	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Disp16] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp8]	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 M B0 0 1 M B0 1 1 M B0 1 1 M B0 1 1 M B0 1 3 M B0 1 3 M B0 1 3 M B0 2 3 L B8 0 3 L B8 0 3 L B8 1 3	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 0 1 1 1 1 1 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 1 0 0 1 1 0 1 0 1 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Dest Source Source Source	Disp8 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Med		Test	TEST	Near	16	Immediate8 Register16 Register16 Immediate16	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] → [Reg16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp16]	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 M B0 0 1 H B0 0 1 H B0 0 1 H B0 0 1 M B0 1 3 M B0 1 3 M B0 1 3 M B0 0 3 L B8 0 3 L B8 0 3 L B8 0 3 L B8 2 3	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 0 1 1 1 1 1 1 1 0 1 1 1 0 1 1 1 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 1 0 0 1 1 0 1 0 1 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Dest Source Source Source Source	Disp8 Disp16 Disp8 Immediate8 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Med Core		Test Rotate Left	TEST	Near	16	Immediate8 Register16 Register16 Immediate16	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp16] [Insex [In	M B0 0 2 M B0 1 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 M B0 0 1 H B0 0 1 H B0 0 1 H B0 0 1 M B0 1 3 M B0 1 3 M B0 0 3 M B0 1 3 M B0 0 3 M B0 1 3 L B8 0 3	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Dest Dest Dest	Disp8 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Med		Rotate Left	ROL	-	16	Immediate8 Register16 Register16 Immediate16 Reg	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] → [Reg16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp16]	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 M B0 0 1 H B0 0 1 H B0 0 1 H B0 0 1 M B0 1 3 M B0 1 3 M B0 1 3 M B0 0 3 L B8 0 3 L B8 0 3 L B8 0 3 L B8 2 3	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 0 1 1 1 0 1 1 1 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 1 0 0 1 1 0 1 0 1 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Dest Source Source Source Source	Disp8 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Med Core Med					16 8 16	Immediate8 Register16 Register16 Immediate16 Reg Regi	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp16] [Reg16] [Reg16 + Disp16] [Reg16 + Disp16] [ster8, Immediate3 ster16, Immediate3 ster16, Immediate3 ster16, Immediate3	M B0 0 2 M B0 1 2 L B8 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 M B4 0 1 H B0 0 1 H B0 0 1 M B0 1 3 M B0 0 3 M B0 0 3 M B0 0 3 L B8 0 3 L B	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 0 1 1 1 0 1 1 1 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 1 0 0 1 1 0 1 0 1 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Dest Dest Dest	Disp8 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Med Core Med High Med Core		Rotate Left Rotate Right Rotate Left	ROL	-	16 8 16 8 16 8	Immediate8 Register16 Register16 Immediate16 Reg Reg Reg Reg Reg	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16] ister8, Immediate3 ster16, Immediate3 ister8, Immediate3 ster16, Immediate3 ister8, Immediate3 ister8, Immediate3	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 H B0 0 1 H B0 0 1 H B0 0 1 M B0 1 1 H B0 2 1 M B0 1 3 M B0 0 3 M B0 1 3 L B8 0 3 L B8 0 3 L B8 0 3 L B8 0 3 L B8 1 3 N 24 0 0 N 24 0 0 N 24 0 1	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Dest Dest Dest	Disp8 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Med Core Med High Med Core Med	Shift and	Rotate Left Rotate Right Rotate Left through Carry	ROL	-	16 8 16 8 16 8	Immediate8 Register16 Register16 Immediate16 Reg Regi Reg Regi Reg Regi	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp16] ister8, Immediate3 ster16, Immediate3 ster8, Immediate3 ster8, Immediate3 ster8, Immediate3 ster16, Immediate3 ster16, Immediate3 ster16, Immediate3	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 H B0 0 1 H B0 0 1 H B0 0 1 M B0 1 3 M B0 1 3 L B8 0 3 L B8 1 3 L B8 2 3 N 24 0 1 N 24 0 1 N 24 0 1 N 24 1 1	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Dest Dest Dest	Disp8 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Med Core Med High Med Core Med High	Shift and Rotate	Rotate Left Rotate Right Rotate Left through Carry Rotate Right	ROL	-	16 8 16 8 16 8	Immediate8 Register16 Register16 Immediate16 Reg Regi Reg Regi Reg Regi Reg	⇒ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg1	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 H B0 0 1 H B0 1 1 H B0 2 1 M B0 1 3 M B0 1 3 M B0 1 3 L B8 0 3 L B8 0 3 L B8 0 3 L B8 0 3 L B2 0 3 L B2 0 3 L B2 0 3 L B2 0 3 L B3 0 3 L B4 0 1 N 24 0 1 N 24 0 1 N 24 0 1 N 24 1 1 N 24 1 1	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Dest Dest Dest	Disp8 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Med Core Med High Med Core Med	Shift and Rotate	Rotate Left Rotate Right Rotate Left through Carry Rotate Right through Carry	ROL ROR RCL	-	16 8 16 8 16 8	Immediate8 Register16 Register16 Immediate16 Reg Regi Reg Regi Reg Regi Reg	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp16] ister8, Immediate3 ster16, Immediate3 ster8, Immediate3 ster8, Immediate3 ster8, Immediate3 ster16, Immediate3 ster16, Immediate3 ster16, Immediate3	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 M B4 0 0 1 H B0 0 1 H B0 0 1 M B0 1 3 M B0 0 3 L B8 0 3 L B2 0 3 L B4 0 0 N 24 0 0 N 24 0 1 N 24 0 2 N 24 0 3 N 24 0 0 N 24 0 1 N 24 1 1 N 24 1 1	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Dest Dest Dest	Disp8 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Med Core Med High Med Core Med High Med Med	-	Rotate Left Rotate Right Rotate Left through Carry Rotate Right	ROL ROR RCL	-	16 8 16 8 16 8 16 8	Immediate8 Register16 Register16 Immediate16 Reg Regi Rege Regi Reg Regi Reg Regi Reg	⇒ [Reg16]	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 M B4 0 0 1 H B0 0 1 H B0 0 1 M B0 1 3 M B0 0 3 L B8 0 3 L B4 0 0 1 N 24 0 0 N 24 0 1 N 24 0 2 N 24 0 1 N 24 0 2 N 24 0 1 N 24 1 3 L 24 2 0	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Source Source Source Source Source Lest Dest Dest Dest Dest Dest Dest Dest D	Disp8 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Med Core Med High Med Core Med High Med Core Med High	-	Rotate Left Rotate Right Rotate Left through Carry Rotate Right through Carry Shift Left	ROL ROR RCL RCR	-	16 8 16 8 16 8 16 8 16 8	Immediate8 Register16 Register16 Immediate16 Reg Regi Reg Regi Reg Regi Reg Regi Reg Regi Reg	⇒ [Reg16]	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 H B0 0 1 H B0 0 1 H B0 0 1 M B0 1 3 M B0 2 3 L BC 0 3 L B8 0 3 L B8 0 3 L B8 0 3 L B2 0 3 N 24 0 0 N 24 0 1 N 24 0 2 L 24 2 1 N 24 2 2	1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Source Source Source Source Source Source Lest Dest Dest Dest Dest Dest Dest Dest D	Disp8 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Med Core Med High Med Core Med High Med Core Med High Med Med Med Med	-	Rotate Left Rotate Right Rotate Left through Carry Rotate Right through Carry Shift Left Shift Logical Right	ROL ROR RCL RCR		16 8 16 8 16 8 16 8 16 8 16	Immediate8 Register16 Register16 Register16 Register16 Register16 Register16 Register16 Register16	Reg16 Reg16 Reg16 + Disp16 Reg16 + Disp16 Reg16 Reg16 Reg16 Reg16 + Disp8 Reg16 + Disp8 Reg16 + Disp16 Register16 Reg16 + Disp16 Reg16 Reg16 + Disp16 Reg16 + Disp16 Reg16 + Disp16 Reg16 +	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 H B0 0 1 H B0 0 1 M B0 1 3 M B0 0 3 M B0 1 3 M B0 0 3 L B8 0 3 L B2 0 3 L B2 0 3 L B2 0 3 L B2 0 3 L B3 0 3 L B4 0 1 N 24 0 0 N 24 0 1 N 24 0 2 N 24 1 3 L 24 2 0 L 24 2 1 N 24 2 2 N 24 2 3	1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	Base Base Base Base Base Base Base Base	Source Source Dest Dest Dest Dest Source Source Source Source Source Lest Dest Dest Dest Dest Dest Dest Dest D	Disp8 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Core Med High Med Core Med High Med Core Med High Med High	-	Rotate Left Rotate Right Rotate Left through Carry Rotate Right through Carry Shift Left Shift Logical Right Shift Arithmetic	ROL ROR RCL RCR		16 8 16 8 16 8 16 8 16 8 16 8	Immediate8 Register16	Reg16 Reg16 + Disp8 Reg16 + Disp16 Reg16 + Disp16 Reg16 + Disp8 Reg16 + Disp8 Reg16 + Disp8 Reg16 + Disp16 Reg16 + Disp16 Reg16 + Disp8 Reg16 + Disp16 Reg16 +	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 M B0 13 M B0 14 M B0 14 M B0 15 M B0 15 M B0 16 M B0 17 M B0 18 M B0	1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 0 0 1 1 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 0 1 0 0 1 0 0	Base Base Base Base Base Base Base Base	Source Source Dest Dest Dest Dest Dest Source Source Source Source Dest Dest Dest Dest Dest Dest Dest Des	Disp8 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Core Med High Med Core Med High Med Core Med High Med High Med High	-	Rotate Left Rotate Right Rotate Left through Carry Rotate Right through Carry Shift Left Shift Logical Right	ROL ROR RCL SHL SHR	- - - -	16 8 16 8 16 8 16 8 16 8 16	Immediate8 Register16 Register16 Immediate16 Reg Regi Reg Regi Reg Regi Reg Regi Reg Regi Reg Regi Reg	Reg16 Reg16 + Disp8 Reg16 + Disp16 Reg16 + Disp16	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 M B0 13 M B0 14 M B0 14 M B0 15 M B0 15 M B0 16 M B0 17 M B0 18 M B0	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 0 0 1 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 1 1 1 0 0 0 1 1 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Source Source Dest Dest Dest Dest Dest Source Source Source Source Dest Dest Dest Dest Dest Dest Dest Des	Disp8 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Med Core Med High Med Core Med High Med Core Med High Med High	-	Rotate Left Rotate Right Rotate Left through Carry Rotate Right through Carry Shift Left Shift Logical Right Shift Arithmetic	ROL ROR RCL RCR SHL	- - - -	16 8 16 8 16 8 16 8 16 8 16 8	Immediate8 Register16	Reg16 Reg16 + Disp8 Reg16 + Disp16 Reg16 + Disp16 Reg16 + Disp8 Reg16 + Disp8 Reg16 + Disp8 Reg16 + Disp16 Reg16 + Disp16 Reg16 + Disp8 Reg16 + Disp16 Reg16 +	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 M B0 1 3 M B0 2 3 L B8 0 3 L B2 0 3 N 24 0 0 N 24 0 1 N 24 0 2 N 24 0 2 N 24 0 3 N 24 1 0 N 24 1 1 N 24 1 2 N 24 1 2 N 24 2 2 N 24 2 3 N 24 3 3 H C8 0 X	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 0 0 1 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 0 1 0 0 1 0 0	Base Base Base Base Base Base Base Base	Source Source Dest Dest Dest Dest Dest Dest Source	Disp8 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Med Core Med High Med Core Med High Med High Med High Med High Med Core	-	Rotate Left Rotate Right Rotate Left through Carry Rotate Right through Carry Shift Left Shift Logical Right Shift Arithmetic Right	ROL ROR RCL SHL SHR SAR	- - - -	16 8 16 8 16 8 16 8 16 8 16 8	Immediate8 Register16 Register16 Immediate16 Reg Regi Reg	Reg16 Reg16 + Disp8 Reg16 + Disp16 Reg16 + Disp16 Reg16 + Disp16 Reg16 + Disp8 Reg16 + Disp8 Reg16 + Disp16 Register16 Elips16 Reg16 + Disp8 Reg16 + Disp8 Reg16 + Disp16 Reg16 + Disp16 Reg16 + Disp8 Reg16 + Disp16 R	M B0 0 2 M B0 1 2 M B0 2 2 L B8 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 M B0 11 H B0 0 1 H B0 0 1 H B0 0 3 M B0 1 3 M B0 1 3 M B0 1 3 M B0 0 3 M B0 1 3 M B0 0 3 M B0 1 3 M B0 0 3 M B0 1 3 M B0 2 3 L B8 0 3 L B2 0 3 L B2 0 3 L B2 0 3 L B3 1 3 L B4 0 1 N 24 0 1 N 24 0 2 N 24 0 1 N 24 1 2 N 24 1 2 N 24 1 2 N 24 1 3 L 24 2 0 L 24 2 1 N 24 2 3 N 24 3 3 H C8 0 X H C8 1 X	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 0 0 1 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 0 1 0 0 1 0 0	Base Base Base Base Base Base Base Base	Source Source Dest Dest Dest Dest Dest Dest Dest Des	Disp8 Disp16 Disp8 Immediate8 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Med Core Med High Med Core Med High Med Core Med High Med Core Med High Med Core	-	Rotate Left Rotate Right Rotate Left through Carry Rotate Right through Carry Shift Left Shift Logical Right Shift Arithmetic Right Jump	ROL ROR RCL SHL SHR		16 8 16 8 16 8 16 8 16 8 16 8	Immediate8 Register16 Register16 Immediate16 Reg Regi Reg Regi Reg Regi Reg Regi Reg Regi Reg Regi Reg	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16] [Insex] [Reg16 + Disp16]	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 H B0 0 1 H B0 0 1 H B0 0 1 M B0 1 3 M B0 1 3 M B0 1 3 L B8 2 3 L B8 0 3 L B8 1 3 L B8 2 3 N 24 0 1 N 24 0 2 N 24 0 1 N 24 1 1 N 24 1 2 N 24 1 3 L 24 2 0 L 24 2 1 N 24 2 2 N 24 2 3 N 24 3 3 H C8 0 3 H C8 1 X	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 1 1 1 1 1 1	Base Base Base Base Base Base Base Base	Source Source Dest Dest Dest Dest Dest Source Source Source Source Source Source Source Lest Lest Lest Lest Lest Lest Lest Les	Disp8 Disp16 Disp16 Disp8 Immediate8 Disp16 Immediate16 Disp16	Immediate8	
Med Core Med High Med Core Med High Med Core Med High Med Core High Med Core Core	-	Rotate Left Rotate Right Rotate Left through Carry Rotate Right through Carry Shift Left Shift Logical Right Shift Arithmetic Right Jump	ROL ROR RCL SHL SHR SAR		16 8 16 8 16 8 16 8 16 8 16 8	Immediate8 Register16 Register16 Immediate16 Reg Regi Reg	→ [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16] [Reg16] [Reg16 + Disp8] [Reg16 + Disp16] Immediate16 Register16 [Disp16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp8] [Reg16 + Disp16] [Reg16 + Disp16] [Reg16 + Disp16] [Immediate3 [Reg16 + Disp16]	M B0 0 2 M B0 1 2 M B0 2 2 L BC 0 2 L B8 0 2 L B8 1 2 L B8 2 2 M B4 2 1 M B0 3 1 H B0 0 1 H B0 0 1 H B0 0 1 H B0 0 1 M B0 1 3 M B0 1 3 M B0 1 3 L B8 2 3 L BC 0 3 L B8 0 3 L B8 0 3 L B8 0 3 L B2 0 3 L B3 0 3 L B	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 1 0 0 1 1 1 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 1 0 0 1 1 1	Base Base Base Base Base Base Base Base	Dest Dest Dest Dest Dest Dest Dest Dest	Disp8 Disp16 Dis	Immediate8	
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111-1-		Euchanas Charle	XCHS	-	-					40 3 1			_					_	_								
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wieu	Floating Point	(16 bit)	SMUL	_	_				M	40 3 1			_			_		_	_								
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