

C AND D TERMS - FORM BIT CARRIES AND BIT ENABLES. RIGHT SHIFT ONE PLACE TO DIVIDE BY 2 FOR THE SQUARE ROOT ITERATION INSTRUCTION.

ENABLES
CARRIES

(C AND D TERMS ARE NON-LATCHED)

BBZ	BBY	BBX	BBW	BBV	BBU	BBT	BBS	BBR	BBQ	BBP	BBO	BBN	BBM	BDL	BDK	BDJ	BDI	BDH	BDG	BBE
BDZ	BDY	BDX	BDW	BDV	BDU	BDT	BDS	BDR	BDQ	BDP	BDO	BDN	BDM	BDL	BDK	BDJ	BDI	BDH	BDG	BBE
dma	dld	dle	dib	dla	dkd	dkc	dkb	dka	djd	djc	djb	dja	cid	cic	cib	dia	dhd	dhc	dhb	dha
CMA	CLD	CLC	CLB	CLA	CKD	CKC	CKB	CKA	CJD	CJC	CJB	CJA	CID	CIC	CIB	CIA	CHD	CHC	CHB	CHA

G TERMS - CARRIES WITHIN FOUR BIT GROUP ARE DETERMINED ASSUMING THE GROUP WILL OR WILL NOT HAVE A CARRY IN.

(G AND H TERMS ARE LATCHED)

	dle	dib		dkc			djc						dle	dib			dhc			
	cic	cib	dla	ckc	ckb	dka	cjc	cjb	dja				cic	cib	dia		chc	chb	dha	
dma				ckc	ckb	dka	cjc	cjb	dja				cic	cib	dia		chc	chb	dha	
gmf	gih	gig	gif	gkh	gkg	gkf	gjh	gjj	gjf				gih	gig	gif		ghh	ghg	ghf	

WITH CARRY INTO GROUP

	CLD	CLC			CKD	CKC			CJD	CJC			CID	CIC			CHD	CHC		CGD
	DLD	DLC	CLB		DKD	DKC	CKB		DJD	DJC	CJB		DID	DIC	CIB		DHD	DHC	CHB	DGD
CMA	DLD	DLC	DLB	CLA	DKD	DKC	DKB	CKA	DJD	DJC	DJB	CJA	DID	DIC	DIB	CIA	DHD	DHC	DHB	DGD
GMB	GLE	GLD	GLC	GLB	GKE	GKD	GKC	GKB	GJE	GJD	GJC	GJB	GIE	GID	GIC	GIB	GHE	GHD	GHC	GHB
																				GGE

WITHOUT CARRY INTO GROUP

H TERMS - BIT AND GROUP ENABLES ARE COMPLEMENTED ON RECIPROCAL OR RECIPROCAL SQUARE ROOT APPROXIMATION OR ITERATION INSTRUCTIONS. (TL - TERMS)

BIT ENABLES
GROUP ENABLES

cma	dld	dle	dib	dla	ckd	ckc	ckb	dka	djd	djc	djb	dja	cid	cic	cib	dia	chd	chc	chb	cha
DMA	DLD	DLC	DLB	DLA	DKD	DKC	DKB	DKA	DJD	DJC	DJB	DJA	DID	DIC	DIB	DIA	DHD	DHC	DHB	DHA
HMA	HLD	HLC	HLB	HLA	HKD	HKC	HKB	HKA	HJD	HJC	HJB	HJA	HID	HIC	HIB	HIA	HHD	HHC	HHB	HHA
	hle				hke				hje				hie				hhe			
	hlf				hkf				hjf								hhf			

K TERMS - BIT RESULTS FOR THE CASE OF CARRY INTO GROUP AND NO CARRY INTO GROUP.

WITHOUT CARRY INTO GROUP
BIT CARRIES WITHOUT CARRY INTO GROUP
BIT ENABLES
BIT CARRIES WITH CARRY INTO GROUP
WITH CARRY INTO GROUP

(K TERMS ARE NON-LATCHED)

	kld	kic	kib		kkd	kke	kkb		kjd	kjc	kjb		kld	kic	kib		khd	khe	khh	
	GLD	GLC	GLB		GKD	GKC	GKB		GJD	GJC	GJB		GID	GIC	GIB		GHD	GHC	GHB	
	HLD	HLC	HLB		HKD	HKC	HKB		HJD	HJC	HJB		HID	HIC	HIB		HHD	HHC	HHB	
	GLH	GLG	GLF		GKH	GKG	GKF		GJH	GJG	GJF		GIH	GIG	GIF		GHH	GHG	GHF	
	klh	klg	kif		kkh	kkg	kkf		kjh	kjj	kjf		kih	kig	kif		khh	khg	khf	

(L TERMS ARE LATCHED)

HMA	KLD	KLC	KLB	HLA	KKD	KKC	KKB	HKA	KJD	KJC	KJB	HJA	KID	KIC	KIB	HIA	KHD	KHC	KHB	HHA
LMA	LLD	LIC	LLB	LLA	LKD	LKC	LKB	LKA	LJD	LJC	LJB	LJA	LID	LIC	LIB	LIA	LHD	LHC	LHB	LHA

hma	KLH	KLH	KLF	hla	KKH	KKG	KKF	hka	KJH	KJG	KJF	hja	KIH	KIG	KIF	hia	KHH	KHG	KHF	hha
LME	LLH	LLG	LLF	LLE	LKH	LKG	LKF	LKE	LJH	LJG	LJF	LJE	LIH	LIG	LIF	LIE	LHH	LHG	LHF	LHE

(M TERMS ARE NON-LATCHED)

LMA	LLD	LLC	LLB	LLA	LKD	LKC	LKB	LKA	LJD	LJC	LJB	LJA	LID	LIC	LIB	LIA	LHD	LHC	LHB	LHA
LME	LLH	LLG	LLF	LLE	LKH	LKG	LKF	LKE	LJH	LJG	LJF	LJE	LIH	LIG	LIF	LIE	LHH	LHG	LHF	LHE
MBY	MBX	MBW	MBV	MBU	MBT	MBS	MBR	MBQ	MBP	MBO	MBN	MBM	MBL	MBK	MBJ	MBI	MBH	MBG	MBF	MBE

M TERMS - THE M TERMS ARE THE FINAL SUM. THE SUM IS SELECTED FROM THE RESULT 4-BIT GROUPS DEPENDING ON IF THERE WAS A CARRY INTO THE GROUP.

(O TERMS ARE LATCHED)

MBY	MBX	MBW	MBV	MBU	MBT	MBS	MBR	MBQ	MBP	MBO	MBN	MBM	MBL	MBK	MBJ	MBI	MBH	MBG	MBF	MBE
OBX	OBW	OBV	OBU	OBT	OBS	OBR	OBQ	OBP	OBO	OBN	OBM	OBL	OBK	OBJ	OBI	OBH	OBG	OBF	OBE	OBD

O TERMS - THE O TERMS WILL LEFT SHIFT THE RESULT ONE PLACE IF NORMALIZATION IS REQUIRED.

(RESULT) 2⁻¹ 2⁻² 2⁻³ 2⁻⁴ 2⁻⁵ 2⁻⁶ 2⁻⁷ 2⁻⁸ 2⁻⁹ 2⁻¹⁰ 2⁻¹¹ 2⁻¹² 2⁻¹³ 2⁻¹⁴ 2⁻¹⁵ 2⁻¹⁶ 2⁻¹⁷ 2⁻¹⁸ 2⁻¹⁹ 2⁻²⁰ 2⁻²¹

ME MODULE COEF
(TENTH LEVEL
FINAL COEFFICIENT