

SHARE SYMBOLIC CODING FORM

PROBLEM															
CODER								DATE				PAGE		OF	
H		LOCATION		CP		ADDRESS, TAG, DECREMENT				COMMENTS		IDENTIFICATION			
1	2	6	7	8	10	11	12					72	73	80	
				REM				ADD AND TEST							
	ADD6			ADD				MWF							
				PBT				TEST FOR OVERFLOW							
				TRA				ADD7							
				SLT				2							
				TRA				*+3	OFF	NORMALIZE					
				SLN				2							
				HTR				*+2	OVERFLOW ON UNNORMALIZED ADD						
				ARS				1	RIGHT SHIFT ONE						
	ADD7			TQP				ADD8-1	TEST IF MQ AND ACC HAVE SAME SIGN						
				TMI				ADD8							
				STO				COMMON	OPPOSITE SIGNS						
				STQ				MQS2							
				CAL				MINUS	P BIT						
				LLS				0							
				CHS											
				ADD				MQS2	LOW ORDER PART						
				STO				MQS2							
				CLA				L1							
				LLS				0							
				ADD				COMMON	HIGH ORDER PART						
				LDQ				MQS2							
				TRA				ADD8							
				TMI				ADD7+2							
	ADD8			NOP					STORE ANSWER						
	MINUS			OCT				-0							

Relo/ry

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see page 5

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PROBLEM															
CODER								DATE				PAGE 3		OF 4	
H		LOCATION		OP		ADDRESS, TAG, DECREMENT				COMMENTS		IDENTIFICATION			
1	2	6	7	8	10	11	12					72	73	80	
								STO	ACF						
								STQ	MQ52						
								TSX	NOIS1,4						
								SLT	2						
								TRA	*+2	OFF	NORMALIZED				
								TRA	NEXT	ON	UNNORMALIZED				
								ALS	1						
								PBT		TEST	IF LEFT SHIFTS ARE NEEDED				
								TRA	*+2						
								TRA	NEXT						
TSX	NOIS3,4							TSX	NOIS2,4	INSERT	NOISE IF REQUIRED				
								LXA	ZERO,1						
								CLA	ACF						
								LDR	MQ52						
								TNZ	*+3						
								LLS	35						
								TXI	*+1,1,35						
								LLS	1						
								TXH	NEXT,1,70	CANCELLATION	CASE				
								PBT							
								TXI	*-2,1,1						
								LRS	1						
								STO	ACF	STORE	NORMALIZED FRACTION				
								PXD	0,1						
								ARS	18						
								SSM							

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PROBLEM													
CODER								DATE				PAGE 4 OF 4	
H	LOCATION		OP	ADDRESS, TAG, DECREMENT				COMMENTS		IDENTIFICATION			
1	2	6	7	8	10	11	12	72	73	80			
			ADD	ACC									
			STO	ACC									
			TRA	NEXT									
			STO	ACF									
			CLA	ACC				ADJUST EXPONENT BY ONE					
			ADD	L1									
			STO	ACC									
			TRA	NEXT									
			STQ	MQS2									
			LDQ	MQS2									
			LRS	0									
			LDQ	MQS2									
			LLS	1									
			LRS	1									
			TSX	NOIS3, 4									
	NOIS3		NOP	*+2									
			TRA	1, 4									
			LRS	**									
			LDQ	NOIS3+6				INSERT ZEROS OR ONES					
			LLS	**									
			TRA	1, 4									
			STA	NOIS3+2									
			STA	NOIS3+4									
			OCT	0				NOISE 3 CONSTANT					

these go on page 2

NOIS3

STO