		•						
MPOS	999392R	MULPLY	000000RG	MULT01	000016R			
MULT02		MULT03	000032R	MULT04	000040R			
MULT05		MULT06	000064R	MULT07_	000076R			
MULT08 MULT11		MULT09	000122R	MULT10	000134R			
MUL.T14		MULT12	<u>000160R</u>	MULI13	000172R			
MULT17		MULT15 MULT18	000216R	MULT16	000230R			
PC	=%000007		<u>000254R</u> =%000000	MZERO -	000276R			
R2	=%000007 =%0000002		-x000000 =%000003		=X000001 =X000004			
R5	=%000005		=%0000006 -%0000000		=2000004 =2000007			
SP	=%000006		000000 - 000304R	Kr -				
				<del>ander 1904 en 1904 en</del>				
END ?								
	; *	*******	** ** ** ** ** ** ** ** ** ** ** **	** ** ** ** ** ** ** ** ** *	*********			
	j	BLITZKRIEG INTEGER MULTIPLY						
nerantico con relation messa e con residencia de constitución		VERSION 2B						
:	j		LARRY BRYAI		EILER			
		S.J. 2.2 majo maio	AUG 19,197					
		; MULT TWO SINGLE WORD INTEGERS TO PRODUCE : A DOUBLE WORD RESULT						
·		R0=MULTIPLIER (UNCHANGED BY ROUTINE) R1=USED AS A FLAG						
	;	RI=USED HS H FLHG R3=LOW WORD RESULT						
			TIPLICAN & H;	IGH WORD RE	SULT			
	000000	R0=20	* /					
	000001	R1=%1						
	000002 000003	R2=%2 R3=%3	/		•			
	000004	R4=%4	·					
	000007	RT-AT R5=25						
and the second s	000006	R6=%6		er vertigen var det vertigen av vertigen a				
	000007	R7=47						
	000006	SP=R6						
	000007	PC=R7						
4		. TITLE	MULPLY					
-0/99-0549998466465466000000000000000000000000000000		GLOBL	MULELY					
	000000	. CSECT						
	005001 MU		<u>R1</u>		R FLAG REGISTER			
	2 005003 4 005700	CLR	R3		R LOW ORDR RESULT			
	<del>: 003/00</del> 5 001533	TST BEQ	RØ MZERO		TIVE MULTIPLIER?			
	9 003005 9 001722	BEQ BGT	MULTØ1		ZERO FAST TIVE,GO AROUND			
	2 005201	INC	R1		NEGATIVE FLAG			
	1 005400	NEG NEG	RØ.		POSITIVE FLAG			
	005704 MU		R4		MULTIPLICAND			
000026	9 001526	BEQ	MZERO		ERO GO AWAY			
	2 003002	BGT	MULT02	·	JUMP AROUND			
	005201	INC	R.1		NEGATIVE FLAG			
	005404	NEG	R4	; MAKE	POSITIVE			
	006304 MUI		<u> </u>					
	2 006304 MUI 1 103001		R4	; 	"			
	6 060003 5 103001	BCC ADD	MULT04		IF NO CARRY			
	) 006303 MW		R0,R3 <del></del>		IN MULTIPLICAND			
	906104	ROL	R4		T MAGNITUDE AGIN			
	103002	BCC	MULT05	; 	AGAIN IF NO CARRY			
000046	060003	ADD	R0, R3		IN MULTIPLICAND			
000050	005504	ADC ADC	R4		LOW ORDER OVERFLOW			
	. 006303 MAI		R3		T AGAIN			
999954	006104	ROL	R4					

000056 103002	В(	C MU	LT06	
000060 060003	AI		, R3	
000062 005504	AL	)C R4		
000064 006303 M				IT AGAIN!
	i	V		
	PB	1GE 00	4	
entra anticontra de la contra de		antitubitan muunnuumuun tantan	<del>Manacan aum ann an ann ann ann ann ann ann ann ann</del>	
000066 006104	RO	). )) ba		r
000070 103002	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
	B(		LT07	
000072 060003	AC		, R3	
000074 005504	AC			
<u>000076 006303 M</u>			<u></u>	IT AGAIN!!
000100 006104	RC			
000102 103002	BC	C MU	LT08	
000104 060003	AC	)D R0.	,R3	· ·
000106 005504	AD	C R4		
000110 006303 M	IULT08: AS	SL R3	; 00	IT AGRIN!!!
000112 006104	RO	)L R4		
000114 103002	ВС	C MU	LT09	
000116 060003	AD		. R3	
000120 005504	AC			
000122 006303 M			na.	IT DO IT DO IT!
000124 006104	RC RC			
000126 103002	BC BC		LT10	
000130 060003				
000130 000003	. AD		. R3	
	AC AC			
000134 006303 M				IT, DO IT, DO WHOW!
000136 006104	R0			
000140 103002	BC		_T11	
000142 060003		********************************	R3	
000144 005504	AD			
000146 006303 M	······································			- HO BOY!
000150 006104	RO			
000152 103002	BC	C MUI	T12	
000154 060003	AD	D R0,	R3	
000156 005504	<u> </u>	C R4		
000160 006303 M	ULT12: AS	L R3	; TH	IS IS TOO MUCH!
000162 006104	RQ	L R4		
000164 103002	ВС	C MUI	_T13	
000166 060003	AD	,	R3	
000170 005504	AD	***************************************		
000172 006303 M	•		; GE	TTING BORING?
000174 006104	RO			
000176 103002	BC BC		T14	
000200 060003	AD		R3	-
000202 005504	AD			
000204 006303 M				10 00 00 00 10 10 000
000204 000303 N 000206 006104	CCTIT. NO			LA DA DA DA LA DAA
000200 000104				
	BC		.T15	, ·
000212 060003	AD		R3	
000214 005504	AD			
000216 006303 M			i FA!	ST IS WEIRD!!
000220 006104	RO			
000222 103002	B.C.		.T16	
000224 060003	AD	and the second s		
000226 005504	AD			
000230 006303 M			; COI	ME ON , COME ON!
000232 006104	R0			
000234 103002	BC	C MUL	.T17	
000236 060003	AD	D RØ,	<u>RZ</u>	
000240 005504	AD	C R4		
000242 006303 M	<u>ULT17: AS</u>		; I 6	CANT BELIEVE IT!
000244 006104	RO			
	PA	GE 002	!	
			-	

V ( 0002 0002	<b>46</b> 103002 50 060003			MULTUE.					
0002	52 <b>4</b> 0\$504 54 032701		ADC	R4 #1.R1	, ,-	FINNALY OOK AT SIG	DONE SHI	FJ-ADI	DING!
<b>A</b> . *	000001 60 001410		aro	MPOS		ESUNT DE 1	,	II NI N	
0002	62 005103 64 005104		COM	. <b>R3</b>	, , , D)	DUBLE PREC	ISION		
0002	66 000241	*	COM CLC	.R4	; €l	EGATION OF Lear for t		LMNT	
6062	70 00%203 72 005504	She is No	INC ADC	R4 /		RODUCT			
9002	74 0 <b>9</b> 0402 76 005003	MŽERO:	BR.* CLR	MPOS R3		<u>(IP ZERO R</u> Ultiply by			***
	00 00 <b>5004</b> 02 0 <b>00</b> 207		CLR RTS	R4 PC	, j	ERVE THIS	PLACE!	**	
	000001	4	. END		*				
<del>,</del>			PAGE 3	003					
	ERRORS							*	
	ERRURS					<u>,                                     </u>			4.54
PAR-11	5 <b>VB03</b> A								*
%.									***
*B H			***					311	1
*L *T									
**. *T:#		4.				A			
		*	*						
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		<i>F</i>						<b>***</b>	
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