SASIC I	MAC MAC		64 03:11		MACRO 47(113) 03:12 10-SEP-75 PAGE 26-8 STRING FUNCTIONS					
6876	010262*		000106	34500		MOV	В, М	; (B) = HIGH BYTE OF DATA POINTER		
6877	010263*	001000	000053	34520		DCX	Н			
6878	010264*	001000	000116	34540		MOV	C.M	(B,C) =POINTER AT STRING DATA		
6879	010265*	001000	000345	34550		PUSH	Н	ISAVE THIS LOCATION SO THE POINTER		
6880				34552				ICAN BE UPDATED AFTER THE STRING IS		
6881				34554				IMOVED		
6888	010266*	001000	000053	34560		DCX	н	7110100		
6883				34580	IFN .	LENGTH				
6884				34600	*****	DCX	H>			
6885	010267*	001000	000156	34620		MOV	L.M	; [L] =STRING LENGTH		
6886	010270*		000046	34640		MVI	H, Ø	(H,L) GET CHARACTER COUNT		
6887	010271		000000	34040			.,0	(HIL) BET CHARACTER COOK!		
6888	010272		000011	34660		DAD	В	ATH LIBOTATED REVOND STRING		
6889	010273		000120	34680		MOV	0.8	; [H, L] = POINTER BEYOND STRING		
6890	010274		000131	34700		MOV	E,C	; (D,E) =ORIGINAL POINTER		
6891	010275		000053	34720		DCX	H	DON'T MOVE ONE BEYOND STRING		
6892	010276		000104	34740		MOV	B.H	GET TOP OF STRING IN (B,C)		
6893	010277		000115	34760		MOV		AGE TOP OF STRING IN IDICI		
6894	010300*		000052				C,L	LOST TOD OF EDGE COLOR		
6895	010301		991573°	34780		LHLD	FRETOP	GET TOP OF FREE SPACE		
6896	010302*		010227*							
6897	010302		000315	34800		C 41.1	DI TUC	AMONE EXOTES		
6898	010304*			34000		CALL	BLTUC	MOVE STRING		
6899			002010							
	010305		010301							
6900	010306		000341	34820		POP	н	GET BACK POINTER TO DESC.		
6901	010307		000161	34840		MOV	M,C	ISAVE FIXED ADDR		
6902	010310		000043	34860		INX	н	MOVE POINTER		
6903	010311		000160	34880		MOV	M,B	HIGH PART		
6904	010312		000151	34900		MOV	L,C			
6905	010313*		000140	34920		MOV	н, в	; [H,L] =NEW POINTER		
6906	010314		000053	34940		DCX	н	FIX UP FRETOP		
6907	010315		000303	34960		JMP	FNOVAR	JAND TRY TO FIND HIGH AGAIN		
6908	010316		010045							
6909	010317	0000000	010304*							
6910										
6911				35000	1					
6912				35020				CATENATES TWO STRINGS		
6913				35040				RST ONE AT THIS POINT,		
6914				35060	; [H,L	POINTS	BEYOND THE +	SIGN AFTER IT		
6915				35080	1					
6916	010320		000305	35100	CAT:	PUSH	В	PUT OLD PRECEDENCE BACK ON		
6917	010321		000345	35120		PUSH	н	SAVE TEXT POINTER		
6918	010322		000052	35140		LHLD	FACLO	JGET POINTER TO STRING DESC.		
6919	010323*		001637							
6920	010324*		010316*							
6921	010325		000343	35160		XTHL		; SAVE ON STACK & GET TEXT POINTER B		
6922	010326		000315	35180		CALL	EVAL	JEVALUATE REST OF FORMULA		
6923	010327*	000000	006061*							
6924	010330*	000000	010323*							
6925	010331		000343	35200		XTHL		SAVE TEXT POINTER, GET BACK DESC.		
6926	010332*		000315	35220		CALL	CHKSTR			
6927	010333		006230*							
6928	010334		010327*							

				LLEN/DAVIDOFF		FUNCTION	26-9		
	6929	010335*	001000	000176	35240		MOV	A,M	
•	6930	010336		000345	35260		PUSH	H'	ISAVE DESC. POINTER.
·	6931	010337		000052	35280		LHLD	FACLO	JGET POINTER TO 2ND DESC.
	6932	010340		001637	33500		LHLU	FACLU	IGET POINTER TO END DESC.
	6933	010341		010333*					
•	6934	010342		000345	35300		PUSH	н	ISAVE IT
	6935	010343		000506	35320		ADD	M	JADD THO LENGTHS TOGETHER
•	6936	010344		000036	35340		MVI	E, ERRLS	SEE IF RESULT .LT. 256
_	6937	010345		000017	32340			CICKIED	1000 1 WEGGET 101 530
	6938	010346		000332	35360		JC	ERROR	; ERROR "LONG STRING"
	6939	010347		992192*	33300			emon	TERROR EGILO OTRINO
•	6940	010350		010340*					
	6941	010351'		000315	35380		CALL	STRINI	GET INITIAL STRING
	6942	010352		007624*					your Intrant Officials
-	6943	010353		010347*					
	6944	010354		000321	35400		POP	D	GET AND DESC.
	6945	010355		000315	35420		CALL	FRETMP	
	6946	010356		010440*					
	6947	010357		010352*					
	6948	010360	001000	000343	35440		XTHL		; SAVE POINTER TO IT
	6949	010361'	001000	000315	35460		CALL	FRETME	FREE UP 1ST TEMP
	6950	010362'	000000	010437*					
	6951	010363	999999	010356*					
	6952	010364		000345	35480		PUSH	н	; SAVE DESC. POINTER (FIRST)
	6953			000052	35500		LHLD	DSCTMP+2	GET POINTER TO FIRST
•	6954			001572*					
	6955	010367		010362					
	6956	010370	001000	000353	35520		XCHG		IN [D,E]
•	6957	010371	001000	000315	35540		CALL	MOVINS	MOVE IN THE FIRST STRING
	6958	010372'		010407					
	6959	010373		010366	40403				
•	6960	010374		000315	35560		CALL	MOVINS	AND THE SECOND
	6961	010375		010407					
	6962	010376		010372*					
•	6963	010377		000041	35580		LXI	H, TSTOP	CAT REENTERS FORMULA EVALUATION AT TSTOP
	6964	010400		005357*					
	6965	010401		010375*	25400		M.W.L.		
•	6966	010402		000343	35600		XTHL	,,	
	6967	010403		000345 000303	35620		PUSH	H	TEXT POINTER OFF FIRST
	6968	010404		000303	35640		JMP	PUTNEW	THEN RETURN ADDRESS OF TSTOP
•	6969	010405		010400*					
	6970	010406	688888	N1940A.					
	6971								
•	6973	0100071	001000	000341	35700	MOVINS:	909	u	ACET DETURN ADDR
	6974	010407		000343	35720	HOATM2:		н	JGET RETURN ADDR
B	6975	010410	901000	000343	35740	IFE	LENGTH-2		PUT BACK, BUT GET DESC.
•	6976	010411	881888	000176	35760	T. C	MOV	A.M	; (A) =STRING LENGTH
	6977	010411		000043	35780		INX	H H	LENGTHO CENGIA
_	6978	010412		000116	35800		MOA	C. M	; [B,C] =POINTER AT STRING DATA
•	6979	010414		000043	35820		INX	H	, to, clarofuler at SIKING DATA
	6980	010415		000106	35840		MOV	B, M	
P	6981	010415		000157	35860		MOV	L,A>	; [L] =STRING LENGTH
		DIE410	001000	00011	33000		1101		

F3	MAC		LLEN/DAVIDOFF		FUNCTION		SEP=75 PAGE	NO. S.D.
(000								
6982				35880	IFN	LENGTH-	2,<	
6983				35900		PUSHM		JET LENGTH ON STACK
6984				35920		PUSHM		AND POINTER
6985				35940		POP	В	TEXT POINTER HERE
6986				35960		POP	H>	CHARACTER COUNT HERE
6987	010417*		000054	35980	MOVSTR:	INR	L	
6988	010420	001000	000055	36000	MOVLP:	DCR	L	ISET CC'S
6989	010421*	001000	000310	36020		RZ		10. NO BYTE TO MOVE
6990	010422	001000	000012	36040		LDAX	В	IGET CHAR
6991	010423*		250000	36060		STAX	D	ISAVE IT
6992			000003	36080		INX	В	MOVE POINTERS
6993			000023	36100		INX	D	MOVE POINTERS
6994				36120		JMP	MOVLP	AMEED DOTNE IT
6995	010427		010420*	20150		JHE	HOAFE	KEEP DOING IT
6996	010430*	969696	010405*					
6997				36140	;			
6998				36160				ER TO A STRING DESCRIPTOR IN (D,E)
6999				36180				N [H,L]. ALL THE OTHER REGISTERS ARE MODIFIE
7000				36200				E IF THE STRING DESCRIPTOR (D,E) POINTS
7001				36220				DESCRIPTOR ALLOCATED BY PUTNEW.
7002				36240	; IF SO	, THE TEI	MPORARY IS	FREED UP BY THE UPDATING OF TEMPPT.
7003				36260	; IF A	TEMPORAR	Y IS FREED	UP, A FURTHER CHECK IS MADE TO SEE IF THE
7004				36280				RING TEMPORARY POINTED TO IS THE
7005				36300				G SPACE IN USE.
7006				36320				TO REFLECT THE FACT THAT THAT SPACE IS NO
7007				36340				ES DIFFICULTY FOR ASSIGNMENT ("LET") BECAUSE
7008				36360				ING FREED UP, NAMELY THE VALUE TO THE RIGHT
7009				36380				"LET", THE ACTUAL DATA
7010				36400				CE A VARIABLE IS BEING SET UP TO POINT
7011				36420				
								P BY SETTING THE LENGTH OF THE
7012				36440	; TEMPO	KARY TO	ZERO TEMPOR	ARILY.
7013				36460	1			
7014	010431		000315	36480	FRESTR:	CALL	CHKSTR	MAKE SURE ITS A STRING
7015	010432'		010333*					
7016	010433		010427*					
7017			000052	36500	FREFAC:	LHLD	FACLO	
7018	010435	000000	001637*					
7019	010436	000000	010432*					
7020	010437*		000353	36520	FRETM2:	XCHG		FREE UP THE TEMP IN THE FACLO
7021			000052	36540	FRETMP:		TEMPPT	GET TEMP POINTER
	010441*		001547	202-0				roe. Isin roanten
	010442*		010435					
7024			000053	36560		DCX	н	ILOUK AT WHAT IS IN THE LAST TEMP
7025			000106			MOV		
				36580			В, М	; [B,C] = POINTER AT STRING
	010445*		000053	36600		OCX	H	DECREMENT TEMPPT BY STRSIZ
7027	010446		000116	36620		MOV	C, M	
7028	010447	001000	000053	36640		DCX	н	
7029				36660	IFN	LENGTH		
7030				36680		DCX	H>	
7031	010450	001000	000347	36700		COMPAR		SEE IF (D.E) POINT AT THE LAST
7032	010451*	001000	000353	36720		XCHG		RETURN WITH [H.L]
7033				36740		7		IPDINTING AT CURRENT DESCRIPTOR
7034	010452	001000	000300	36760		RNZ		RETURN NOW IF NOW FREEING DONE

TOBULLA EVALLATION

•

			LLEN/DAVIDOFF				SEP=75 PAGE 2	26=11
3	MAC	6=SEP=	64 03:11	STRING	FUNCTION	5		
7035	010453*		000042	36780		SHLD	TEMPPT	JUPDATE THE TEMP POINTER SINCE
7036	010454	000000	001547*					
7037	010455	000000	010441*					
7038				36800				IITS BEEN DECREMENTED BY 4
7039	010456		000325	36820		PUSH	0	SAVE [D,E] TO RETURN IN [H,L]
7040	010457	001000	000120	36840		MOV	0,8	(D,E) = POINTER AT STRING
7041	010460*	001000	000131	36860		MOV	E,C	
7042	010461*		000033	36880		DCX	D	SUBTRACT ONE
7043	010462*	001000	000116	36900		MOV	C,M	; [C] = LENGTH OF THE STRING FREED
7044	010463		000052	36920		LHLO	FRETOP	ISEE IF ITS THE FIRST
7045	010464*		001573*					
7046	010465*		010454*					
7947			The Part of the Pa	36940				ONE IN STRING SPACE
7048	010466*	001000	000347	36960		COMPAR		
7049	010467		000302	36980		JNZ	NOTLST	IND SO DON'T ADD
7050	010470		010477*			100		
7051	010471		010464*					
	010472		000107	37000		MOV	B, A	1 MAKE (B) =0
7053	010473		000011	37020		DAD	В	IADD
7054	010474		000042	37040		SHLD	FRETOP	AND UPDATE FRETOP
7055	010475		001573*	3,040				, and or only interest
	010476		010470*					
7057	010477		000341	37060	NOTEST:	POP	н	GET POINTER AT CURRENT DESCRIPT
7058	010500		000311	37080		RET		APEL LOTHICK WI COMMENT DESCRIPTION
7059	010300.	-01660	000011	37100	,			
7060				37120	THE E	INCTION	IENCEL PETUDA	IS THE LENGTH OF THE
7061				37140			AS AN ARGUME	
7062				37160	SIKTM	FASSED	AS AN ARGUME	.N.I
	010501	001000	000001	37180	LEN:	LXI	8, SNGFLT	ICALL SNGFLT WHEN DONE
				3/100	FEM:	FYI	D'OMPL TI	THE SHOPLI WHEN DONE
7064	010502		007400					
7065	010503		010475	77300		Dueu	0	ALTHE BO
7066	010504		000305	37200	. rue.	PUSH	8	ILIKE SO
7067			000315	37220	LEN1:	CALL	FRESTR	FREE UP TEMP POINTED TO BY FACLE
7068	010506		010431					
7069	010507		010502*	****				
7070	010510		000257	37240		XRA	A	FORCE NUMERIC FLAG
7071	010511	001000	000127	37260	1202000	MOV	D, A	SET HIGH OF (D,E) TO ZERO FOR V
7072				37280	IFN	LENGTH-		
7073				37300		STA	VALTYP>	
7074	010512*		000176	37320		MOV	A,M	
7075	010513		000267	37340		ORA	A	SET CONDITION CODES ON LENGTH
7076	010514	001000	000311	37360		RET		RETURN
7077				37380	,			
7078				37400) FUNCTION. IT RETURNS AN INTEGER
7079				37420			DECIMAL ASCII	
7080				37440	;			
7081	010515*	001000	000315	37460	ASC:	CALL	LEN1	SET UP ORIGINAL STR
7082	010516		010505*					
7083	010517	000000	010506*					
7084	010520*		000312	37480		JZ	FCERR	INULL STR, BAD ARG.
		000000	010776*	2.400				,
7085								
7085	010522		010516					

. .

•

F3 MAC GATES/ALLEN/DAVIDOFF F3 MAC G=SEP=64 03:11				MACRO 47(113) 03:12 10=SEP=75 PAGE 26=12 STRING FUNCTIONS							
700											
7088 7089				37520	IFN	LENGTH-					
				37540		INX	H>	BUMP POINTER			
7090	010524			37560		PUSHM		GET ADDRESS			
7091				37580		POP	Н	GET ADDR IN (H,L)			
7092		001000	000176	37600		MOV	A,M	GET FIRST CHAR			
	010527*			37620		JMP	SNGFLT	SNGFLT IT			
7094			007400								
	010531	000000	010521								
7096				37640	;						
7097				37660				CONTAINS AS ITS ONLY			
7098				37680				OF THE INTEGER ARG (#)			
7099				37700	; WHICH	MUST BE	.LT. 255.				
7100				37720	;						
7101				37740	CHRS:	MVI	A, 1	JONE CHARACTER STR			
7102											
7103				37760		CALL	STRINI	GET STRING IN DSCTMP			
7104											
7105	010536*	000000	010530*								
7106				37780		CALL	CONINT	GET INTEGER IN RANGE			
7107	010540*	000000	011023*								
7108	010541	000000	010535*								
7109	010542*	001000	000052	37800		LHLD	DSCTMP+2	JGET ADDR OF STR			
7110	010543	000000	001572*								
7111	010544*	000000	010540*								
7112	010545*			37820		MOV	M,E	ISAVE ASCII BYTE			
	010546*			37840	FINBCK:		В	RETURN TO HIGHER LEVEL &			
7114				37860				ISKIP THE CHKNUM CALL.			
7115		001000	000303	37880		JMP	PUTNEW	160 CALL PUTNEW			
	010550*							The state of the s			
7117			010543								
7118				37900	1						
7119				37920	I THE F	DLLOWING	IS THE LEFTS (S.A	FUNCTION.			
7120				37940	IT TAI	KES THE	LEFTMOST # CHARS	OF THE STR.			
7121				37960	1 IF #	IS .GT.	THAN THE LEN OF T	HE STR, IT RETURNS THE WHOLE STR			
7122				37980	1		The second of th	The same of the sa			
7123	010552*	001000	000315	38000	LEFTS:	CALL	PREAM	ITEST THE PARAMETERS			
7124								,,,,,			
7125											
7126				38020		XRA	A	JLEFT NEVER CHANGES STRING POINT			
7127				38949	LEFT3:	XTHL		ISAVE TEXT POINTER			
7128				38060		MOV	C.A	JOFFSET NOW IN [C]			
7129				38080	LEFT2:	PUSH	н	ISAVE DESC. FOR FRETMP			
7130				38100		MOV	A.M	GET STRING LENGTH			
7131		001000	000270	38120		CMP	8	JENTIRE STRING WANTED?			
7132				38140		JC	ALLSTR	IF #CHARS ASKED FOR GE LENGTH, Y			
7133								A TOWNS TOWNS TOWNS TO THE TOWN THE TOW			
7134											
7135				38160		MOV	A,B	GET TRUNCATED LENGTH OF STRING			
7136				38180		XWD		ISKIP OVER MVI USING "LXI D."			
7137				38200	ALLSTR:		C.0	MAKE OFFSET ZERO			
7138				20500	ALLOIN.		0,0	THANK OFFICE PERCO			
7139				38220		PUSH	В	ISAVE OFFSET ON STACK			
		001000		38240		CALL	GETSPA	JET SPACE FOR NEW STRING			
7140											

F3		BASIC MCS 8080 GATES/ALLEN/DAVIDUFF							
	F3 MAC 6=SEP=64 03:11			STRING	FUNCTION	5			
71	141	010574	000000	007772*					
71	142	010575	000000	010564*					
71	143	010576	001000	000301	38260		POP	В	JGET BACK OFFSET
71	144	010577	001000	000341	38280		POP	н	IGET BACK DESC POINTER.
		010600		000345	38300		PUSH	н	BUT KEEP ON STACK
		010601		000043	38320		INX	н	MOVE TO STRING POINTER FIELD
	147			00000	38340	IFN	LENGTH		There is single together takes
71	148				38360	-	INX	H>	
71	149	010602*	991999	000106	38380		MOV	B, M	GET POINTER LOW
				000043	38400		INX	Н	1
		010604		000146	38420		MDV	H.M	POINTER HIGH
		010605		000150	38440		MOV	L.B	GET LOW IN L
		010606		000006	38460		MVI	8,0	JET READY TO ADD OFFSET TO POINTE
		010607		000000	30400		114.7	0,0	JOET READT TO ADD OFFSET TO POINTE
		010610		000011	38480		DAD	В	****
		010611		000104	38500		MOV		JADD IT
		010015,						в,н	GET OFFSET POINTER IN (B,C)
				000115	38520		MOV	C,L	ACAME THEO THE DECEME
				000315	38540		CALL	STRADZ	SAVE INFO IN DECTMP
		010614		007627					
		010615		010574*					
	161	010616		000157	38560		MOV	L,A	GET# OF CHARS TO MOVE IN L
		010617		000315	38580		CALL	MOVSTR	MOVE THEM IN
		010650,		010417					
		010651,		010614					
	165	010655,		000321	38600		POP	0	GET BACK DESC. POINTER
	166	010623		000315	38620		CALL	FRETMP	FREE IT UP.
	167	010624		010440					
	168	010625		010620*					
	169	010626*		900303	38640		JMP	PUTNEW	PUT TEMP IN TEMP LIST
		010627		007705*					
	171	010630	000000	010624*					
7 1	172								
71	173	010631*	001000	000315	38680	RIGHTS:	CALL	PREAM	CHECK ARG
71	174	010632*	000000	010764*					
	175	010633*		010627*					
	176	010634*		000321	38700		POP	0	GET DESC. POINTER
	177	010635*		000325	38720		PUSH	D	SAVE BACK FOR LEFT
	178	010636		000032	38740		LDAX	D	JGET PRESENT LEN OF STR
		010637	001000	080850	38760		SUB	В	ISUBTRACT 2ND PARM
		010640		000303	38780		JMP	LEFT3	CONTINUE WITH LEFT CODE
		010641		010556*	30100			Per 13	Acquiring will pril cope
		010642		010632*					
	183	STABAK.	999999	01003E	38800				
	184				38820	, MID (. 41 00	TUDNE CTO HT	THE CHARGE EROH & ROSTTION
									TH CHARS FROM # POSITION
	185				38840				THEN RETURN NULL STRING.
	186				38860				WITH CHARS FROM # POSITION
	187				38880				PAST END OF STRING, RETURN
	188				38900	AS MU	LH AS P	OSSIBLE.	
	189				38920	;			TOTAL ON THE SAME OF THE SAME
		010643		000353	38940	MIDS:	XCHG		PUT THE TEXT POINTER IN (H,L)
	191	010644		000176	38960		MOV	A,M	GET THE FIRST CHARACTER
71	192	010645	001000	000315	38980		CALL	PREAM2	GET OFFSET OFF STACK AND MAKE
	193	0101066	000000	010767*					

F3	NAC		64 03:11				SEP=75 PAGE 26=14	
r 3	MAG	6=3EF=	64 03:11	STRING	FUNCTION	5		
	010647*	000000	010641*					
7195				39000				SURE DOES NOT # 0.
7196	010650*	001000	000305	39020		PUSH	В	IPUT OFFSET ON TO THE STACK
7197	010651	001000	000036	39040		MVI	E,255	; IF TWO ARG GUY, TRUNCATE.
7198	010652*	000000	000377					
7199	0106531	001000	000376	39060		CPI	")"	
7200	010654*	000000	000051					
7201	010655	001000	000312	39080		JZ	MIDS	I (E) SAYS USE ALL CHARS
7202	010656*							, (2) 0110 000 120
7203	010657*							
7284				39100				IF ONE ARGUMENT THIS IS CORRECT
	010660*	801688	000317	39120		SYNCHK	44	COMMA? MUST DELINEATE 3RD ARG
				37160		STRUM	**	TOWNER HOST DELINEATE SKD AKS
	0106621			39140		CALL	GETBYT	GET ARGUMENT IN [E]
				37140		CALL	GEIDII	ARE I WERNEN! IN [E]
	010664							
7210	010665	000000	010000	70160	HID2.	CHNCH	")"	ANUET DE FOLLOHED DE L
				39160	wIDS:	SYNCHK	")"	MUST BE FOLLOWED BY)
				70.00				
		001000	000361	39180		POP	PSW	GET OFFSET BACK IN A
7213	010670	001000	000343	39200		XTHL		SAVE TEXT POINTER, GET DESC.
	010671			39250		LXI	B, LEFT2	WHERE TO RETURN TO.
	010672							
7216	010673	000000	010663					
7217	010674	001000	000305	39240		PUSH	8	IGOES ON STACK
7218		001000	000075	39260		DCR	A	ISUB ONE FROM OFFSET
7219	010676	001000	000276	39280		CMP	М	POINTER PAST END OF STR?
	010677			39300		MVI	8,0	ASSUME NULL LENGTH STR
	010700							
	010701'			39320		RNC		IYES, JUST USE NULL STR
	0107020			39340		MOV	C, A	ISAVE OFFSET OF CHARACTER POINT
	010703			39360		MOV	A,M	GET PRESENT LEN OF STR
	010704*			39380		SUB	C	ISUBTRACT INDEX (2ND ARG)
	010705*	001000	000273	39400		CMP	E	IS IT TRUNCATION
7227	010706*	001000	000107	39420		MOV	B . A	GET CALCED LENGTH IN B
	010707*			39440		RC		IF NOT USE PARTIAL STR
7229	010710			39460		MOV	8,E	JUSE TRUNCATED LENGTH
7230	010711			39480		RET>	-,-	RETURN TO LEFTE
7231			The state of the s	39500	IFN LEN			
7232				39520	1			
7233				39540	I THE F	DLLOWING	FUNCTIONS ALLOW	THE
7234				39560			ESS TO THE ALTAIR	
7235				39580				SER WHICH IS THE STATUS
7236				39600				ALUE PUTS OUT THE INTEGER
7237				39620				TATEMENT, NOT A FUNCTION.
7238				39640	TALUE	UN CHAN	HER M. 11 10 A 31	ALLENGT, NOT A FUNCTION.
	010712*	001000	000315	39660	FNINP:	CALL	CONINT	GET INTEGER CHANNEL #
7240	010713	999999	011023*	37000	FINANP:	CALL	CONTINI	AGE THIEREK CHANNEL #
7241								
	010714			30/00			********	ACTU THE BURNO
	010715			39680		STA	INPWRD+1	GEN INP INSTR
	010716							
			010713*					
	010717		000333	39700	INPWRD:		0	THE INP INSTR

TOOMLER EVALLATION

0

•

•

•

			LLEN/DAVIDOFF				SEP-75 PAGE	26=15
3	MAC	6=SEP=	64 03:11	STRING	FUNCTION	5		
7247	010722*	001000	000303	39720		JMP	SNGFLT	SNGFLT RESULT
7248	010723	000000	007400*					
7249	010724	000000	010716					
7250								
7251	0107251	001000	000315	39760	FNOUT:	CALL	SETIO	JGET READY
7252	010726	000000	011003*					
7253	010727	000000	010723*					
7254	010730	001000	000323	39780	OUTWRD:	DUT	0	;00 IT
7255	010731	000000	000000					
7256	010732	001000	000311	39800		RET		; AND THATS ALL
7257				39820	1			
7258				39840	; THE W.	AIT CHAN	INEL#, MASK, MA	SK2 WAITS UNTIL THE STATUS
7259				39860	; RETUR	NED BY C	HANNEL# IS N	ON ZERO WHEN XORED WITH MASK2
7260				39880	AND T	HEN ANDE	D WITH MASK.	IF MASKE IS NOT PRESENT IT IS ASSUMED
7261				39900	; TO BE		•	
7262				39920	,			
7263		001000		39940	FNWAIT:	CALL	SETIO	SET UP FOR WAIT
7264	010734	000000	011003*					
7265	010735	000000	010726					
7266	010736	001000	000365	39960		PUSH	PSW	ISAVE THE MASK
7267	010737	001000	000036	39980		MVI	E,0	IDEFAULT MASKS TO ZERO
7268	010740*	000000	000000					
7269	010741	001000		40000		DCX	Н	
7270	010742	001000	000327	40020		CHRGET		SEE IF THE STATEMENT ENDED
7271	010745*	001000	000312	40040		JZ	NOTTHR	FIF NO THIRD ARGUMENT SKIP THIS
7272	010744*	000000	010753*					
7273	010745*	000000	010734*					
7274	010746	001000	000317	40060		SYNCHK	44	MAKE SURE THERE IS A ","
7275	010747	000000	000054					
7276	010750*	001000	000315	40080		CALL	GETBYT	
7277	010751	000000	011020					
7278	010752*	000000	010744*					
7279	010753*	001000	000301	40100	NOTTHR:	POP	В	REGET THE "AND" MASK
7280	010754*	001000	000333	40120	STAINP:	IN	0	THE INPUT INSTR
7281	010755*	000000	000000					
7282	010756	001000	000253	40140		XRA	E	XOR WITH MASK2
7283			000240	40160		ANA	В	JAND WITH MASK
7284		001000	000312	40180		JZ	STAINP	; LOOP UNTIL RESULT IS NON-ZERO
7285	010761	000000	010754*					
7286	010762	000000	010751*					
7287				40200				; NOTE: THIS LOOP CANNOT BE CONTROL-C'ED
7288				40220				JUNLESS THE WAIT IS BEING DONE ON CHANN
7289				40240				ZERO. HOWEVER A RESTART AT Ø IS OK.
7290	010763*	001000	000311	40260		RET>		
7291				40280	IFN	STRING,	<	
7292				40300	;USED 8	Y RIGHTS	AND LEFTS F	OR PARAMETER CHECKING AND SETUP
7293	010764*	001000	000353	40320	PREAM:			; PUT THE TEXT POINTER IN [H,L]
7294	010765*	001000	000317	40340		SYNCHK	")"	PARAM LIST SHOULD END
7295	010766*	000000	000051				260	
7296				40360	JUSED B	Y MIDS F	OR PARAMETER	CHECKING AND SETUP
7297	010767	001000	000301	40380	PREAM2:		В	JGET RETURN ADDR OFF STACK
7298		001000		40400		POP	D	GET LENGTH OF ARG OFF STACK
7299			000305	40420		PUSH	В	SAVE RETURN ADDR BACK ON