F3	MAC		LLEN/DAVIDOFF 64 03:11				O-SEP-75 PAGE 8 COMPACTIFICATI	ION, NEW, CLEAR, MAIN
2290	002533*	001000	000257	33720		XRA	A	
2291	002534	001000	000065	33740		STA	DORES>	; ALLOW CRUNCHING
2595	002535*	000000	001544*					
2293	002536	000000	002531*					
2294	002537	001000	000016	33760		IVM	C,5	COUNT OF CHARS AT LEAST 5
2295	002540	000000	000005					
5596	002541	001000	0000051	33780		LXI	D, BUF	SETUP DESTINATION POINTER
2297			001431*					
2298								
5599	002544	001000	000176	33800	KLOOP:	MOV	A,M	JGET CHARACTER FROM BUF
2300	002545	001000	000376	33820		CPI	" "	IS IT A SPACE WE WANT TO SAVE
2301		000000						
5305	002547	001000	000312	33840		JZ	STUFFH	YES, STUFF IN DESTINATION LINE.
2303		000000	002667*					
2304			002542*					
2305	002552	001000	000107	33860		MOV	B, A	GET A CHARACTER FROM THE LINE
5306				33880				SETUP B WITH A QUOTE IF IT IS A STRING
2307			000376	33900		CPI	34	QUOTE SIGN?
5308			000042					
5309				33920		JZ	STRNG	YES, GO TO SPECIAL STRING HANDLING
2310			002727					
2311			002550					
5315			000267	33940		ORA	A	; END OF LINE?
2313				33960		JZ	CRDONE	YES, DONE CRUNCHING
2314			002753*					
2315		000000	002556					
2316				33980	IFN	STRIN		
2317			000072	34000		LDA	DORES	IN DATA STATEMENT AND NO CRUNCH?
2318			001544					
2319			002562*					
5350				34020		ORA	A	
5351			000107	34040		MOV	B, A	INITIALIZE RESERVED WORD COUNT
5355			000176	34060		MOV	A,M	GET THE CHARACTER AGAIN
2323			000305	34080		JNZ	STUFFH>	JIF NO CRUNCHING JUST STORE
2324			002667					
2325		900000	002565*	20100				
2326				34100	754	LENGT		THE CHARACTER
2327	993575	991999	000376	34120	IFN	LENGTI	1,4	NOT FOR 4K VERSION
2328			000376	34140		CPI		; A GMARK?
2330			000076	34160		MVI	A, PRINTK	
2331			000231	34160		UAT	W'LKTIMIK	
2332				34180		JZ	STUFFH	THEN USE A "PRINT" TOKEN
2333			002667	34100		32	alurrh	THEN OPE W "LKTNI" LOKEN
2334			002573					
2335			000176	34200		MOV	A, M	
2336				34220		CPI	11011	SKIP NUMERICS
2337				34660		011		ISMIT HUMEKICS
2338				34240		JC	MUSTCR	TOTALE COUNCILING TO SLOW
2339	0026101	901000	002617*	34240		00	HUSTUR	SINCE CRUNCHING IS SLOW
2340			865685,					
2341				34260		CPI	40	THE ALSO BUT TH OUTCH! Y
2342		899899	000074	34200		CL1	60	;":" ALSO PUT IN QUICKLY
C 346	005013	000000	000014					

F3	MCS 8080		LLEN/DAVIDOFF				SEP#75 PAGE 8#9 COMPACTIFICATION,	NEW, CLEAR, MAIN
2343	002614*	001000	000332	34280		JC	STUFFH	
2344		000000		700				
2345								
2346		000000	500010	34300	MUSTER:	>		
2347		801000	000325	34320		PUSH	0	ISAVE STORE POINTER .
2348		001000	000323	34340	IFE	STRING,		JOHNE STORE POINTER
2349				34360	11.0	MVI	8,0>	INIT RESERVED WORD COUNT
2350		001000	000021	34380		LXI		
				34300		FXI	D, RESLST-1	INIT TO RESERVED WORD LIST
2351								
2352								
2353				34400		PUSH	н	SAVE IN BUF POINTER
2354				34420		XMD	*01000,*076	"MYI" AROUND CHRGET
2355				34440	NXTRES:			JGET CHAR FROM LINE
2356				34460		INX	D	BUMP DEPOSIT POINTER
2357				34480	RESER:	LDAX	D	JGET A BYTE FROM RESERVED WORD LIST
2358				34500		ANI	127	GET RID OF SIGN BIT
2359	002631	000000	000177					
2360	002632	001000	000312	34520		JZ	TABEND	JEND OF RESERVED WORD TABLE
2361		000000	002653*					
5365								
2363				34540		CMP	м	THO CHARS THE SAME?
2364				34560		JNZ	NTHIS	INO, DIFFERENT
2365				34300		4.1.6		INO, DILLEGENI
2366								
2367				34580		LDAX	D	.OFT OFOCOUSE HODE OWER
2368								GET RESERVED WORD BYTE
		001000	000561	34600		ORA	A	SET CONDITION CODES
2369				34620		JP	NXTRES	; IF SIGN SET, RESERVED WORD FOUND
2370								
2371			002637					
2372				34640	FOUND:	POP	PSW	TAKE OFF GARBAGE ORIG POINTER
2373				34660		MOV	A,B	GET RESERVED WORD #
2374			000366	34680		ORI	128	ISET MSB TO FLAG AS RESERVED WORD
2375	002651	0000000	000200					
2376				34700		XWD	-01000,-0362	"JP" AROUND THE POP H AND MOV A.M
2377	002653*	001000	000341	34720	TABEND:	POP	Н	JGET BACK ORIG POINTER
2378				34740		MOV	A, M	JGET BACK ORIG CHAR
2379			000321	34760		POP	0	JGET STUFF POINTER BACK
2380			1777777	34780	IFE	LENGTH-		
2381		991999	000353	34800		XCHG		; (H,L) =STUFF POINTER
2382			000376	34820		CPI	ELSETK	THAVE TO PUT A HIDDEN
2383				34056			LEGETA	THE TO PUT A HIDDEN
	BBE 998.	066686	000000	34840				ACOLON AN ECONT OF BELLERIE
2384	000	001000	000011				W W - W	COLON IN FRONT OF "ELSE"S
2385				34860		MVI	м,":"	STORE IT
2386			000072	****				
2387				34880		CZ	INXHRT##	JADVANCE POINTER ON "ELSE"
2388								
2389		000000	.005944.					
2390				34900				\$50 ONLY ON "ELSE" THE COLON IS NOT OVERWRITT
2391								
2392	002666	001000	000353	34920		XCHG>		; [O,E] =STUFF POINTER
2393				34940	STUFFH:		н	JENTRY TO BUMP [H,L]
2394				34960		STAX	D	ISAVE CHARACTER IN CRUNCHED LINE
2395				34980		INX	D	BUMP SAVE POINTER

F	3	MAC	6=SEP=	64 03:11	ERROR	HANDLER,	READY, C	DMPACTIF	ICATION,	NEW, CLEAR, MAIN
	2396	002672*	001000	000014	35000		INR	С		BUMP CRUNCHED CHARACTER COUNT
		0034334	001000	000776	35020	IFN	STRING,			
	2398	0026734		000326	35040		SUI	":"		ISEE IF IT IS A COLON
	2399	002674	0000000	000072	200/0					
	2400	002675	001000		35060		JZ	COLIS		; IF SO ALLOW CRUNCHING AGAIN
	2401	002676		002705*						
	2402			002664						
	2403	002700		000376	35080		CPI	DATATK-		
	2404	002701		000111	30400					
	2405	0027021		000302	35100		JNZ	NUDATT		SEE IF IT IS A DATA TOKEN
	2406	0027031		005110,						
	2407	002704		002676*						
	2408	002705		000065	35120	COLIS:	STA	DORES		SETUP FLAG
	2409	002706		001544*						
	2410	002707		002703*						
	2411	002710		000326	35140	NODATT:	SUI	REMTK-"	:">	
	2412	002711	888888	000124	*****					
	2413				35160	IFE	STRING,		REMTK>	JWAS IT A REM STATEMENT
	2414	002712		000305	35180		JNZ	KLOOP		KEEP LOOPING
	2415	0027131		002544*						
	2416	002714		002706				2 8		
	2417	002715		000107	35200		MOV	B, A		FREM DOESN'T STOP ON ";", ONLY ON A ZER
	2418	002716		000176	35220	STR1:	MOV	A,M		JGET A CHAR
	2419	002717		000267	35240		DRA	A		SET CONDITION CODES
	2420	002720		000312	35260		JZ	CROONE		IF END OF LINE THEN DONE
	2421	002721		002753*						
	2422	002722		002713						
	2423	002723		000270	35280		CMP	В		FEND OF GOBBLE
	2424	002724		000312	35300		JZ	STUFFH		; IF YES, DONE WITH STRING
	2425	002725		002667						
	2426			002721						
	2427	002727		000043	35320	STRNG:		н		INCREMENT TEXT POINTER
	2428	002730		000055	35340		STAX	0		STORE CHAR
	2429	002731		000014	35360		INR	C		BUMP COUNT
	2430	002732€		000023	35380		INX	0		AND POINTER
	2431	002733		000303	35400		JMP	STR1		KEEP LOOPING
	2432	002734		002716*						
	2433	002735	000000	002725*						
	2434									
	2435	002736		000341	35440	NTHIS:	POP	н		RESTORE TEXT STRING
	2436	002737		000345	35460		PUSH	н		AND SAVE IT BACK
	2437	002740		000004	35480		INR	8		INCREMENT RESERVED WORD #
	2438	002741*		000353	35500		XCHG			RESLST POINTER INTO [H,L]
	2439	002742*		000266	35520	NTHIS1:		м		TEST BITS IN RESERVED WORD LIST
	2440	002743		000043	35540		INX	н		
	2441	002744		000362	35560		JP	NTHIS1		;SKIP MORE
	2442	002745	000000	002742*						
	2443	002746		002734*						
	2444	002747		000353	35580		XCHG			RESUST POINTER INTO [D.E]
	2445				35600					TEXT POINTER INTO (H,L)
	2446	002750	001000	000303	35620		JMP	RESER		IDONE, MOVE TO NEXT RESERVED WORD
	2447	002751*		002627*			-			,,
	2448			002745*						

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F3	MAC		LLEN/DAVIDOFF				SEP-75 PAGE 8-1 OMPACTIFICATION	, NEW, CLEAR, MAIN
2449	002753*	001000	000041	35640	CROONE:	LXI	H, BUFMIN	; LEAVE WITH [H,L] POINTER TO START OF LINE
	002754*						,	TERRIT MAIN LINES FORMER TO STANT OF EINE
	002755							
	002756			35660		STAX	D	INEED THREE 0'S ON THE END
	002757			35680		INX	0	IONE FOR END-OF-LINE
	002760			35700		STAX	0	JAND 2 FOR A ZERO LINK
2456	002761*	001000	000022	35720		INX	D	
2455	002762	001000	969653	35740		STAX	D	SINCE IF THIS IS A DIRECT STATEMENT
							U	ITS END MUST LOOK LIKE THE END OF A PROGR
	002763	601000	000311	35760		RET		IEND OF CRUNCHING
2458				35780				
2459				35800			INE INPUT ROUTI	
2460				35820	; IT RE	ADS CHAR	ACTERS INTO BUF	USING AS THE
2461				35840				ND # AS THE LINE DELETE CHARACTER
2462				35860	; IF MO	RE THAN	BUFLEN CHARACTE	R ARE TYPED, NO ECHOING
2463				35880	; IS DO	NE UNTIL	A . P DR CARR	IAGE-RETURN IS TYPED.
2464				35900	; CONTR	OL=G WIL	L BE TYPED FOR	EACH EXTRA CHARACTER.
2465				35920	; THE R	OUTINE I	S ENTERED AT IN	LIN
2466				35940	;			
2467	002764	001000	000005	35960	LINLIN:	DCR	В	BACK ARROW SO DECREMENT COUNT
2468	002765	001000	000053	35980		DCX	Н	BACK UP POINTER
2469				36000	IFN	REALID.	<	
2470	802766	001000	000337	36020		OUTCHR>		
2471	002767*	801000	000302	36040		JNZ	INLINC	INOT TOO MANY SO CONTINUE
	002770*			30040			1	THE THE PART OF CONTENDE
	002771							
	002772	000000	865134	36060	INLINN:	TEN	REALID. <	
	0027721	901000	999337	36080	THETHM	OUTCHR>	MEALID,	PRINT THE . OR A SECOND . IF THERE
2476	SSELLE.	001000	868331	36100		UUILHKA		WERE TOO MANY
	002773*	001000	000746	36120		CALL	CRDO	ITYPE A CRLF
		001000	004523*	30150		CALL	CROU	TITE A CKLF
	002774							
	002775							
	002776			36140	INLIN:	LXI	H, BUF	
	002777							
	003000		002774*					
	003001			36160		MVI	B, 1	CHARACTER COUNT
	003005		000001					
	003005		000315	36180	INLINC:	CALL	INCHR	JGET A CHARACTER
	003004*							
	003005	000000	002777*					
2488				36182	IFN	LENGTH,	<	
2489	003006	001000	000376	36184		CPI	7	IS IT BOB ALBRECHT RINGING THE BELL
	003007*		000007				776	
	003010*		000312	36186		JZ	GOODCH>	FOR SCHOOL KIDS?
	003011*		003044*					
	0030121							
	003013			36200		CPI	13	IS IT A CARRIAGE RETURN?
	003014			30200		OF 1	13	ATO THE CHUMING WELDKING
	003015		000013	36220		JZ	FININL	TE SO STATEM NO
				30550		32	LTHINE	; IF SO FINISH UP
	003016*		004516					
	003017						**	
	003020		000376	36240		CPI	32	CHECK FOR FUNNY CHARACTERS
2500	003021		000040			JC	INLINC	
			000332	36260				

F3	MAC		LLEN/DAVIDOFF				EP-75 PAGE 8-12	
r 3	MAL	6=SEP=	64 03:11	ERRUR	HANDLER,	READY, CO	MPACTIFICATION,	NEW, CLEAR, MAIN
2502			003003*					
2503	003024*	000000	003016*					
2504	003025	001000	000376	36280		CPI	125	
2505	003026*	RESERVE	000175					
2506	003027	001000	000322	36300		JNC	INLINC	;BIG ONES BAD TOO
2507			003003*					7010 0100 010 100
2508			003023*					
2509			000376	36320		CPI	11 g 11	;LINE DELETE?
2510			000100	30320			7	TELLE DECELET
2511			000312	36340		JZ	INLINN	
2512			002772	30340			11121111	
2513			003030*					
2514			000376	36360		CPI	"_"	CHARACTER DELETE?
2515			000137	30300		OF 1	+	TCHARACTER DELETER
2516			000312	36380		JZ	LINLIN	
2517			002764*	30300			PAMPAM	
2518			003035*					
2519			000117	36400	GOODCH:	MOV	C.A	
2520			000170	36420	BOODCH:	MOV	A, B	
2521			000376	36440		CPI	BUFLEN	
2522			000110	30440		CFI	BUFLEN	
2523			000076	36460		MVI	A.7	ACCT - OCI - THE CARC - THE TOO - OVE
				36466		WAT	A, /	FGET A BELL IN CASE LINE TOO LONG.
2524		000000	000007				21206	
2525		001000	000355	36480		JNC	OUTBEL	; LINE TOO LONG, RING BELL.
2526			003061					
2527		000000	003042*					
2528			000171	36500		MOV	A,C	
2529		001000	000161	36520		MOV	M,C	ISTORE THIS CHARACTER
2530			000043	36540		INX	н	
2531		001000	000004	36560		INR	В	
2532	003061			36580	OUTBEL:			
2533				36600	IFN	REALID,	4	
2534			000337	36620		OUTCHR>		
2535			000303	36640		JMP	INLING	
2536			003003*					
2537	003064*	000000	003053*					
2538				36660	DUTCON:			
2539				36680	IFN	CONTRW,		
2540			000302	36700		JNZ	PPSWRT>	INO, DO OUTPUT
2541	003066		010024					
2542	003067	000000	003063					
2543				36720	IFN	REALID,		;MITS I/O
2544				36740	IFN	LPTSW, <		
2545				36760		LDA	PRTFLG	ISEE IF WE WANT TO TALK TO LPT
2546				36780		ORA	A	ITEST BITS
2547				36800		JZ	TTYCHR	IF ZERO THEN NOT
2548				36820		POP	PSW	GET CHARACTER WE WANT TO PRINT
2549				36840		PUSH	PSW	
2550				36860		CPI	13	; IS IT CARRIAGE RETURN?
2551				36880		CZ	PRINTW	FORCE OUT A LINE
2552				36900		JC	PPSWRT	FIF FUNNY CONTROL CHARACTER (LF) DO NOTHING
2553				36920			LPTPOS	JWHERE ARE WE?
2554				36940		CPI	LPTLEN	JAT THE END?
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3	MAC 6=SEF	-64 03:11	EKRUK	HANDLER,	READY, C	OMPACTIFICATION,	NEW, CLEAR, MAIN
2555			36960		CNC	PRINTW	YES, START OVER
2556			36980		INR	A	
2557			37000		STA	LPTPOS	
2558			37020	LPTWAT:		2	
2559			37040		ANI	2	
2560			37060		JZ	LPTWAT	
2561			37080		POP	PSW	
2562			37100		DUT	3	SEND OUT CHAR
2563			37120		RET	-	IRETURN
2564			37140	PATLET:		20	THETORIT
2565			37160	FINLPT:		A	PRESET PRINT FLAG SO OUTPUT
2566			37180		STA	PRTFLG	GOES TO THE TERMINAL
2567			37200		LDA	LPTPOS	SEE IF ANY LEFTOVERS MUST BE
2568			37220		ORA	A	FORCED OUT
2569			37240		RZ	^	BY LOOKING AT LPTPOS
2570			37260	PRINTW:			MAKE SURE LAST PRINT
2571			37280	PRINIM:	ANI	5	
2572			37300		JZ	PRINTW	FINISHED BY TESTING DONE
2573			37320			MUST BE EMPTIED	
2574			37340	, SEE II	LDA	LPTPOS	
2575			37360		ORA	LPIPUS	. OULD . ORFOR THE DUFFERD
						A	CHARACTERS IN THE BUFFER?
2576			37380		JNZ	PRINTR	IF SO DON'T CLEAR THE BUFFER
2577			37400		MVI	A, 4	OTHERWISE BUFFER MUST BE EMPTIED
2578			37420		OUT	5	CLEAR THE BUFFER
2579			37440				TO PRINT A BLANK LINE
2580			37460	PRINTR:		A, 1	TELL LPT TO PRINT
2581			37480		OUT	5	STATUS REG
2882			37500		DCR	A	; [A] = 0
2583			37520		STA	LPTPOS	RESET LINE PRINT POSITION
2584			37540		RET>		
2585	003070		37560	TTYCHR:			
2586			37580	IFN	STRING,		
2587	003070 001000		37600		POP	PSW	IGET THE CHARACTER
2588	003071 001000		37620		PUSH	PSW	JAND SAVE IT AGAIN
2589	003072' 001000		37640		CPI	32	IS THIS A MEANINGFUL CHARACTER?
2590	003073 000000						
2591	003074 001000		37660		JC	TRYOUT>	IF IT'S A NON-PRINTING CHARACTER
2592	003075 000000	003113*					
2593	003076 000000	003066					
2594			37680				DON'T INCLUDE IT IN TTYPOS
2595			37700	IFN	LENGTHI	CONTRWILPTSW. <	
2596	003077 001000	000072	37720	7.40	LDA	TTYPOS>	ISEE IF PRINT HEAD IS AT THE END OF THE LINE
2597	003100 000000						7000 20 111211 11212 20 111 1112 20 1111 22 112
2598	003101' 000000						
2599			37740		CPI	LINLEN	; MODIFIED BY "TERMINAL WIDTH?" QUESTION IN INI
5600	0031021 001000	000376	31140		0.1	CINCLI	August 10 of Strutture albins agenting In Int
2661	003103 000000						
5605	20210- 000006	003103*	37760	LINPT1=	1		
2603	003104* 001000		37780	E 11-	cz	CRDO	TYPE CRLF AND SET TTYPOS AND [A] =0 IF SO
2604	003105 000000		31100			CROO	THE CUEL WAS SEL LILLADS WAS TALED IL 20
2605	003105 000000						
			77800		TNO		ATHOROGHENE ETHORO OTHOR HEADS
2606	003107 001000	000074	37800		INR	A	INCREMENT TTYPOS SINCE WE'RE
2607			37820				IGOING TO PRINT A CHARACTER.

BAS	SIC ME	S 8080	GATES/A	LLEN/DAVIDOFF	MACRO	47(113) Ø.	3:12 16	-SEP-75 PAGE 8-14		
F3		MAC	6=SEP=	64 03:11	ERROR	HANDLER,	READY,	COMPACTIFICATION,	NEW, CLEAR, MAIN	
	2608	003110			37840		STA	TTYPOS	STORE NEW PRINT HEAD POST	1011
		003111	000000	000047*						
	2610		000000	003105						
	2611	003113			37860	TRYDUT:				
	2612				37880	IFN	REALIC			
	2613	003113		000333	37900	NOPRIN:	IN	Ø	GET STATUS	
	2614	003114	000000	000000						
	2615			003114*	37920	CNLCA1=			CONSOLE COMMAND CHANGE LC	OC.
		003115			37940		ANI	ODONE	OK TO SEND CHAR	
	2617	003116								
		003117			37960		JNZ	NOPRIN>	KEEP LOOPING	
		003120		003113*						
	5650			003111"						
	5651	003155.		000361	37980		PUP	PSW	GET CHARACTER BACK	
	5655	003123		000323	38000		OUT	TTOCHN	SEND OUT THE CHAR	
	2623	003124	000000	000001						
	2624			003124	38020	CNLCB1=			CONSOLE COMMAND CHANGE LO	C
	2625	003125	001000	000311	38040		RET		RETURN FROM OUTCHR	
	5656									
	2627									
		003126			38100	INCHR:		REALID, <		
	5659		001000		38120	TRYIN:	IN	Ø	GET STATUS	
	2630	003127	000000							
	2631			003127*	38140	CNLCA2=			CONSOLE COMMAND CHANGE LO)C
	2635	003130			38160		ANI	IDONE	TEST BIT	
	2633	003131								
	2634		001000		38180		JNZ	TRYIN>	JGO BACK & DO IT AGAIN	
	2635	003133		003126*						
	2636		000000							
	2637	003135	001000		38200		IN	TTICHN	JGET A CHAR	
	2638	003136	000000	000001						
	2639			003136	38220	CNTCB5=			CONSOLE COMMAND CHANGE LO	oc oc
	2640	003137			38240		ANI	127	IGET RID OF PARITY BIT	
	2641	003140	000000	000177						
	2642				38260	IFN	CONTR			
	2643	003141		000376	38280		CPI	CONTW	IS IT SUPRESS OUTPUT?	
		003142			200					
	2645		001000		38300		RNZ			
	2646		001000		38320		LDA	CNTWFL		
	2647			001541						
	2648		000000							
	2649	003147		000057	38340		CMA		COMPLEMENT ITS STATE	
	2650		001000		38360		STA	CNTWFL>	ISAVE BACK	
	2651			001541						
	2652			003145*						
		003153	001000	000311	38380		RET			
- 1	2654				38400	PAGE				

MAC 6-SEP-64 03:11	THE "L	IST" COMM	AND		
2655	38420	SUBTTL	THE "LI	ST" COMMAND	
2656					
2657	38460	IFN	LENGTH-		
2658	38480	IFN	LPTSW, <		
2659	38500	LLIST:	MVI	A, 1	GET NON ZERO VALUE
2660	38520		STA	PRTFLG>	ISAVE IN I/O FLAG
2661	38540	LIST:	CALL	LINGET	GET LINE NUMBER INTO (D,E)
5665	38560		RNZ		INUST BE A TERMINATOR OR ERROR
2663	38580		POP	В	GET RID OF NEWSTY RETURN ADDR
2664	38600		CALL	FNDLIN	FIND LINE GREATER THAN OR EQUAL TO
2665	38620		PUSH	В	SAVE START POINTER
2666	38640	LIST4:	POP	н	GET POINTER TO LINE
2667	38660		PUSHM	12	; PUSH LINK
2668	38680		POP	В	TAKE OFF FOR A SECUND
2669	38700		MOV	A, B	SEE IF END OF CHAIN
2670	38720		ORA	C	
2671	38740		JZ	READY	
2672	38760	IFN	LISTEN,		
2673	38780		CALL	ISCNTC>	CHECK FOR CONTROL -C
2674	38800		PUSH	В	IPUT BACK ON
2675	38820		CALL	CRDO	DO CREF TO START OUT
2676	38840		PUSHM		PUSH LINE #
2677	38860		XTHL		GET LINE # INTO (H,L)
2678	38880				AND WE WANT [H,L] ON THE STACK
2679	38900		CALL	LINPRT	PRINT AS INT WITOUT LEADING SPACE
2680	38920		MVI	A," "	
2681	38940	PRIT4:	POP	н	RESTORE POINTER TO START OF TEXT
5685	38960	PLOOP:	OUTCHR		JALWAYS A SPACE AFTER THE LINE #
2683	38980		MOV	A, M	GET A CHARACTER FROM LINE.
2684	39000		ORA	A H	IS IT A RESERVED WORD
2685	39020		INX		INCREMENT POINTER INTO TEXT
2686	39040		JZ JP	LIST4	ZERO, END OF LINE, GET NEXT LINE
2687	39060			PLOOP	REGULAR CHAR, JUST PRINT IT
2688	39080		SUI	127	GET RID OF SIGN BIT AND ADD ONE
2689	39100		MOV	C, A	GET RESERVED WORD # IN C
2690	39120		PUSH	H	SAVE CURRENT POSIT
2691	39140	0500000	LXI	D, RESLST	GET RESLET POINTER.
2692	39160	RESECH:	PUSH	U	ISAVE
2693	39180				
2694	39200	RESCR1:		0	GET CHARACTER FROM RESLST
2695	39220		INX	D	BUMP RESLET POINTER
2696			JP	A RESCR1	ITEST BITS
2697	39260			C RESCRI	INOT AT END OF RESERVED WORD YET
2698	39280		DCR		DECREMENT CHAR
2699	39300		POP	n ncanou	POP START POINTER HERE
2700	39320	*NEGE	JNZ	RESRCH	NOT AT END OF RESLET YET.
2701	39340			D RIGHT RESERVED	
2702	39360	PRIT3:	MOV	A,M	GET A CHARACTER FROM RESERVED WORD
2703	39380		ORA	A	SET CONDITION CODES
2704	39400		JM	PRIT4	
2705	39420		OUTCHR		
2706	39440		INX	Н	BUMP RESEST POINTER
2707	39460		JMP	PRIT3>	PRINT THE REST