

```

1          ORG 1200H
2          LOAD OAB00H
3
4          ;*****
5          ;*          AVALON ZEN          *
6          ;*          *                  *
7          ;* WRITTEN BY JOHN HAWTHORNE *
8          ;*          *                  *
9          ;* COPYRIGHT (C) 1980 BY      *
10         ;* AVALON SOFTWARE OF ENGLAND *
11         ;*****
12
13         ;New parts, Copyright (C) 1983
14         ;Andrew Henson, Apollo Software.
15
16         ;*****
17
18         ;** SHARP MZ-700 ** version X **
19
20         ;***** ZEN X *****
21
22         CR:          EQU 13
23         FF:          EQU 12
24         BS:          EQU 8
25         BLANK:      EQU 32
26         ES:          EQU CR
27
28         ;Displacement of each flag from
29         ;the IX register:
30
31         F1:          EQU 0
32         F2:          EQU 1
33         F3:          EQU 2
34         F5:          EQU 3
35         F6:          EQU 4
36         F7:          EQU 5
37
38         ;I/O Ports for KA and HiRam
39
40         ?KA:         EQU OE4H
41         ?RAM:        EQU OE1H
42
43         ;O/S Calls, etc
44
45         PRINTER:     EQU 18FH
46         SHEAD:       EQU 21H
47         SDATA:       EQU 24H
48         LHEAD:       EQU 27H
49         LDATA:       EQU 2AH
50         VDATA:       EQU 2DH
51         HBUFF:       EQU 10F0H
52         FSIZE:       EQU HBUFF+18
53         FSTART:      EQU HBUFF+20
54         FEEXEC:      EQU HBUFF+22
55         CURSOR:      EQU 1171H
56         SCREEN:      EQU OFB1H
57         CONTROL:     EQU ODDCH
58         GETCHAR:     EQU 9B3H
59         NORMAL:      EQU OBCEH
60         SPECIAL:     EQU OBB9H

```

61		VECTOR:	EQU	1038H	
62					
63					;Code starts here
64					;Skip text & variable storage
65					
66	1200	C3D613	ENTRY:	JP	ZEN
67	1203	C34E1A	REENTRY:	JP	TRAP
68					
69	1206	5A454E3E	M1:	DB	"ZEN">,ES
69	120A	0D			
70	120B	4855483F	M2:	DB	"HUH?">,ES
70	120F	0D			
71	1210	42414420	M3:	DB	"BAD READ">,ES
71	1214	52454144			
71	1218	0D			
72	1219	50414745	M4:	DB	"PAGE">,ES
72	121D	0B			
73	121E	454F460D	M5:	DB	"EOF">,ES
74	1222	4C4F4144	M6:	DB	"LOAD">,ES
74	1226	3E0D			
75	1228	4F505449	M7:	DB	"OPTION">,ES
75	122C	4F4E3E0D			
76	1230	464F554E	M8:	DB	"FOUND ">,ES
76	1234	44200D			
77	1237	52455345	M12:	DB	"RESERVED">,ES
77	123B	52564544			
77	123F	0D			
78	1240	4D454D4F	M20:	DB	"MEMORY "
78	1244	525920			
79	1247	46554C4C	M14:	DB	"FULL">,ES
79	124B	0D			
80	124C	444F5542	M13:	DB	"DOUBLE "
80	1250	4C4520			
81	1253	53594D42	M15:	DB	"SYMBOL">,ES
81	1257	4F4C0D			
82	125A	4F504552	M16:	DB	"OPERAND">,ES
82	125E	414E440D			
83	1262	554E4445	M17:	DB	"UNDEFINED">,ES
83	1266	46494E45			
83	126A	440D			
84	126C	4F524721	M18:	DB	"ORG!">,ES
84	1270	0D			
85	1271	4E414D45	M21:	DB	"NAME">,ES
85	1275	3E0D			
86	1277	53544152	M22:	DB	"START">,ES
86	127B	543E0D			
87	127E	53544F50	M23:	DB	"STOP">,ES
87	1282	3E0D			
88	1284	424B5054	M24:	DB	"BKPT">,ES
88	1288	3E0D			
89	128A	45584543	M25:	DB	"EXEC">,ES
89	128E	3E0D			
90	1290	44455354	M27:	DB	"DEST">,ES
90	1294	3E0D			
91	1296	44415441	M28:	DB	"DATA">,ES
91	129A	3E0D			
92	129C	20484C20	M29:	DB	' HL DE '
92	12A0	20204445			
92	12A4	202020			
93	12A7	42432020		DB	'BC AF IR',ES

93	12AB	20414620			
93	12AF	20204952			
93	12B3	OD			
94	12B4	20495820	M30:	DB	' IX IY '
94	12B8	20204959			
94	12BC	202020			
95	12BF	53502020		DB	'SP PC',ES
95	12C3	2050430D			
96	12C7	4C4F4144	M96:	DB	"LOADING ",ES
96	12CB	494E4720			
96	12CF	OD			
97	12D0	56455249	M97:	DB	"VERIFYING ",ES
97	12D4	4659494E			
97	12D8	47200D			
98	12DB	20285459	M98:	DB	" (TYPE ",ES
98	12DF	5045200D			
99	12E3	5052494E	M99:	DB	"PRINTER!",ES
99	12E7	54455221			
99	12EB	OD			
100					
101	12EC	OE	PBUFF:	DB	14
102				DS	29
103	130A	200D		DB	' ',ES
104					
105	130C	0808	TBUF1:	DB	BS,BS
106			TBUFF:	DS	100
107					!&Stack
108	1372	560000	FLAGS:	DB	'V',0,0
109	1375	000000		DB	0,0,0
110					
111					!Listing field widths
112					
113	1378	3C14	COMWIDTH:	DB	60,20
114	137A	0C07	SYMWIDTH:	DB	12,7
115	137C	0505		DB	5,5
116	137E	1207		DB	18,7
117	1380	1901		DB	25,1
118					
119	1382	0000	PAGENO:	DW	0
120	1384	0000	LCT:	DW	0
121	1386	0000	LIMIT:	DW	0
122	1388	0000	CURRENT:	DW	0
123	138A	0029	SOFP:	DW	AEND.255+301H
124	138C	0029	EOFP:	DW	AEND.255+301H
125	138E	0000	CUROBJ:	DW	0
126	1390	0000	TEMP:	DW	0
127	1392	0000	FEP:	DW	0
128	1394	0000	STK:	DW	0
129	1396	0000	LBLP:	DW	0
130	1398	0000	PC:	DW	0
131	139A	0000	OBJ:	DW	0
132	139C	0000	BKPTADDR:	DW	0
133	139E	00	BKPTCODE:	DB	0
134	139F	000000	CODE:	DB	0,0,0
135					!Page Number
136					!Line counter
137	13BA	0000	USTK:	DS	24
138	13BC	0000	IMAGE:	DW	0
139	13BE	0000		DW	0
140	13C0	0000		DW	0
					!Hi mem limit
					!Current line
					!S.O.File
					!E.O.File
					!Current Object
					!Temporary
					!Free entry pointer
					!SP Save buffer
					!Label pointer
					!Program counter
					!Object pointer
					!Address of BKPT
					!Code at BKPT
					!Code replaced
					!User stack
					!User registers

141	13C2	0000	DW	0	
142	13C4	0000	DW	0	
143	13C6	0000	DW	0	
144	13C8	0000	DW	0	
145	13CA	0000	DW	0	
146	13CC	0000	DW	0	
147	13CE	0000	DW	0	
148					
149					;Goto Exit Routine
150					
151	13D0	31BA13	EXIT:	LD	SP,IMAGE
152	13D3	C30000		JP	0
153					
154			USP:	EGU	EXIT+1
155			UPC:	EGU	EXIT+4
156					
157					;Start of ZEN mainloop
158					
159	13D6	DD217213	ZEN:	LD	IX,FLAGS
160	13DA	DDF9		LD	SP,IX
161	13DC	DD360056		LD	(IX+F1),'V'
162	13E0	D3E4		OUT	(?KA),A
163	13E2	CD8214		CALL	TOP
164	13E5	CDD019		CALL	BEEP
165	13E8	CD3C19		CALL	CRLF
166	13EB	21EB13		LD	HL,*
167	13EE	E5		PUSH	HL
168	13EF	D3E4		OUT	(?KA),A
169	13F1	ED739413		LD	(STK),SP
170	13F5	DD360056		LD	(IX+F1),'V'
171	13F9	2E06		LD	L,M1&255
172	13FB	CDE219		CALL	CUE
173	13FE	0D		DEC	C
174	13FF	CA7C1B		JP	Z,CLEAR
175	1402	FE53		CP	'S'
176	1404	CA6D16		JP	Z,SORT
177	1407	FE52		CP	'R'
178	1409	CA2816		JP	Z,READ
179	140C	FE57		CP	'W'
180	140E	CA5815		JP	Z,WRITE
181	1411	FE56		CP	'V'
182	1413	CA0316		JP	Z,VERIFY
183	1416	FE4C		CP	'L'
184	1418	CA4414		JP	Z,LOCATE
185	141B	FE58		CP	'X'
186	141D	CABB17		JP	Z,XAMINE
187	1420	E5		PUSH	HL
188	1421	C5		PUSH	BC
189	1422	0E01		LD	C,1
190	1424	110E13		LD	DE,TBUFF
191	1427	21E418		LD	HL,COMTAB
192	142A	CDAC1E		CALL	SEARCH
193	142D	DADB1A		JP	C,E10
194	1430	C1		POP	BC
195	1431	E3		EX	(SP),HL
196	1432	41		LD	B,C
197	1433	05		DEC	B
198	1434	37		SCF	
199	1435	2809		JR	Z,ZEN2
200	1437	13		INC	DE

;Mem as K/A

;Bad Command

201 1438 CDF71A		CALL EVAL
202 143B DADB1A		JP C,E10
203 143E 44		LD B,H
204 143F 4D		LD C,L
205 1440 2A8B13	ZEN2:	LD HL, (CURRENT)
206 1443 C9		RET
207		
208 1444 OD	LOCATE:	DEC C
209 1445 CADB1A		JP Z,E10
210 1448 2A8B13		LD HL, (CURRENT)
211 144B C5		PUSH BC
212 144C CDBB1B		CALL NEXT
213 144F C1		POP BC
214 1450 2B		DEC HL
215 1451 E5		PUSH HL
216 1452 E1	LC1:	POP HL
217 1453 7E		LD A, (HL)
218 1454 23		INC HL
219 1455 FE0D		CP CR
220 1457 CC181C		CALL Z,UPDATE
221 145A CD1E19		CALL EOF
222 145D 41		LD B,C
223 145E 110F13		LD DE, TBUFF+1
224 1461 E5		PUSH HL
225 1462 1A	LC2:	LD A, (DE)
226 1463 BE		CP (HL)
227 1464 20EC		JR NZ, LC1
228 1466 13		INC DE
229 1467 23		INC HL
230 1468 10F8		DJNZ LC2
231 146A E1		POP HL
232 146B CDE414		CALL THIS
233 146E 1836		JR LINE
234		
235 1470 78	UP:	LD A, B
236 1471 B1		OR C
237 1472 2832		JR Z, LINE
238 1474 CDDA14		CALL LAST
239 1477 302D		JR NC, LINE
240 1479 08		DEC BC
241 147A 18F4		JR UP
242		
243 147C 2ABA13	KILL:	LD HL, (SOFP)
244 147F 228C13		LD (EOFP), HL
245		
246 1482 210100	TOP:	LD HL, 1
247 1485 228413		LD (LCT), HL
248 1488 2ABA13		LD HL, (SOFP)
249 148B 228813		LD (CURRENT), HL
250 148E C9		RET
251		
252 148F 06FF	BASE:	LD B, 255
253 1491 1804		JR DOWN
254		
255 1493 CDB214	TARGET:	CALL TOP
256 1496 0B		DEC BC
257		
258 1497 78	DOWN:	LD A, B
259 1498 B1		OR C
260 1499 280B		JR Z, LINE

261 149B C5		PUSH BC
262 149C CDBB1B		CALL NEXT
263 149F C1		POP BC
264 14A0 CD1B1C		CALL UPDATE
265 14A3 0B		DEC BC
266 14A4 1B1F		JR DOWN
267 14A6 CD1E19	LINE:	CALL EOF
268 14A9 CDC91B		CALL POSITION
269 14AC C33919		JP PR3
270		
271 14AF 78	ZAP:	LD A,B
272 14B0 B1		OR C
273 14B1 2B13		JR Z,LINE
274 14B3 E5		PUSH HL
275 14B4 C5		PUSH BC
276 14B5 CD9A1A		CALL REMOVE
277 14B8 C1		POP BC
278 14B9 E1		POP HL
279 14BA 0B		DEC BC
280 14BB 1B1F		JR ZAP
281		
282 14BD 2E53	EO:	LD L,M15&255
283 14BF ED7B9413	ER:	LD SP,(STK)
284 14C3 CD3019		CALL ERR2
285 14C6 2A9013		LD HL,(TEMP)
286 14C9 010100		LD BC,1
287		
288 14CC 7B	PRINT:	LD A,B
289 14CD B1		OR C
290 14CE 280A		JR Z,LAST
291 14D0 CDA614		CALL LINE
292 14D3 23		INC HL
293 14D4 CD1B1C		CALL UPDATE
294 14D7 0B		DEC BC
295 14D8 1B1F		JR PRINT
296		
297 14DA E5	LAST:	PUSH HL
298 14DB 2A8413		LD HL,(LCT)
299 14DE 2B		DEC HL
300 14DF 228413		LD (LCT),HL
301 14E2 E1		POP HL
302 14E3 2B		DEC HL
303 14E4 CDB11B	THIS:	CALL SOF
304 14E7 3099		JR NC,TOP
305 14E9 2B		DEC HL
306 14EA 7E		LD A,(HL)
307 14EB FE0D		CP CR
308 14ED 20F5		JR NZ,THIS
309 14EF 23		INC HL
310 14F0 228813		LD (CURRENT),HL
311 14F3 37		SCF
312 14F4 C9		RET
313		
314 14F5 CDC91B	ENTER:	CALL POSITION
315 14F8 EB		EX DE,HL
316 14F9 CDE519		CALL USER
317 14FC FE2E		CP '.'
318 14FE C8		RET Z
319 14FF 2A8C13		LD HL,(EOFF)
320 1502 CDB81B		CALL MEMCHECK

321 1505 CD3C15
 322 1508 EB
 323 1509 CD181C
 324 150C 18E7

325

326 150E E5
 327 150F CDBB1B
 328 1512 2ABC13
 329 1515 ED42
 330 1517 E3

331 1518 E5
 332 1519 C5
 333 151A 110E13
 334 151D D5

335 151E EDB0
 336 1520 E1
 337 1521 C1

338 1522 0B
 339 1523 CDC91B

340 1526 CDD819
 341 1529 CDEF19

342 152C CD3C19
 343 152F E1

344 1530 E3
 345 1531 CD8C1B

346 1534 E1
 347 1535 E5

348 1536 C5
 349 1537 CD9A1A

350 153A C1
 351 153B D1

352

353 153C D5
 354 153D C5

355 153E 2ABC13
 356 1541 E5

357 1542 09
 358 1543 228C13

359 1546 E3
 360 1547 E5

361 1548 ED52
 362 154A E3

363 154B C1
 364 154C D1

365 154D 03
 366 154E EDB8

367 1550 C1
 368 1551 D1

369 1552 210E13
 370 1555 EDB0

371 1557 C9
 372

373 1558 3E04
 374 155A ED5B8A13

375 155E D5
 376 155F FDE1

377 1561 2ABC13
 378 1564 ED52

379 1566 0D
 380 1567 C48715

NEW:

CALL INSERT
 EX DE,HL
 CALL UPDATE
 JR ENTER

PUSH HL
 CALL NEXT
 LD HL, (EOFF)
 SBC HL,BC
 EX (SP),HL
 PUSH HL
 PUSH BC
 LD DE, TBUFF
 PUSH DE
 LDIR
 POP HL
 POP BC
 DEC BC
 CALL POSITION
 CALL STR1
 CALL US1
 CALL CRLF
 POP HL
 EX (SP),HL
 CALL MEMCHECK
 POP HL
 PUSH HL
 PUSH BC
 CALL REMOVE
 POP BC
 POP DE

INSERT:

PUSH DE
 PUSH BC
 LD HL, (EOFF)
 PUSH HL
 ADD HL,BC
 LD (EOFF),HL
 EX (SP),HL
 PUSH HL
 SBC HL,DE
 EX (SP),HL
 POP BC
 POP DE
 INC BC
 LDDR
 POP BC
 POP DE
 LD HL, TBUFF
 LDIR
 RET

WRITE:

LD A,4
 LD DE, (SOFF)
 PUSH DE
 POP IY
 LD HL, (EOFF)
 SBC HL,DE
 DEC C
 CALL NZ, OWRITE

381 156A ED530411		LD (FSTART),DE
382 156E 220211		LD (FSIZE),HL
383 1571 CD9F15		CALL GETNAME
384 1574 CD2100		CALL SHEAD
385 1577 DAD613		JP C,ZEN
386 157A FD220411		LD (FSTART),IY
387 157E CD2400		CALL SDATA
388 1581 DAD613		JP C,ZEN
389 1584 C33C19		JP CRLF
390		
391 1587 CDCB1A	OWRITE:	CALL STARTSTOP
392 158A E5		PUSH HL
393 158B 2E8A		LD L,M25&255
394 158D CDB61A		CALL PARAMETER
395 1590 220611		LD (FEXEC),HL
396 1593 2E22		LD L,M6&255
397 1595 CDB61A		CALL PARAMETER
398 1598 EB		EX DE,HL
399 1599 E3		EX (SP),HL
400 159A FDE1		POP IY
401 159C 3E01		LD A,1
402 159E C9		RET
403		
404 159F 11F010	GETNAME:	LD DE,HBUFF
405 15A2 12		LD (DE),A
406 15A3 2E71	GTN2:	LD L,M21&255
407 15A5 CDE219		CALL CUE
408 15A8 79		LD A,C
409 15A9 FE12		CP 18
410 15AB 30F6		JR NC,GTN2
411 15AD 13		INC DE
412 15AE 210E13		LD HL,TBUFF
413 15B1 ED80		LDIR
414 15B3 EB		EX DE,HL
415 15B4 2B		DEC HL
416 15B5 4F		LD C,A
417 15B6 0C		INC C
418 15B7 ED8B		LDDR
419 15B9 4F		LD C,A
420 15BA C9		RET
421		
422 15BB 0D	FINDFILE:	DEC C
423 15BC F5		PUSH AF
424 15BD 3E04		LD A,4
425 15BF 2802		JR Z,FL2
426 15C1 3E01		LD A,1
427 15C3 CD9F15	FL2:	CALL GETNAME
428 15C6 CD2700	FL3:	CALL LHEAD
429 15C9 CD3C19		CALL CRLF
430 15CC 3845		JR C,BADNEWS
431 15CE 2E30		LD L,M8&255
432 15D0 CDD619		CALL STRING
433 15D3 21F110		LD HL,HBUFF+1
434 15D6 E5		PUSH HL
435 15D7 CDD819		CALL STR1
436 15DA 2EDB		LD L,M98&255
437 15DC CDD619		CALL STRING
438 15DF 3AF010		LD A,(HBUFF)
439 15E2 C630		ADD A,"0"
440 15E4 CD4619		CALL OUTPUT

441 15E7 3E29		LD A,")"
442 15E9 CD4619		CALL OUTPUT
443 15EC E1		POP HL
444 15ED 2B		DEC HL
445 15EE 110E13		LD DE, TBUFF
446 15F1 41		LD B,C
447 15F2 1001		DJNZ FL4
448 15F4 05		DEC B
449 15F5 04	FL4:	INC B
450 15F6 04		INC B
451 15F7 1A	FL5:	LD A, (DE)
452 15F8 BE		CP (HL)
453 15F9 20CB		JR NZ, FL3
454 15FB 23		INC HL
455 15FC 13		INC DE
456 15FD 10FB		DJNZ FL5
457 15FF F1		POP AF
458 1600 C33C19		JP CRLF
459		
460 1603 CDBB15	VERIFY:	CALL FINDFILE
461 1606 FD220411		LD (FSTART), IY
462 160A 2ED0		LD L, M97&255
463 160C CD1C16		CALL TAPEFILE
464 160F CD2D00		CALL VDATA
465 1612 D0		RET NC
466 1613 3D	BADNEWS:	DEC A
467 1614 C2D613		JP NZ, ZEN
468 1617 2E10	E3:	LD L, M3&255
469 1619 C32C19		JP ERR
470		
471 161C CDD619	TAPEFILE:	CALL STRING
472 161F 21F110		LD HL, HBUFF+1
473 1622 CDD819		CALL STR1
474 1625 C33C19		JP CRLF
475		
476 1628 CDBB15	READ:	CALL FINDFILE
477 162B F5		PUSH AF
478 162C 2EC7		LD L, M96&255
479 162E CD1C16		CALL TAPEFILE
480 1631 F1		POP AF
481 1632 280C		JR Z, RSOURCE
482 1634 CD2A00		CALL LDATA
483 1637 38DA		JR C, BADNEWS
484 1639 2A0611		LD HL, (FEXEC)
485 163C 22D413		LD (UPC), HL
486 163F C9		RET
487		
488 1640 2ABC13	RSOURCE:	LD HL, (EOFP)
489 1643 E5		PUSH HL
490 1644 ED4B0211		LD BC, (FSIZE)
491 1648 CD8C1B		CALL MEMCHECK
492 164B E1		POP HL
493 164C 220411		LD (FSTART), HL
494 164F CD2A00		CALL LDATA
495 1652 38BF		JR C, BADNEWS
496 1654 09		ADD HL, BC
497 1655 228C13		LD (EOFP), HL
498		
499 1658 2ABA13	HOWBIG:	LD HL, (SOFP)
500 165B CDFA1B		CALL WORDSP

;Bad Read

501 165E 2A8C13		LD HL, (EOFF)
502 1661 CDFAI8		CALL WORDSP
503 1664 CDA21B		CALL MEMTOP
504 1667 CDFAI8		CALL WORDSP
505 166A C33C19		JP CRLF
506		
507 166D 213C19	SORT:	LD HL, CRLF
508 1670 E3		PUSH HL
509 1671 3AOF13		LD A, (TBUF+1)
510 1674 F5		PUSH AF
511 1675 CD891C		CALL GETOPTION
512 1678 DD360201		LD (IX+F3), 1
513 167C F1		POP AF
514 167D 4F		LD C, A
515 167E FE0D		CP CR
516 1680 200B		JR NZ, SCAN
517 1682 0E41		LD C, 'A'
518 1684 CD8D16	SRT2:	CALL SCAN
519 1687 0C		INC C
520 1688 79		LD A, C
521 1689 FE5A		CP 'Z'
522 168B 20F7		JR NZ, SRT2
523 168D 219725	SCAN:	LD HL, AEND-1
524 1690 23	SCN1:	INC HL
525 1691 23	SCN2:	INC HL
526 1692 7E		LD A, (HL)
527 1693 3C		INC A
528 1694 C8		RET Z
529 1695 CDBE1C		CALL HOLD
530 1698 0600		LD B, 0
531 169A 54		LD D, H
532 169B 5D		LD E, L
533 169C 04	SCN3:	INC B
534 169D CB7E		BIT 7, (HL)
535 169F 23		INC HL
536 16A0 28FA		JR Z, SCN3
537 16A2 1A		LD A, (DE)
538 16A3 B9		CP C
539 16A4 20EA		JR NZ, SCN1
540 16A6 DD3502		DEC (IX+F3)
541 16A9 2015		JR NZ, SCN4
542 16AB CD3C19		CALL CRLF
543 16AE DD360204		LD (IX+F3), 4
544 16B2 DDCB004E		BIT 1, (IX+F1)
545 16B6 2803		JR Z, SCN31
546 16B8 DD3502		DEC (IX+F3)
547 16BB D5	SCN31:	PUSH DE
548 16BC CD151A		CALL PAGE
549 16BF D1		POP DE
550 16C0 EB	SCN4:	EX DE, HL
551 16C1 C5		PUSH BC
552 16C2 D5		PUSH DE
553 16C3 50		LD D, B
554 16C4 0E7F		LD C, 7FH
555 16C6 CD371E		CALL SYMFIELD
556 16C9 E1		POP HL
557 16CA C1		POP BC
558 16CB 5E		LD E, (HL)
559 16CC 23		INC HL
560 16CD 56		LD D, (HL)

561 16CE EB		EX DE,HL
562 16CF CDFA1B		CALL WORDSP
563 16D2 EB		EX DE,HL
564 16D3 18BC		JR SCN2
565		
566 16D5 3804	GOTO:	JR C,GOT2
567 16D7 ED43D413		LD (UPC),BC
568 16DB 2E84	GOT2:	LD L,M24 &255
569 16DD CDB61A		CALL PARAMETER
570 16E0 381F		JR C,GOT3
571 16E2 229C13		LD (BKPTADDR),HL
572 16E5 7E		LD A,(HL)
573 16E6 329E13		LD (BKPTCODE),A
574 16E9 36FF		LD (HL),OFFH ;RST7
575 16EB 213810		LD HL,VECTOR
576 16EE 119F13		LD DE,CODE
577 16F1 7E		LD A,(HL)
578 16F2 12		LD (DE),A
579 16F3 36C3		LD (HL),OC3H ;JP
580 16F5 23		INC HL
581 16F6 13		INC DE
582 16F7 7E		LD A,(HL)
583 16F8 12		LD (DE),A
584 16F9 3603		LD (HL),REENTRY &255
585 16FB 23		INC HL
586 16FC 13		INC DE
587 16FD 7E		LD A,(HL)
588 16FE 12		LD (DE),A
589 16FF 3612		LD (HL),REENTRY /255
590 1701 318A13	GOT3:	LD SP,IMAGE
591 1704 E1		POP HL
592 1705 D1		POP DE
593 1706 C1		POP BC
594 1707 F1		POP AF
595 1708 08		EX AF,AF
596 1709 D9		EXX
597 170A C1		POP BC
598 170B 79		LD A,C
599 170C ED4F		LD R,A
600 170E 78		LD A,B
601 170F ED47		LD I,A
602 1711 E1		POP HL
603 1712 D1		POP DE
604 1713 C1		POP BC
605 1714 F1		POP AF
606 1715 D9		EXX
607 1716 08		EX AF,AF
608 1717 DDE1		POP IX
609 1719 FDE1		POP IY
610 171B C3D013		JP EXIT
611		
612 171E CDCB1A	COPY:	CALL STARTSTOP
613 1721 E5		PUSH HL
614 1722 2E90		LD L,M27 &255
615 1724 CDB61A		CALL PARAMETER
616 1727 EB		EX DE,HL
617 1728 C1		POP BC
618 1729 ED80		LDIR
619 172B C9		RET
620		

621	172C	CDCB1A	FILL:	CALL	STARTSTOP
622	172F	E5		PUSH	HL
623	1730	2E96		LD	L, M28 & 255
624	1732	CDB61A		CALL	PARAMETER
625	1735	EB		EX	DE, HL
626	1736	C1		POP	BC
627	1737	73	FIL2:	LD	(HL), E
628	1738	23		INC	HL
629	1739	0B		DEC	BC
630	173A	78		LD	A, B
631	173B	B1		OR	C
632	173C	20F9		JR	NZ, FIL2
633	173E	C9		RET	
634					
635	173F	3804	MODIFY:	JR	C, MOD1
636	1741	ED438E13		LD	(CUROBJ), BC
637	1745	2ABE13	MOD1:	LD	HL, (CUROBJ)
638	1748	CD3C19	MOD2:	CALL	CRLF
639	174B	CDFA1B		CALL	WORDSP
640	174E	228E13	MOD3:	LD	(CUROBJ), HL
641	1751	7E		LD	A, (HL)
642	1752	CDF1B		CALL	BYTESP
643	1755	EB		EX	DE, HL
644	1756	CDE919		CALL	USO
645	1759	FE2E		CP	' '
646	175B	CA3C19		JP	Z, CRLF
647	175E	C5		PUSH	BC
648	175F	CD891A		CALL	PARAM1
649	1762	C1		POP	BC
650	1763	EB		EX	DE, HL
651	1764	3808		JR	C, MOD5
652	1766	73		LD	(HL), E
653	1767	CD7617		CALL	BACKS
654	176A	7E		LD	A, (HL)
655	176B	CDF1B		CALL	BYTESP
656	176E	23	MOD5:	INC	HL
657	176F	7D		LD	A, L
658	1770	E607		AND	7
659	1772	28D4		JR	Z, MOD2
660	1774	18D8		JR	MOD3
661					
662	1776	79	BACKS:	LD	A, C
663	1777	C602		ADD	A, 2
664	1779	47		LD	B, A
665	177A	3E08	BAK1:	LD	A, BS
666	177C	CD4619		CALL	OUTPUT
667	177F	10F9		DJNZ	BAK1
668	1781	C9		RET	
669					
670	1782	3804	QUERY:	JR	C, QU2
671	1784	ED438E13		LD	(CUROBJ), BC
672	1788	2ABE13	QU2:	LD	HL, (CUROBJ)
673	178B	7D		LD	A, L
674	178C	E6F8		AND	OFBH
675	178E	6F		LD	L, A
676	178F	0E08		LD	C, B
677	1791	0608	QU3:	LD	B, B
678	1793	E5		PUSH	HL
679	1794	CDFA1B		CALL	WORDSP
680	1797	7E	QU4:	LD	A, (HL)

681 1798 CDF1B		CALL BYTESP
682 179B 23		INC HL
683 179C 10F9		DJNZ QU4
684 179E E1		POP HL
685 179F CD4419		CALL SPACE
686 17A2 0608		LD B,8
687 17A4 7E	QU5:	LD A,(HL)
688 17A5 FE20		CP 20H
689 17A7 3002		JR NC,QU7
690 17A9 3E2E		LD A,'.'
691 17AB CD4619	QU7:	CALL OUTPUT
692 17AE 23		INC HL
693 17AF 10F3		DJNZ QU5
694 17B1 CD3C19		CALL CRLF
695 17B4 0D		DEC C
696 17B5 20DA		JR NZ,QU3
697 17B7 228E13		LD (CUROBJ),HL
698 17BA C9		RET
699		
700 17BB 213C19	XAMINE:	LD HL,CRLF
701 17BE E5		PUSH HL
702 17BF 0D		DEC C
703 17C0 204C		JR NZ,XAM2
704 17C2 2E9C		LD L,M29 &255
705 17C4 CD3719		CALL PR2
706 17C7 21BA13		LD HL,IMAGE
707 17CA 0605		LD B,5
708 17CC CD0218		CALL PAIR
709 17CF 3AC013		LD A,(IMAGE+6)
710 17D2 E6D7		AND 0D7H
711 17D4 0608		LD B,8
712 17D6 4F		LD C,A
713 17D7 115E18		LD DE,XAMFLG
714 17DA CB11	XAM1:	RL C
715 17DC 3004		JR NC,XAM11
716 17DE 1A		LD A,(DE)
717 17DF CD4619		CALL OUTPUT
718 17E2 13	XAM11:	INC DE
719 17E3 10F5		DJNZ XAM1
720 17E5 CD3C19		CALL CRLF
721 17E8 0604		LD B,4
722 17EA CD0218		CALL PAIR
723 17ED CD3C19		CALL CRLF
724 17F0 E5		PUSH HL
725 17F1 2EB4		LD L,M30 &255
726 17F3 CD3719		CALL PR2
727 17F6 E1		POP HL
728 17F7 0602		LD B,2
729 17F9 CD0218		CALL PAIR
730 17FC 23		INC HL
731 17FD CD0118		CALL ONEPAIR
732 1800 23		INC HL
733 1801 04	ONEPAIR:	INC B
734 1802 5E	PAIR:	LD E,(HL)
735 1803 23		INC HL
736 1804 56		LD D,(HL)
737 1805 23		INC HL
738 1806 EB		EX DE,HL
739 1807 CDFA1B		CALL WORDSP
740 180A EB		EX DE,HL

741 180B 10F5		DJNZ PAIR	
742 180D C9		RET	
743			
744 180E 110F13	XAM2:	LD DE, TBUFF+1	; New
745 1811 216618		LD HL, XAMTAB	
746 1814 CDAC1E		CALL SEARCH	
747 1817 DADB1A		JP C, E10	
748 181A E5		PUSH HL	
749 181B 210F13		LD HL, TBUFF+1	
750 181E CDD819		CALL STR1	
751 1821 CD4419		CALL SPACE	
752 1824 E1		POP HL	
753 1825 0D		DEC C	
754 1826 281E		JR Z, XAMB	
755 1828 5E	XAMW:	LD E, (HL)	; New
756 1829 23		INC HL	
757 182A 56		LD D, (HL)	
758 182B EB		EX DE, HL	
759 182C CDFA1B		CALL WORDSP	
760 182F CDE919		CALL USO	
761 1832 FE2E		CP '.'	
762 1834 C8		RET Z	
763 1835 C5		PUSH BC	
764 1836 CDB91A		CALL PARAM1	
765 1839 C1		POP BC	
766 183A D8		RET C	
767 183B EB		EX DE, HL	
768 183C 72		LD (HL), D	
769 183D 2B		DEC HL	
770 183E 73		LD (HL), E	
771 183F 0C		INC C	
772 1840 0C		INC C	
773 1841 CD7617		CALL BACKS	
774 1844 18E2		JR XAMW	
775			
776 1846 7E	XAMB:	LD A, (HL)	; New
777 1847 EB		EX DE, HL	
778 1848 CDFF1B		CALL BYTESP	
779 184B CDE919		CALL USO	
780 184E FE2E		CP '.'	
781 1850 C8		RET Z	
782 1851 C5		PUSH BC	
783 1852 CDB91A		CALL PARAM1	
784 1855 C1		POP BC	
785 1856 D8		RET C	
786 1857 EB		EX DE, HL	
787 1858 73		LD (HL), E	
788 1859 CD7617		CALL BACKS	
789 185C 18E8		JR XAMB	
790			
791 185E 535A2048	XAMFLG:	DB 'SZ H VNC'	
791 1862 20564E43			
792			
793 1866 CC	XAMTAB:	DB 'L'.S	; New
794 1867 BA13		DW IMAGE	
795 1869 48CC		DB 'H', 'L'.S	
796 186B BA13		DW IMAGE	
797 186D C8		DB 'H'.S	
798 186E BB13		DW IMAGE+1	
799 1870 C5		DB 'E'.S	

800	1871	BC13	DW	IMAGE+2
801	1873	44C5	DB	'D','E'.S
802	1875	BC13	DW	IMAGE+2
803	1877	C4	DB	'D'.S
804	1878	BD13	DW	IMAGE+3
805	187A	C3	DB	'C'.S
806	187B	BE13	DW	IMAGE+4
807	187D	42C3	DB	'B','C'.S
808	187F	BE13	DW	IMAGE+4
809	1881	C2	DB	'B'.S
810	1882	BF13	DW	IMAGE+5
811	1884	41C6	DB	'A','F'.S
812	1886	C013	DW	IMAGE+6
813	1888	C1	DB	'A'.S
814	1889	C113	DW	IMAGE+7
815	188B	49D2	DB	'I','R'.S
816	188D	C213	DW	IMAGE+8
817	188F	484CA7	DB	'HL',''.S
818	1892	C413	DW	IMAGE+10
819	1894	4445A7	DB	'DE',''.S
820	1897	C613	DW	IMAGE+12
821	1899	4243A7	DB	'BC',''.S
822	189C	C813	DW	IMAGE+14
823	189E	4146A7	DB	'AF',''.S
824	18A1	CA13	DW	IMAGE+16
825	18A3	49D8	DB	'I','X'.S
826	18A5	CC13	DW	IMAGE+18
827	18A7	49D9	DB	'I','Y'.S
828	18A9	CE13	DW	IMAGE+20
829	18AB	53D0	DB	'S','P'.S
830	18AD	D113	DW	IMAGE+23
831	18AF	50C3	DB	'P','C'.S
832	18B1	D413	DW	IMAGE+26
833	18B3	534FC6	DB	'SO','F'.S
834	18B6	8A13	DW	SOFP
835	18B8	454FC6	DB	'EO','F'.S
836	18BB	8C13	DW	EOFP
837	18BD	4DCC	DB	'M','L'.S
838	18BF	8613	DW	LIMIT
839	18C1	FF	DB	OFFH
840				
841	18C2	C5	OUTPORT:	PUSH BC
842	18C3	2E96		LD L,M28 &255
843	18C5	CDB61A		CALL PARAMETER
844	18C8	C1		POP BC
845	18C9	ED69		OUT (C),L
846	18CB	C9		RET
847				
848	18CC	ED78	INPORT:	IN A,(C)
849	18CE	F5		PUSH AF
850	18CF	CDFF1B		CALL BYTESP
851	18D2	F1		POP AF
852	18D3	0608		LD B,8
853	18D5	07	INZ:	RLCA
854	18D6	F5		PUSH AF
855	18D7	E601		AND 1
856	18D9	C630		ADD A,'0'
857	18DB	CD4619		CALL OUTPUT
858	18DE	F1		POP AF
859	18DF	10F4		DJNZ INZ

860 18E1 C33C19		JP	CRLF
861			
862 18E4 D5	COMTAB:	DB	'U'.S
863 18E5 7014		DW	UP
864 18E7 C9		DB	'I'.S
865 18E8 CC18		DW	INPORT
866 18EA CF		DB	'O'.S
867 18EB C218		DW	OUTPORT
868 18ED D1		DB	'8'.S
869 18EE 8217		DW	QUERY
870 18F0 CD		DB	'M'.S
871 18F1 3F17		DW	MODIFY
872 18F3 C6		DB	'F'.S
873 18F4 2C17		DW	FILL
874 18F6 C3		DB	'C'.S
875 18F7 1E17		DW	COPY
876 18F9 C7		DB	'G'.S
877 18FA D516		DW	GOTO
878 18FC C1		DB	'A'.S
879 18FD 251C		DW	ASMB
880 18FF CB		DB	'K'.S
881 1900 7C14		DW	KILL
882 1902 C8		DB	'H'.S
883 1903 5816		DW	HOWBIG
884 1905 C5		DB	'E'.S
885 1906 F514		DW	ENTER
886 1908 D4		DB	'T'.S
887 1909 9314		DW	TARGET
888 190B CE		DB	'N'.S
889 190C 0E15		DW	NEW
890 190E C4		DB	'D'.S
891 190F 9714		DW	DOWN
892 1911 DA		DB	'Z'.S
893 1912 AF14		DW	ZAP
894 1914 D0		DB	'P'.S
895 1915 CC14		DW	PRINT
896 1917 C2		DB	'B'.S
897 1918 8F14		DW	BASE
898 191A BF		DB	'?'S
899 191B E01A		DW	CALC
900 191D FF		DB	OFFH
901			
902 191E D5	EOF:	PUSH	DE
903 191F EB		EX	DE,HL
904 1920 2A8C13		LD	HL, (E0FF)
905 1923 2B		DEC	HL
906 1924 B7		OR	A
907 1925 ED52		SBC	HL,DE
908 1927 EB		EX	DE,HL
909 1928 D1		POP	DE
910 1929 D0		RET	NC
911 192A 2E1E		LD	L,M5 &255
912			
913 192C ED7B9413	ERR:	LD	SP, (STK)
914 1930 DD360056	ERR2:	LD	(IX+F1), 'V'
915 1934 CDD019		CALL	BEEP
916			
917 1937 2612	PR2:	LD	H,M1/256
918 1939 CDD819	PR3:	CALL	STR1
919 193C F5	CRLF:	PUSH	AF

920	193D	3E0D		LD	A,CR
921	193F	CD4619		CALL	OUTPUT
922	1942	F1		POP	AF
923	1943	C9		RET	
924					
925	1944	3E20	SPACE:	LD	A,BLANK
926					
927	1946	DDCB004E	OUTPUT:	BIT	1, (IX+F1)
928	194A	282F		JR	Z,EXTERN
929	194C	FE0D	VIDEO:	CP	CR
930	194E	2004		JR	NZ,VID2
931	1950	3ECD		LD	A,OC7H
932	1952	180E		JR	VID4
933	1954	FE0B	VID2:	CP	BS
934	1956	2004		JR	NZ,VID3
935	1958	3EC7		LD	A,OC7H
936	195A	1806		JR	VID4
937	195C	FE0C	VID3:	CP	FF
938	195E	2005		JR	NZ,VID5
939	1960	3EC6		LD	A,OC6H
940	1962	C3DC0D	VID4:	JP	CONTROL
941	1965	E5	VID5:	PUSH	HL
942	1966	CDB10F		CALL	SCREEN
943	1969	CDB90B		CALL	SPECIAL
944	196C	F5		PUSH	AF
945	196D	3A02E0	VID6:	LD	A, (OE002H)
946	1970	07		RLCA	
947	1971	38FA		JR	C,VID6
948	1973	F1		POP	AF
949	1974	77		LD	(HL),A
950	1975	217111		LD	HL,CURSOR
951	1978	34		INC	(HL)
952	1979	E1		POP	HL
953	197A	C9		RET	
954					
955	197B	00000000	EXTERN:	DB	0,0,0,0
956	197F	00000000		DB	0,0,0,0
957	1983	00000000		DB	0,0,0,0
958	1987	00000000		DB	0,0,0,0
959	198B	00000000		DB	0,0,0,0
960	198F	00000000		DB	0,0,0,0
961	1993	00000000		DB	0,0,0,0
962	1997	00000000		DB	0,0,0,0
963	199B	C5		PUSH	BC
964	199C	D5		PUSH	DE
965	199D	CDBF01		CALL	PRINTER
966	19A0	D1		POP	DE
967	19A1	C1		POP	BC
968	19A2	C9		RET	
969					
970	19A3	CDDC0D	KB2:	CALL	CONTROL
971	19A6	CDB309	KEYBOARD:	CALL	GETCHAR
972	19A9	FECB		CP	OCBH
973	19AB	28F9		JR	Z,KEYBOARD
974	19AD	FEC9		CP	OC9H
975	19AF	28F2		JR	Z,KB2
976	19B1	FECA		CP	OCAH
977	19B3	28EE		JR	Z,KB2
978	19B5	CDCE0B		CALL	NORMAL
979	19B8	FE66		CP	66H

980	198A	2002		JR	NZ,KB3
981	198C	3E0D		LD	A,CR
982	198E	FE60	KB3:	CP	60H
983	19C0	C0		RET	NZ
984	19C1	3E0B	KB4:	LD	A,BS
985	19C3	C9		RET	
986					
987	19C4	3EF8	BREAK:	LD	A,OF8H
988	19C6	3200E0		LD	(0E000H),A
989	19C9	00		NOP	
990	19CA	3A01E0		LD	A,(0E001H)
991	19CD	E691		AND	1H
992	19CF	C9		RET	
993					
994	19D0	F5	BEEP:	PUSH	AF
995	19D1	CD3E00		CALL	62
996	19D4	F1		POP	AF
997	19D5	C9		RET	
998					
999	19D6	2612	STRING:	LD	H,M1/256
1000	19D8	7E	STR1:	LD	A,(HL)
1001	19D9	FE0D		CP	ES
1002	19DB	C8		RET	Z
1003	19DC	CD4619		CALL	OUTPUT
1004	19DF	23		INC	HL
1005	19E0	18F6		JR	STR1
1006					
1007	19E2	CDD619	CUE:	CALL	STRING
1008	19E5	213C19	USER:	LD	HL,CRLF
1009	19E8	E5		PUSH	HL
1010	19E9	210E13	US0:	LD	HL,TBUFF
1011	19EC	010000		LD	BC,0
1012	19EF	CDA619	US1:	CALL	KEYBOARD
1013	19F2	77		LD	(HL),A
1014	19F3	FE08		CP	BS
1015	19F5	2007		JR	NZ,US2
1016	19F7	0D		DEC	C
1017	19F8	FAE919		JP	M,US0
1018	19FB	2B		DEC	HL
1019	19FC	1812		JR	US4
1020	19FE	0C	US2:	INC	C
1021	19FF	FE0D		CP	CR
1022	1A01	3A0E13		LD	A,(TBUFF)
1023	1A04	C8		RET	Z
1024	1A05	0D		DEC	C
1025	1A06	3A7111		LD	A,(CURSOR)
1026	1A09	FE27		CP	39
1027	1A0B	28E2		JR	Z,US1
1028	1A0D	7E		LD	A,(HL)
1029	1A0E	0C		INC	C
1030	1A0F	23		INC	HL
1031	1A10	CD4619	US4:	CALL	OUTPUT
1032	1A13	18DA		JR	US1
1033					
1034	1A15	DD3503	PAGE:	DEC	(IX+F5)
1035	1A18	C0		RET	NZ
1036	1A19	3E3C		LD	A,60
1037	1A1B	DDC004E		BIT	1,(IX+F1)
1038	1A1F	2802		JR	Z,PG2
1039	1A21	3E16		LD	A,22

1040	1A23	DD7703	PG2:	LD	(IX+F5),A
1041	1A26	CD611B		CALL	DELAY
1042	1A29	E5		PUSH	HL
1043	1A2A	2E19		LD	L,M4 &255
1044	1A2C	CDD619		CALL	STRING
1045	1A2F	2A8213		LD	HL,(PAGE NO)
1046	1A32	23		INC	HL
1047	1A33	228213		LD	(PAGE NO),HL
1048	1A36	C5		PUSH	BC
1049	1A37	EB		EX	DE,HL
1050	1A38	0605		LD	B,5
1051	1A3A	CDD71B		CALL	POS0
1052	1A3D	C1		POP	BC
1053	1A3E	DDCBO04E		BIT	1,(IX+0)
1054	1A42	2EEC		LD	L,PBUFF&255
1055	1A44	CCD619		CALL	Z,STRING
1056	1A47	E1		POP	HL
1057	1A48	CD3C19		CALL	CRLF
1058	1A4B	C33C19		JP	CRLF
1059					
1060	1A4E	E3	TRAP:	EX	(SP),HL
1061	1A4F	2B		DEC	HL
1062	1A50	22D413		LD	(UPC),HL
1063	1A53	E1		POP	HL
1064	1A54	ED73D113		LD	(USP),SP
1065	1A58	31D013		LD	SP,EXIT
1066	1A5B	FDE5		PUSH	IY
1067	1A5D	DDE5		PUSH	IX
1068	1A5F	08		EX	AF,AF
1069	1A60	D9		EXX	
1070	1A61	F5		PUSH	AF
1071	1A62	C5		PUSH	BC
1072	1A63	D5		PUSH	DE
1073	1A64	E5		PUSH	HL
1074	1A65	ED57		LD	A,I
1075	1A67	47		LD	B,A
1076	1A68	ED5F		LD	A,R
1077	1A6A	4F		LD	C,A
1078	1A6B	C5		PUSH	BC
1079	1A6C	D9		EXX	
1080	1A6D	08		EX	AF,AF
1081	1A6E	F5		PUSH	AF
1082	1A6F	C5		PUSH	BC
1083	1A70	D5		PUSH	DE
1084	1A71	E5		PUSH	HL
1085	1A72	2A9C13		LD	HL,(BKPTADDR)
1086	1A75	ED5BD413		LD	DE,(UPC)
1087	1A79	B7		OR	A
1088	1A7A	ED52		SBC	HL,DE
1089	1A7C	2014		JR	NZ,TRAP2
1090	1A7E	3A9E13		LD	A,(BKPTCODE)
1091	1A81	12		LD	(DE),A
1092	1A82	113810		LD	DE,VECTOR
1093	1A85	219F13		LD	HL,CODE
1094	1A88	010300		LD	BC,3
1095	1A8B	EDB0		LDIR	
1096	1A8D	ED5BD413		LD	DE,(UPC)
1097	1A91	1B		DEC	DE
1098	1A92	13	TRAP2:	INC	DE
1099	1A93	ED53D413		LD	(UPC),DE

1100	1A97	C3D613		JP	ZEN	
1101						
1102	1A9A	E5	REMOVE:	PUSH	HL	
1103	1A9B	CDBB1B		CALL	NEXT	
1104	1A9E	E5		PUSH	HL	
1105	1A9F	2A8C13		LD	HL, (EOFP)	
1106	1AA2	E5		PUSH	HL	
1107	1AA3	B7		OR	A	
1108	1AA4	ED42		SBC	HL, BC	
1109	1AA6	228C13		LD	(EOFP), HL	
1110	1AA9	E1		POP	HL	
1111	1AAA	D1		POP	DE	
1112	1AAB	D5		PUSH	DE	
1113	1AAC	B7		OR	A	
1114	1AAD	ED52		SBC	HL, DE	
1115	1AAF	E3		EX	(SP), HL	
1116	1AB0	C1		POP	BC	
1117	1AB1	D1		POP	DE	
1118	1AB2	C8		RET	Z	
1119	1AB3	EDB0		LDIR		
1120	1AB5	C9		RET		
1121						
1122	1AB6	CDE219	PARAMETER:	CALL	CUE	
1123	1AB9	41	PARAM1:	LD	B, C	
1124	1ABA	05		DEC	B	
1125	1ABB	37		SCF		
1126	1ABC	C8		RET	Z	
1127	1ABD	D5		PUSH	DE	
1128	1ABE	110E13		LD	DE, TBUF	
1129	1AC1	CD71A		CALL	EVAL	
1130	1AC4	D1		POP	DE	
1131	1AC5	D0		RET	NC	
1132	1AC6	CD3C19		CALL	CRLF	
1133	1AC9	1810		JR	E10	
1134						
1135	1ACB	2E77	STARTSTOP:	LD	L, M22 &255	
1136	1ACD	CDB61A		CALL	PARAMETER	
1137	1AD0	EB		EX	DE, HL	
1138	1AD1	2E7E		LD	L, M23 &255	
1139	1AD3	CDB61A		CALL	PARAMETER	
1140	1AD6	B7		OR	A	
1141	1AD7	ED52		SBC	HL, DE	
1142	1AD9	23		INC	HL	
1143	1ADA	D0		RET	NC	
1144						
1145	1ADB	2E0B	E10:	LD	L, M2 &255	
1146	1ADD	C32C19		JP	ERR	
1147						
1148	1AE0	C5	CALC:	PUSH	BC	
1149	1AE1	78		LD	A, B	
1150	1AE2	CD041C		CALL	BYTE	
1151	1AE5	79		LD	A, C	
1152	1AE6	CD041C		CALL	BYTE	
1153	1AE9	3E48		LD	A, "H"	
1154	1AEB	CD4619		CALL	OUTPUT	
1155	1AEE	D1		POP	DE	
1156	1AEF	0607		LD	B, 7	
1157	1AF1	CDD71B		CALL	POSO	
1158	1AF4	C33C19		JP	CRLF	
1159						

;New

1160	1AF7	2A8813	EVAL:	LD	HL, (CURRENT)	;New
1161	1AFA	E5		PUSH	HL	
1162	1AFB	2A8413		LD	HL, (LCT)	
1163	1AFE	E5		PUSH	HL	
1164	1AFF	210C13		LD	HL, TBUF1	
1165	1B02	229013		LD	(TEMP), HL	
1166	1B05	ED538813		LD	(CURRENT), DE	
1167	1B09	210000		LD	HL, 0	
1168	1B0C	228413		LD	(LCT), HL	
1169	1B0F	CD4C1F		CALL	PA1	;Evaluate it
1170	1B12	D1		POP	DE	
1171	1B13	ED538413		LD	(LCT), DE	
1172	1B17	D1		POP	DE	
1173	1B18	ED538813		LD	(CURRENT), DE	
1174	1B1C	FE03		CP	NO	
1175	1B1E	C8		RET	Z	
1176	1B1F	37		SCF		
1177	1B20	C9		RET		
1178						
1179	1B21	2B	CONVERT:	DEC	HL	
1180	1B22	7E		LD	A, (HL)	
1181	1B23	0E10		LD	C, 16	
1182	1B25	FE48		CP	'H'	
1183	1B27	2809		JR	Z, CVO	
1184	1B29	0E08		LD	C, 8	
1185	1B2B	FE4F		CP	'O'	
1186	1B2D	2803		JR	Z, CVO	
1187	1B2F	0E0A		LD	C, 10	
1188	1B31	04		INC	B	
1189	1B32	05	CVO:	DEC	B	
1190	1B33	210000		LD	HL, 0	
1191	1B36	1A	CV1:	LD	A, (DE)	
1192	1B37	D630		SUB	48	
1193	1B39	FE0A		CP	10	
1194	1B3B	3805		JR	C, CV2	
1195	1B3D	D607		SUB	7	
1196	1B3F	FE0A		CP	10	
1197	1B41	D8		RET	C	
1198	1B42	B9	CV2:	CP	C	
1199	1B43	3F		CCF		
1200	1B44	D8		RET	C	
1201	1B45	D5		PUSH	DE	
1202	1B46	5D		LD	E, L	
1203	1B47	54		LD	D, H	
1204	1B48	CB49		BIT	1, C	
1205	1B4A	2008		JR	NZ, CV3	
1206	1B4C	110000		LD	DE, 0	
1207	1B4F	CB59		BIT	3, C	
1208	1B51	2001		JR	NZ, CV3	
1209	1B53	29		ADD	HL, HL	
1210	1B54	29	CV3:	ADD	HL, HL	
1211	1B55	29		ADD	HL, HL	
1212	1B56	19		ADD	HL, DE	
1213	1B57	29		ADD	HL, HL	
1214	1B58	5F		LD	E, A	
1215	1B59	1600		LD	D, 0	
1216	1B5B	19		ADD	HL, DE	
1217	1B5C	D1		POP	DE	
1218	1B5D	13		INC	DE	
1219	1B5E	10D6		DJNZ	CV1	

1220	1B60	C9		RET
1221				
1222	1B61	11007D	DELAY:	LD DE, J2000
1223	1B64	CDBE1C	DEL1:	CALL HOLD
1224	1B67	1B		DEC DE
1225	1B68	7A		LD A, D
1226	1B69	B3		OR E
1227	1B6A	20F8		JR NZ, DEL1
1228	1B6C	DDCBO05E		BIT 3, (IX+F1)
1229	1B70	CCA619		CALL Z, KEYBOARD
1230	1B73	FE51		CP 'Q'
1231	1B75	CAD613		JP Z, ZEN
1232	1B78	DDCBOODE		SET 3, (IX+F1)
1233	1B7C	3E0C	CLEAR:	LD A, FF
1234	1B7E	C34619		JP OUTPUT
1235				
1236	1B81	D5	SOF:	PUSH DE
1237	1B82	EB		EX DE, HL
1238	1B83	2ABA13		LD HL, (SOFP)
1239	1B86	B7		OR A
1240	1B87	ED52		SBC HL, DE
1241	1B89	EB		EX DE, HL
1242	1B8A	D1		POP DE
1243	1B8B	C9		RET
1244				
1245	1B8C	D5	MEMCHECK:	PUSH DE
1246	1B8D	09		ADD HL, BC
1247	1B8E	380A		JR C, MEMER
1248	1B90	EB		EX DE, HL
1249	1B91	CDA21B		CALL MEMTOP
1250	1B94	B7		OR A
1251	1B95	ED52		SBC HL, DE
1252	1B97	EB		EX DE, HL
1253	1B98	D1		POP DE
1254	1B99	D0		RET NC
1255	1B9A	CDFA1B	MEMER:	CALL WORDSP
1256	1B9D	2E40		LD L, M20 &255
1257	1B9F	C32C19		JP ERR
1258				
1259	1BA2	2A8613	MEMTOP:	LD HL, (LIMIT)
1260	1BA5	7C		LD A, H
1261	1BA6	B5		OR L
1262	1BA7	C0		RET NZ
1263	1BA8	21FF25		LD HL, AEND.OFFH
1264	1BAB	24	MEM2:	INC H
1265	1BAC	7E		LD A, (HL)
1266	1BAD	2F		CPL
1267	1BAE	77		LD (HL), A
1268	1BAF	BE		CP (HL)
1269	1BB0	2F		CPL
1270	1BB1	77		LD (HL), A
1271	1BB2	2005		JR NZ, MEM3
1272	1BB4	7C		LD A, H
1273	1BB5	FED0		CP ODOH
1274	1BB7	20F2		JR NZ, MEM2
1275	1BB9	25	MEM3:	DEC H
1276	1BBA	C9		RET
1277				
1278	1BBB	CD1E19	NEXT:	CALL EOF
1279	1BBE	010000		LD BC, 0

1280 1BC1 7E		NX1:	LD A, (HL)	
1281 1BC2 23			INC HL	
1282 1BC3 03			INC BC	
1283 1BC4 FE0D			CP CR	
1284 1BC6 20F9			JR NZ, NX1	
1285 1BC8 C9			RET	
1286				
1287 1BC9 E5		POSITION:	PUSH HL	;New arrangement
1288 1BCA C5			PUSH BC	
1289 1BCB 0605			LD B, 5	
1290 1BCD EDSB8413			LD DE, (LCT)	
1291 1BD1 CDD71B			CALL POS0	
1292 1BD4 C1			POP BC	
1293 1BD5 E1			POP HL	
1294 1BD6 C9			RET	
1295				
1296 1BD7 213213		POS0:	LD HL, TBUFF+36	
1297 1BDA E5			PUSH HL	
1298 1BDB 3620		POS1:	LD (HL), BLANK	
1299 1BDD 23			INC HL	
1300 1BDE 10FB			DJNZ POS1	
1301 1BE0 360D			LD (HL), CR	
1302 1BE2 EB			EX DE, HL	
1303 1BE3 1B			DEC DE	
1304 1BE4 010A00			LD BC, 10	
1305 1BE7 1B		POS2:	DEC DE	
1306 1BE8 D5			PUSH DE	
1307 1BE9 EB			EX DE, HL	
1308 1BEA CDEA1F			CALL MA50	
1309 1BED 7B			LD A, E	
1310 1BEE D1			POP DE	
1311 1BEF C630			ADD A, '0'	
1312 1BF1 12			LD (DE), A	
1313 1BF2 7D			LD A, L	
1314 1BF3 B4			OR H	
1315 1BF4 20F1			JR NZ, POS2	
1316 1BF6 E1			POP HL	
1317 1BF7 C3D819			JP STR1	
1318				
1319 1BFA 7C		WORDSP:	LD A, H	
1320 1BFB CD041C			CALL BYTE	
1321 1BFE 7D			LD A, L	
1322 1BFF E5		BYTESP:	PUSH HL	
1323 1C00 214419			LD HL, SPACE	
1324 1C03 E3			EX (SP), HL	
1325 1C04 F5		BYTE:	PUSH AF	
1326 1C05 0F			RRCA	
1327 1C06 0F			RRCA	
1328 1C07 0F			RRCA	
1329 1C08 0F			RRCA	
1330 1C09 CD0D1C			CALL NYB	
1331 1C0C F1			POP AF	
1332 1C0D E60F		NYB:	AND OFH	
1333 1C0F C690			ADD A, 90H	
1334 1C11 27			DAA	
1335 1C12 CE40			ADC A, 40H	
1336 1C14 27			DAA	
1337 1C15 C34619			JP OUTPUT	
1338				
1339 1C18 228813		UPDATE:	LD (CURRENT), HL	

1340	1C1B E5	LINC:	PUSH	HL
1341	1C1C 2A8413		LD	HL, (LCT)
1342	1C1F 23		INC	HL
1343	1C20 228413		LD	(LCT),HL
1344	1C23 E1		POP	HL
1345	1C24 C9		RET	
1346				
1347		;Table lengths		
1348				
1349		JL:	EQU	3
1350		CL:	EQU	1
1351		TL:	EQU	16
1352		LL:	EQU	21
1353		AL:	EQU	2
1354		SBL:	EQU	2
1355		ADL:	EQU	4
1356		INL:	EQU	3
1357		DL:	EQU	3
1358		XL:	EQU	4
1359				
1360		S:	EQU	80H
1361				
1362		;Register Pair Idents		
1363				
1364		IBC:	EQU	0
1365		IDE:	EQU	2
1366		IHL:	EQU	4
1367		IAF:	EQU	0EH
1368		ISP:	EQU	6
1369				
1370		;Register Identifiers		
1371				
1372		IB:	EQU	0
1373		IC:	EQU	1
1374		ID:	EQU	2
1375		IE:	EQU	3
1376		IH:	EQU	4
1377		IL:	EQU	5
1378		IA:	EQU	7
1379				
1380		IIX:	EQU	ODDH
1381		IYY:	EQU	OFDH
1382				
1383		IREF:	EQU	8
1384		IINT:	EQU	0
1385				
1386		;Condition Code Idents		
1387				
1388		ICY:	EQU	18H
1389		INCY:	EQU	10H
1390		IZ:	EQU	8
1391		INZ:	EQU	0
1392		IPD:	EQU	20H
1393		IPE:	EQU	28H
1394		IMIN:	EQU	38H
1395		IPOS:	EQU	30H
1396				
1397		;Parser Exit Tokens		
1398				
1399		TR:	EQU	0

1400	RI:	EQU 4
1401	RP:	EQU 1
1402	RPI:	EQU 5
1403	XY:	EQU 2
1404	XYI:	EQU 6
1405	NO:	EQU 3
1406	NOI:	EQU 7
1407	RE:	EQU 8
1408	CC:	EQU 9
1409	XYD:	EQU 10
1410	TCR:	EQU 11

1411

1412

;Intermediate Tokens

1413

1414

TALPHA: EQU 30H

1415

TLAB: EQU 31H

1416

TOPD: EQU 32H

1417

TCOM: EQU 33H

1418

TIND: EQU 34H

1419

TADD: EQU 40H

1420

TSUB: EQU OCOH

1421

TMUL: EQU 80H

1422

TDIV: EQU 81H

1423

TAND: EQU 82H

1424

TOR: EQU 83H

1425

TDEF: EQU 35H

1426

TLIT: EQU 36H

1427

1428

;Two Pass ASSEMBLER

1429

1430 1C25 CDB91C

ASMB: CALL GETOPTION

1431 1C2B 219925

LD HL, AEND+1

1432 1C2B 36FF

LD (HL), OFFH

1433 1C2D 229213

LD (FEP), HL

1434 1C30 CD371C

CALL PASS

1435 1C33 DDCB00AE

RES 5, (IX+F1)

1436

1437 1C37 CDB214

PASS: CALL TOP

1438 1C3A CDBE1C

PS1: CALL HOLD

1439 1C3D 2A8813

LD HL, (CURRENT)

1440 1C40 229013

LD (TEMP), HL

1441 1C43 2A9813

LD HL, (PC)

1442 1C46 E5

PUSH HL

1443 1C47 210000

LD HL, 0

1444 1C4A 227313

LD (FLAGS+F2), HL

1445 1C4D 227613

LD (FLAGS+F6), HL

1446 1C50 CDAE20

CALL CLASS

1447 1C53 FE31

CP TLAB

1448 1C55 CCCE1C

CALL Z, SYMBOL

1449 1C58 FE0B

CP TCR

1450 1C5A 2819

JR Z, PS2

1451 1C5C FE30

CP TALPHA

1452 1C5E 2024

JR NZ, E1

;Non alpha

1453 1C60 CDBE1E

CALL OPTSCH

1454 1C63 381F

JR C, E1

1455 1C65 DD7104

LD (IX+F6), C

1456 1C68 CD221D

CALL JUMP

1457 1C6B C2E21E

JP NZ, E6

1458 1C6E CD3F1F

CALL PARSER

1459 1C71 FE0B

CP TCR

1460	1C73	200F		JR	NZ,E1	
1461	1C75	E1	PS2:	POP	HL	
1462	1C76	DDCB006E		BIT	5,(IX+F1)	
1463	1C7A	CC9C1D		CALL	Z,LIST	
1464	1C7D	CD1B1C		CALL	LINC	
1465	1C80	04		INC	B	
1466	1C81	20B7		JR	NZ,PS1	
1467	1C83	C9		RET		
1468						
1469	1C84	2E0B	E1:	LD	L,M2 &255	
1470	1C86	C3BF14		JP	ER	
1471						
1472	1C89	2E28	GETOPTION:	LD	L,M7 &255	
1473	1C8B	CDE219		CALL	CUE	
1474	1C8E	F6B8		OR	OBBH	
1475	1C90	DD7700		LD	(IX+F1),A	
1476	1C93	DD360301		LD	(IX+F5),1	
1477	1C97	210000		LD	HL,0	
1478	1C9A	228213		LD	(PAGENO),HL	
1479	1C9D	FEFD		CP	'E'.OBBH	
1480	1C9F	C0		RET	NZ	
1481	1CA0	DD360056		LD	(IX+0),'0'	
1482	1CA4	21ED12		LD	HL,PBUFF+1	!New
1483	1CA7	061D		LD	B,29	
1484	1CA9	3E20		LD	A,' '	
1485	1CAB	77	GETOP1:	LD	(HL),A	
1486	1CAC	23		INC	HL	
1487	1CAD	10FC		DJNZ	GETOP1	
1488	1CAF	2E71		LD	L,M21&255	
1489	1CB1	CDE219		CALL	CUE	
1490	1CB4	110913		LD	DE,PBUFF+29	
1491	1CB7	EDB8		LDDR		
1492	1CB9	DD3600FD		LD	(IX+0),'E'.OBBH	
1493	1CBD	C9		RET		
1494						
1495	1CBE	CDC419	HOLD:	CALL	BREAK	
1496	1CC1	C0		RET	NZ	
1497	1CC2	DDCB0076		BIT	6,(IX+F1)	
1498	1CC6	CAD613		JP	Z,ZEN	
1499	1CC9	DDCB009E		RES	3,(IX+F1)	
1500	1CCD	C9		RET		
1501						
1502	1CCE	DDCB01CE	SYMBOL:	SET	1,(IX+F2)	
1503	1CD2	0C		INC	C	
1504	1CD3	DD7105		LD	(IX+F7),C	
1505	1CD6	0D		DEC	C	
1506	1CD7	CABD14		JP	Z,E0	
1507	1CDA	CD7B1E		CALL	SYMSCH	
1508	1CDD	FD229613		LD	(LBLEP),IY	
1509	1CE1	DDCB006E		BIT	5,(IX+F1)	
1510	1CE5	2838		JR	Z,SY2	
1511	1CE7	2E4C		LD	L,M13 &255	
1512	1CE9	D2BF14		JP	NC,ER	
1513	1CEC	CD801E		CALL	OPDSCH	
1514	1CEF	2E37		LD	L,M12 &255	
1515	1CF1	D2BF14		JP	NC,ER	
1516	1CF4	2A9213		LD	HL,(FEP)	
1517	1CF7	E5		PUSH	HL	
1518	1CF8	0600		LD	B,0	
1519	1CFA	09		ADD	HL,BC	

1520	1CFB	23		INC	HL
1521	1CFC	23		INC	HL
1522	1CFD	23		INC	HL
1523	1CFE	CD811B		CALL	SOF
1524	1D01	2E47		LD	L,M14 &255
1525	1D03	DABF14		JP	C,ER
1526	1D06	E1		POP	HL
1527	1D07	EB		EX	DE,HL
1528	1D08	EDBO		LDIR	
1529	1D0A	EB		EX	DE,HL
1530	1D0B	2B		DEC	HL
1531	1D0C	CBFE		SET	7,(HL)
1532	1D0E	C1		POP	BC
1533	1D0F	D1		POP	DE
1534	1D10	D5		PUSH	DE
1535	1D11	C5		PUSH	BC
1536	1D12	23		INC	HL
1537	1D13	73		LD	(HL),E
1538	1D14	23		INC	HL
1539	1D15	72		LD	(HL),D
1540	1D16	229613		LD	(LBLP),HL
1541	1D19	23		INC	HL
1542	1D1A	36FF		LD	(HL),OFFH
1543	1D1C	229213		LD	(FEP),HL
1544	1D1F	C3AE20	SY2:	JP	CLASS
1545					
1546	1D22	44	JUMP:	LD	B,H
1547	1D23	CB7D		BIT	7,L
1548	1D25	2004		JR	NZ,JP2
1549	1D27	DDCB01DE		SET	3,(IX+F2)
1550	1D2B	CBBD	JP2:	RES	7,L
1551	1D2D	5D		LD	E,L
1552	1D2E	1600		LD	D,0
1553	1D30	7D		LD	A,L
1554	1D31	21641D		LD	HL,JPTAB
1555	1D34	19		ADD	HL,DE
1556	1D35	5E		LD	E,(HL)
1557	1D36	23		INC	HL
1558	1D37	56		LD	D,(HL)
1559	1D38	D5		PUSH	DE
1560	1D39	FE05		CP	5
1561	1D3B	D8		RET	C
1562	1D3C	FE25		CP	37
1563	1D3E	DA3F1F		JP	C,PARSER
1564	1D41	CD3F1F		CALL	PARSER
1565	1D44	E5		PUSH	HL
1566	1D45	F5		PUSH	AF
1567	1D46	CD3F1F		CALL	PARSER
1568	1D49	4F		LD	C,A
1569	1D4A	F1		POP	AF
1570	1D4B	EB		EX	DE,HL
1571	1D4C	E1		POP	HL
1572	1D4D	07		RLCA	
1573	1D4E	07		RLCA	
1574	1D4F	07		RLCA	
1575	1D50	07		RLCA	
1576	1D51	B1		OR	C
1577	1D52	4F		LD	C,A
1578	1D53	FDE1		POP	IY
1579	1D55	CD5F20		CALL	FIND

1580	1D58	47		LD	B,A
1581	1D59	2801		JR	Z,JP3
1582	1D5B	EB		EX	DE,HL
1583	1D5C	7D	JP3:	LD	A,L
1584	1D5D	07		RLCA	
1585	1D5E	07		RLCA	
1586	1D5F	07		RLCA	
1587	1D60	07		RLCA	
1588	1D61	B3		OR	E
1589	1D62	FDE9		JP	(IY)
1590					
1591	1D64	FE1E	JPTAB:	DW	MOFB
1592	1D66	1522		DW	L30
1593	1D68	BE21		DW	ENDH
1594	1D6A	8122		DW	RSTH
1595	1D6C	8E22		DW	RETH
1596	1D6E	C322		DW	PPH
1597	1D70	2121		DW	JRH
1598	1D72	2F21		DW	DJH
1599	1D74	EF22		DW	INCH
1600	1D76	4E23		DW	ML1
1601	1D78	8523		DW	SRH
1602	1D7A	7323		DW	BITH
1603	1D7C	4E21		DW	DWH
1604	1D7E	5421		DW	DBH
1605	1D80	7121		DW	DSH
1606	1D82	B121		DW	EQUH
1607	1D84	A021		DW	ORGH
1608	1D86	DB22		DW	IMH
1609	1D88	9421		DW	LOADH
1610	1D8A	C021		DW	LTAB
1611	1D8C	AD22		DW	CALTAB
1612	1D8E	9822		DW	JMPTAB
1613	1D90	C323		DW	XTAB
1614	1D92	9E23		DW	INTAB
1615	1D94	1723		DW	ADDTAB
1616	1D96	0923		DW	ADCTAB
1617	1D98	1023		DW	SBCTAB
1618	1D9A	A823		DW	OUTAB
1619					
1620	1D9C	DDCB0076	LIST:	BIT	6,(IX+F1)
1621	1DA0	C8		RET	Z
1622	1DA1	DDCB0056		BIT	2,(IX+F1)
1623	1DA5	C8		RET	Z
1624	1DA6	C5		PUSH	BC
1625	1DA7	DD4E02		LD	C,(IX+F3)
1626	1DAA	ED5B7613		LD	DE,(FLAGS+F6)
1627	1DAE	FD210E13		LD	IY,TBUFF
1628	1DB2	D5	LS1:	PUSH	DE
1629	1DB3	CD151A		CALL	PAGE
1630	1DB6	CDC91B		CALL	POSITION
1631	1DB9	D1		POP	DE
1632	1DBA	060E		LD	B,14
1633	1DBC	OC		INC	C
1634	1DBD	OD		DEC	C
1635	1DBE	2817		JR	Z,LS4
1636	1DC0	CDFA1B		CALL	WORDSP
1637	1DC3	0604		LD	B,4
1638	1DC5	FD7E00	LS2:	LD	A,(IY+0)
1639	1DCB	CD041C		CALL	BYTE

1640	1DCB	FD23		INC	IY	
1641	1DCD	23		INC	HL	
1642	1DCE	0D		DEC	C	
1643	1DCF	2803		JR	Z,LS3	
1644	1DD1	10F2		DJNZ	LS2	
1645	1DD3	04		INC	B	
1646	1DD4	CB20	LS3:	SLA	B	
1647	1DD6	05		DEC	B	
1648	1DD7	CD4419	LS4:	CALL	SPACE	
1649	1DDA	10FB		DJNZ	LS4	
1650	1DDC	C5		PUSH	BC	
1651	1DDD	E5		PUSH	HL	
1652	1DDE	FDE5		PUSH	IY	
1653	1DE0	FD217813		LD	IY,COMWIDTH	
1654	1DE4	2A9013		LD	HL,(TEMP)	
1655	1DE7	0EFF		LD	C,OFFH	
1656	1DE9	DDCB0146		BIT	0,(IX+F2)	
1657	1DED	2829		JR	Z,LS7	
1658	1DEF	CD371E		CALL	SYMFIELD	
1659	1DF2	53		LD	D,E	
1660	1DF3	CD3B1E		CALL	FIELD	
1661	1DF6	5A		LD	E,D	
1662	1DF7	E5		PUSH	HL	
1663	1DF8	7E	LS5:	LD	A,(HL)	
1664	1DF9	FE0D		CP	CR	
1665	1DFB	2817		JR	Z,LS6	
1666	1DFD	FE3B		CP	"I"	
1667	1DFF	2813		JR	Z,LS6	
1668	1E01	14		INC	D	
1669	1E02	23		INC	HL	
1670	1E03	FE27		CP	""	;New ; listing
1671	1E05	2804		JR	Z,LS51	
1672	1E07	FE22		CP	""	
1673	1E09	20E0D		JR	NZ,LS5	
1674	1E0B	47	LS51:	LD	B,A	;Quote ch
1675	1E0C	7E	LS52:	LD	A,(HL)	
1676	1E0D	14		INC	D	
1677	1E0E	23		INC	HL	
1678	1E0F	B8		CP	B	
1679	1E10	20FA		JR	NZ,LS52	
1680	1E12	18E4		JR	LS5	
1681	1E14	E1	LS6:	POP	HL	
1682	1E15	CD3B1E		CALL	FIELD	
1683	1E18	E5	LS7:	PUSH	HL	
1684	1E19	7E	LS8:	LD	A,(HL)	
1685	1E1A	FE0D		CP	CR	
1686	1E1C	2804		JR	Z,LS9	
1687	1E1E	14		INC	D	
1688	1E1F	23		INC	HL	
1689	1E20	18F7		JR	LS8	
1690	1E22	E1	LS9:	POP	HL	
1691	1E23	CD3B1E		CALL	FIELD	
1692	1E26	229013		LD	(TEMP),HL	
1693	1E29	FDE1		POP	IY	
1694	1E2B	E1		POP	HL	
1695	1E2C	C1		POP	BC	
1696	1E2D	CD3C19		CALL	CRLF	
1697	1E30	0C		INC	C	
1698	1E31	0D		DEC	C	
1699	1E32	C2B21D		JP	NZ,LS1	

1700 1E35 C1		POP BC
1701 1E36 C9		RET
1702		
1703 1E37 FD217A13	SYMFIELD:	LD IY, SYMWIDTH
1704 1E38 FD4600	FIELD:	LD B, (IY+0)
1705 1E3E DDCB004E		BIT 1, (IX+F1)
1706 1E42 2803		JR Z, FD1
1707 1E44 FD4601		LD B, (IY+1)
1708 1E47 FD23	FD1:	INC IY
1709 1E49 FD23		INC IY
1710 1E48 7A		LD A, D
1711 1E4C 88		CP B
1712 1E4D 3801		JR C, FD2
1713 1E4F 78		LD A, B
1714 1E50 3C	FD2:	INC A
1715 1E51 3D	FD3:	DEC A
1716 1E52 280A		JR Z, FD4
1717 1E54 F5		PUSH AF
1718 1E55 7E		LD A, (HL)
1719 1E56 A1		AND C
1720 1E57 CD4619		CALL OUTPUT
1721 1E5A F1		POP AF
1722 1E5B 23		INC HL
1723 1E5C 18F3		JR FD3
1724 1E5E 78	FD4:	LD A, B
1725 1E5F 92		SUB D
1726 1E60 3004		JR NC, FD6
1727 1E62 23	FD5:	INC HL
1728 1E63 3C		INC A
1729 1E64 20FC		JR NZ, FD5
1730 1E66 7A	FD6:	LD A, D
1731 1E67 90		SUB B
1732 1E68 1600		LD D, 0
1733 1E6A 3008		JR NC, FDB
1734 1E6C F5	FD7:	PUSH AF
1735 1E6D CD4419		CALL SPACE
1736 1E70 F1		POP AF
1737 1E71 3C		INC A
1738 1E72 20F8		JR NZ, FD7
1739 1E74 7E	FD8:	LD A, (HL)
1740 1E75 FE20		CP BLANK
1741 1E77 C0		RET NZ
1742 1E78 23		INC HL
1743 1E79 18F9		JR FDB
1744		
1745 1E7B 219925	SYMSCH:	LD HL, AEND+1
1746 1E7E 182C		JR SEARCH
1747		
1748 1E80 21E423	OPDSCH:	LD HL, CCODES
1749 1E83 DDCB015E		BIT 3, (IX+F2)
1750 1E87 2823		JR Z, SEARCH
1751 1E89 210724		LD HL, REGS
1752 1E8C 181E		JR SEARCH
1753		
1754 1E8E 213F24	OPTSCH:	LD HL, KEYTB
1755 1E91 C5		PUSH BC
1756 1E92 0E01		LD C, 1
1757 1E94 CDAC1E		CALL SEARCH
1758 1E97 C1		POP BC
1759 1E98 23		INC HL

1760 1E99 3811		JR	C, SEARCH	
1761 1E9B 13		INC	DE	
1762 1E9C 0D		DEC	C	
1763 1E9D 37		SCF		
1764 1E9E C4AC1E		CALL	NZ, SEARCH	
1765 1EA1 03		INC	BC	
1766 1EA2 1B		DEC	DE	
1767 1EA3 C9		RET		
1768				
1769 1EA4 CB7E	BAD:	BIT	7, (HL)	
1770 1EA6 23		INC	HL	
1771 1EA7 28FB		JR	Z, BAD	
1772 1EA9 23		INC	HL	
1773 1EAA 23		INC	HL	
1774 1EAB D1		POP	DE	
1775				
1776 1EAC 7E	SEARCH:	LD	A, (HL)	
1777 1EAD 3C		INC	A	
1778 1EAE 37		SCF		
1779 1EAF C8		RET	Z	
1780 1EB0 D5		PUSH	DE	
1781 1EB1 41		LD	B, C	
1782 1EB2 1A	SC2:	LD	A, (DE)	
1783 1EB3 1002		DJNZ	SC3	
1784 1EB5 CBFF		SET	7, A	
1785 1EB7 04	SC3:	INC	B	
1786 1EB8 BE		CP	(HL)	
1787 1EB9 20E9		JR	NZ, BAD	
1788 1EBB 13		INC	DE	
1789 1EBC 23		INC	HL	
1790 1EBD 10F3		DJNZ	SC2	
1791 1EBF 5E		LD	E, (HL)	
1792 1ECO 23		INC	HL	
1793 1EC1 56		LD	D, (HL)	
1794 1EC2 E3		EX	(SP), HL	
1795 1EC3 EB		EX	DE, HL	
1796 1EC4 FDE1		POP	IY	
1797 1EC6 C9		RET		
1798				
1799 1EC7 FE03	RESOLV:	CP	NO	
1800 1EC9 2017		JR	NZ, E6	;Not number
1801 1ECB DD7E01		LD	A, (IX+F2)	
1802 1ECE CB67		BIT	4, A	
1803 1ED0 C24A20		JP	NZ, E7	
1804 1ED3 CB4F		BIT	1, A	
1805 1ED5 C9		RET		
1806				
1807 1ED6 FE03	LITLE:	CP	NO	
1808 1ED8 2008		JR	NZ, E6	
1809 1EDA DDCB006E	LITLE2:	BIT	5, (IX+F1)	
1810 1EDE CO		RET	NZ	;Pass 1
1811 1EDF 7C		LD	A, H	
1812 1EE0 B7		OR	A	
1813 1EE1 C8		RET	Z	
1814 1EE2 2E5A	E6:	LD	L, M16 & 255	
1815 1EE4 C3BF14		JP	ER	
1816				
1817 1EE7 5D	MOFMIX:	LD	E, L	
1818 1EE8 CB5B	MOFMX2:	BIT	3, E	
1819 1EEA 20F6		JR	NZ, E6	

1820	1EEC	7B		LD	A,E
1821	1EED	07		RLCA	
1822	1EEE	07		RLCA	
1823	1EEF	07		RLCA	
1824	1EFO	80		OR	B
1825	1EF1	180C		JR	MOF
1826	1EF3	3EED	MOFPRE:	LD	A,OEDH
1827	1EF5	180B		JR	MOF
1828	1EF7	7D	MOFLH:	LD	A,L
1829	1EF8	CDFF1E		CALL	MOF
1830	1EFB	7C	MOFH:	LD	A,H
1831	1EFC	1801		JR	MOF
1832	1EFE	78	MOFB:	LD	A,B
1833					
1834	1EFF	E5	MOF:	PUSH	HL
1835	1F00	C5		PUSH	BC
1836	1F01	CDBE20		CALL	CL2
1837	1F04	23		INC	HL
1838	1F05	229813		LD	(PC),HL
1839	1F08	DDCB006E		BIT	5,(IX+F1)
1840	1F0C	201F		JR	NZ,MOF5
1841	1F0E	DDCB0056		BIT	2,(IX+F1)
1842	1F12	CC341F		CALL	Z,MOFOUT
1843	1F15	DDCB0066		BIT	4,(IX+F1)
1844	1F19	2008		JR	NZ,MOF2
1845	1F1B	2A9A13		LD	HL,(OBJ)
1846	1F1E	77		LD	(HL),A
1847	1F1F	23		INC	HL
1848	1F20	229A13		LD	(OBJ),HL
1849	1F23	0600	MOF2:	LD	B,0
1850	1F25	DD4E02		LD	C,(IX+F3)
1851	1F28	210E13		LD	HL,TBUFF
1852	1F2B	09		ADD	HL,BC
1853	1F2C	77		LD	(HL),A
1854	1F2D	DD3402	MOF5:	INC	(IX+F3)
1855	1F30	C1		POP	BC
1856	1F31	E1		POP	HL
1857	1F32	AF		XOR	A
1858	1F33	C9		RET	
1859					
1860	1F34	F5	MOFOUT:	PUSH	AF
1861	1F35	D8EA	MOF02:	IN	A,(OEAH)
1862	1F37	CB6F		BIT	5,A
1863	1F39	28FA		JR	Z,MOF02
1864	1F3B	F1		POP	AF
1865	1F3C	D3E0		OUT	(OE0H),A
1866	1F3E	C9		RET	
1867					
1868	1F3F	DDCB0146	PARSER:	BIT	0,(IX+F2)
1869	1F43	3E0B		LD	A,TCR
1870	1F45	C0		RET	NZ
1871	1F46	C5		PUSH	BC
1872	1F47	CD4C1F		CALL	PA1
1873	1F4A	C1		POP	BC
1874	1F4B	C9		RET	
1875					
1876	1F4C	CD1920	PA1:	CALL	TERM
1877	1F4F	DB		RET	C
1878	1F50	FE34		CP	TIND
1879	1F52	0600		LD	B,0

;Get PC

1880 1F54 2005		JR	NZ, PA2
1881 1F56 CD1920		CALL	TERM
1882 1F59 0604		LD	B, 4
1883 1F5B FE32	PA2:	CP	TOPD
1884 1F5D 2031		JR	NZ, PA7
1885 1F5F 7C		LD	A, H
1886 1F60 B0		OR	B
1887 1F61 57		LD	D, A
1888 1F62 E5		PUSH	HL
1889 1F63 CD1920		CALL	TERM
1890 1F66 E1		POP	HL
1891 1F67 4F		LD	C, A
1892 1F68 7A		LD	A, D
1893 1F69 D8		RET	C
1894 1F6A FE06		CP	XYI
1895 1F6C 202F		JR	NZ, PER
1896 1F6E CB71		BIT	6, C
1897 1F70 282B		JR	Z, PER
1898 1F72 45		LD	B, L
1899 1F73 C5		PUSH	BC
1900 1F74 CD1920		CALL	TERM
1901 1F77 CDA01F		CALL	PA4
1902 1F7A C1		POP	BC
1903 1F7B CDDA1E		CALL	LITL2
1904 1F7E 200C		JR	NZ, PA3
1905 1F80 7D		LD	A, L
1906 1F81 CB79		BIT	7, C
1907 1F83 2803		JR	Z, PA31
1908 1F85 ED44		NEG	
1909 1F87 6F		LD	L, A
1910 1F88 A9	PA31:	XOR	C
1911 1F89 FAE21E		JP	M, E6
1912 1F8C 60	PA3:	LD	H, B
1913 1F8D 3E0A		LD	A, XYD
1914 1F8F C9		RET	
1915			
1916 1F90 FE36	PA7:	CP	TLIT
1917 1F92 200C		JR	NZ, PA4
1918 1F94 B0		OR	B
1919 1F95 6F		LD	L, A
1920 1F96 E5		PUSH	HL
1921 1F97 CD1920		CALL	TERM
1922 1F9A E1		POP	HL
1923 1F9B 7D		LD	A, L
1924 1F9C D8		RET	C
1925 1F9D C3E21E	PER:	JP	E6
1926			
1927 1FA0 FE03	PA4:	CP	NO
1928 1FA2 20F9		JR	NZ, PER
1929 1FA4 B0		OR	B
1930 1FA5 F5		PUSH	AF
1931 1FA6 E5	PA5:	PUSH	HL
1932 1FA7 CD1920		CALL	TERM
1933 1FAA E1		POP	HL
1934 1FAB 3811		JR	C, PA6
1935 1FAD F5		PUSH	AF
1936 1FAE E5		PUSH	HL
1937 1FAF CD1920		CALL	TERM
1938 1FB2 EB		EX	DE, HL
1939 1FB3 E1		POP	HL

1940	1FB4	FE03		CP	NO
1941	1FB6	20E5		JR	NZ,PER
1942	1FB8	F1		POP	AF
1943	1FB9	CDC01F		CALL	MATH
1944	1FBC	18E8		JR	PA5
1945	1FBE	F1	PA6:	POP	AF
1946	1FBF	C9		RET	
1947					
1948	1FC0	FE40	MATH:	CP	TADD
1949	1FC2	2002		JR	NZ,MA2
1950	1FC4	19		ADD	HL,DE
1951	1FC5	C9		RET	
1952	1FC6	FECO	MA2:	CP	TSUB
1953	1FC8	2003		JR	NZ,MA3
1954	1FCA	ED52		SBC	HL,DE
1955	1FCC	C9		RET	
1956	1FCD	FE82	MA3:	CP	TAND
1957	1FCF	2007		JR	NZ,MA4
1958	1FD1	7B		LD	A,E
1959	1FD2	A5		AND	L
1960	1FD3	6F		LD	L,A
1961	1FD4	7A		LD	A,D
1962	1FD5	A4		AND	H
1963	1FD6	67		LD	H,A
1964	1FD7	C9		RET	
1965					
1966	1FD8	FE83	MA4:	CP	TOR
1967	1FDA	2007		JR	NZ,MA5
1968	1FDC	7B		LD	A,E
1969	1FDD	B5		OR	L
1970	1FDE	6F		LD	L,A
1971	1FDF	7A		LD	A,D
1972	1FEO	B4		OR	H
1973	1FE1	67		LD	H,A
1974	1FE2	C9		RET	
1975					
1976	1FE3	4B	MA5:	LD	C,E
1977	1FE4	42		LD	B,D
1978	1FE5	EB		EX	DE,HL
1979	1FE6	FE81		CP	TDIV
1980	1FE8	2018		JR	NZ,MA6
1981	1FEA	210000	MA50:	LD	HL,0
1982	1FED	3E11		LD	A,17
1983	1FEF	B7		OR	A
1984	1FF0	ED6A	MA51:	ADC	HL,HL
1985	1FF2	ED42		SBC	HL,BC
1986	1FF4	3002		JR	NC,MA52
1987	1FF6	09		ADD	HL,BC
1988	1FF7	37		SCF	
1989	1FF8	3F	MA52:	CCF	
1990	1FF9	CB13		RL	E
1991	1FFB	CB12		RL	D
1992	1FFD	3D		DEC	A
1993	1FFE	20F0		JR	NZ,MA51
1994	2000	EB		EX	DE,HL
1995	2001	C9		RET	
1996					
1997	2002	FE80	MA6:	CP	TMUL
1998	2004	2097		JR	NZ,PER
1999	2006	210000		LD	HL,0

2000	2009	3E10		LD	A,16
2001	200B	CB38	MA61:	SRL	B
2002	200D	CB19		RR	C
2003	200F	3001		JR	NC,MA62
2004	2011	19		ADD	HL,DE
2005	2012	EB	MA62:	EX	DE,HL
2006	2013	29		ADD	HL,HL
2007	2014	EB		EX	DE,HL
2008	2015	3D		DEC	A
2009	2016	20F3		JR	NZ,MA61
2010	2018	C9		RET	
2011					
2012	2019	CDAE20	TERM:	CALL	CLASS
2013	201C	FE31		CP	TLAB
2014	201E	CAE21E		JP	Z,E6
2015	2021	FE0B	TE2:	CP	TCR
2016	2023	2006		JR	NZ,TE3
2017	2025	DDCB01C6		SET	0,(IX+F2)
2018	2029	37		SCF	
2019	202A	C9		RET	
2020	202B	FE33	TE3:	CP	TCOM
2021	202D	37		SCF	
2022	202E	C8		RET	Z
2023	202F	FE30		CP	TALPHA
2024	2031	37		SCF	
2025	2032	3F		CCF	
2026	2033	C0		RET	NZ
2027	2034	CD801E		CALL	OPDSC
2028	2037	3E32		LD	A,TOPD
2029	2039	D0		RET	NC
2030	203A	CD7B1E		CALL	SYMSC
2031	203D	3E03		LD	A,NO
2032	203F	D0		RET	NC
2033	2040	3F		CCF	
2034	2041	DDCB01E6		SET	4,(IX+F2)
2035	2045	DDCB006E		BIT	5,(IX+F1)
2036	2049	C0		RET	NZ
2037	204A	2E62	E7:	LD	L,M17 &255
2038	204C	C3BF14		JP	ER
2039					
2040	204F	2A8813	TYPE:	LD	HL,(CURRENT)
2041	2052	CD1E19		CALL	EOF
2042	2055	23		INC	HL
2043	2056	228813		LD	(CURRENT),HL
2044	2059	2B		DEC	HL
2045	205A	7E		LD	A,(HL)
2046	205B	FD217D20		LD	IY,TYPTAB
2047					
2048	205F	D5	FIND:	PUSH	DE
2049	2060	FDE5		PUSH	IY
2050	2062	E3		EX	(SP),HL
2051	2063	5E		LD	E,(HL)
2052	2064	53		LD	D,E
2053	2065	23	FIN1:	INC	HL
2054	2066	BE		CP	(HL)
2055	2067	2803		JR	Z,FIN2
2056	2069	15		DEC	D
2057	206A	20F9		JR	NZ,FIN1
2058	206C	1600	FIN2:	LD	D,0
2059	206E	19		ADD	HL,DE

2060	206F	7E		LD	A, (HL)
2061	2070	19		ADD	HL, DE
2062	2071	5F		LD	E, A
2063	2072	7E		LD	A, (HL)
2064	2073	CB7B		BIT	7, E
2065	2075	CB8B		RES	7, E
2066	2077	19		ADD	HL, DE
2067	2078	E3		EX	(SP), HL
2068	2079	FDE1		POP	IY
2069	207B	D1		POP	DE
2070	207C	C9		RET	
2071					
2072	207D	100D27	TYPTAB:	DB	TL, CR, ""
2073	2080	242A2F2B		DB	'*+/-&. ()'
2073	2084	2D262E2B			
2073	2088	29			
2074	2089	3B3A222C		DB	'!:','
2075	208D	00		DB	0
2076					
2077	208E	1F		DB	CL3-S-TL
2078	208F	2C		DB	CL4-S-TL
2079	2090	1E		DB	CL2-S-TL
2080	2091	1C		DB	CL3-S-TL
2081	2092	1B		DB	CL3-S-TL
2082	2093	1A		DB	CL3-S-TL
2083	2094	19		DB	CL3-S-TL
2084	2095	18		DB	CL3-S-TL
2085	2096	17		DB	CL3-S-TL
2086	2097	16		DB	CL3-S-TL
2087	2098	06		DB	CLASS-S-TL
2088	2099	0D		DB	CL1-S-TL
2089	209A	13		DB	CL3-S-TL
2090	209B	20		DB	CL4-S-TL
2091	209C	11		DB	CL3-S-TL
2092	209D	3B		DB	CL5-S-TL
2093					
2094	209E	0B000380		DB	TCR, 0, NO, TMUL, TDIV
2094	20A2	B1			
2095	20A3	40C08283		DB	TADD, TSUB, TAND, TOR
2096	20A7	34000031		DB	TIND, 0, 0, TLAB
2097	20AB	003335		DB	0, TCOM, TDEF
2098					
2099	20AE	CD4F20	CLASS:	CALL	TYPE
2100	20B1	010021		LD	BC, 2100H
2101	20B4	FDE9		JP	(IY)
2102					
2103	20B6	CD4F20	CL1:	CALL	TYPE
2104	20B9	FE0B		CP	TCR
2105	20BB	20F9		JR	NZ, CL1
2106	20BD	C9	CL3:	RET	
2107	20BE	2A9813	CL2:	LD	HL, (PC)
2108	20C1	DDC8007E		BIT	7, (IX+F1)
2109	20C5	CB		RET	Z
2110	20C6	2E6C	E11:	LD	L, M18 & 255
2111	20C8	C3BF14		JP	ER
2112	20CB	E5	CL4:	PUSH	HL
2113	20CC	46		LD	B, (HL)
2114	20CD	5E	CL41:	LD	E, (HL)
2115	20CE	0C		INC	C
2116	20CF	CD4F20		CALL	TYPE

2117	20D2	FE0B		CP	TCR
2118	20D4	2B2C		JR	Z, CLER
2119	20D6	7E		LD	A, (HL)
2120	20D7	B8		CP	B
2121	20D8	20F3		JR	NZ, CL41
2122	20DA	EB		EX	DE, HL
2123	20DB	D1		POP	DE
2124	20DC	OD		DEC	C
2125	20DD	2B23		JR	Z, CLER
2126	20DF	61		LD	H, C
2127	20E0	3E03		LD	A, NO
2128	20E2	25		DEC	H
2129	20E3	C8		RET	Z
2130	20E4	24		INC	H
2131	20E5	3E36		LD	A, TLIT
2132	20E7	C9		RET	
2133					
2134	20E8	7E	CL5:	LD	A, (HL)
2135	20E9	B8		CP	B
2136	20EA	38C2		JR	C, CLASS
2137	20EC	FE30		CP	30H
2138	20EE	3815		JR	C, CL7
2139	20FO	FE3A		CP	3AH
2140	20F2	3011		JR	NC, CL7
2141	20F4	CD0521	CL6:	CALL	CL7
2142	20F7	FE31		CP	TLAB
2143	20F9	2B07		JR	Z, CLER
2144	20FB	41		LD	B, C
2145	20FC	CD211B		CALL	CONVERT
2146	20FF	3E03		LD	A, NO
2147	2101	DO		RET	NC
2148	2102	C3E21E	CLER:	JP	E6
2149					
2150	2105	E5	CL7:	PUSH	HL
2151	2106	D1		POP	DE
2152	2107	CB7E	CL71:	BIT	7, (HL)
2153	2109	C2B41C		JP	NZ, E1
2154	210C	0C		INC	C
2155	210D	CD4F20		CALL	TYPE
2156	2110	FE31		CP	TLAB
2157	2112	C8		RET	Z
2158	2113	FE35		CP	TDEF
2159	2115	2004		JR	NZ, CL72
2160	2117	7E		LD	A, (HL)
2161	2118	B8		CP	B
2162	2119	30EC		JR	NC, CL71
2163	211B	228813	CL72:	LD	(CURRENT), HL
2164	211E	3E30		LD	A, TALPHA
2165	2120	C9		RET	
2166					
2167	2121	FE09	JRH:	CP	CC
2168	2123	200A		JR	NZ, DJH
2169	2125	7D		LD	A, L
2170	2126	E6E7		AND	OE7H
2171	2128	C0		RET	NZ
2172	2129	45		LD	B, L
2173	212A	CBEB		SET	5, B
2174	212C	CD3F1F		CALL	PARSER
2175					
2176	212F	FE03	DJH:	CP	NO

2177	2131	CO		RET	NZ
2178	2132	CDFE1E		CALL	MOF8
2179	2135	DDC8006E		BIT	5, (IX+F1)
2180	2139	200F		JR	NZ, DJ2
2181	213B	ED5B9813		LD	DE, (PC)
2182	213F	37		SCF	
2183	2140	ED52		SBC	HL, DE
2184	2142	7C		LD	A, H
2185	2143	24		INC	H
2186	2144	2802		JR	Z, DJ1
2187	2146	25		DEC	H
2188	2147	CO		RET	NZ
2189	2148	AD	DJ1:	XOR	L
2190	2149	F8		RET	M
2191	214A	7D	DJ2:	LD	A, L
2192	214B	C3FF1E		JP	MOF
2193					
2194	214E	FE03	DWH:	CP	NO
2195	2150	CO		RET	NZ
2196	2151	C3F71E		JP	MOFLH
2197					
2198	2154	FE36	DBH:	CP	TLIT
2199	2156	200A		JR	NZ, DBH3
2200	2158	13	DBH1:	INC	DE
2201	2159	1A		LD	A, (DE)
2202	215A	CDFF1E		CALL	MOF
2203	215D	25		DEC	H
2204	215E	20F8		JR	NZ, DBH1
2205	2160	1807		JR	DBH4
2206					
2207	2162	CDD61E	DBH3:	CALL	LITLE
2208	2165	7D		LD	A, L
2209	2166	CDFF1E		CALL	MOF
2210	2169	CD3F1F	DBH4:	CALL	PARSER
2211	216C	FE0B		CP	TCR
2212	216E	20E4		JR	NZ, DBH
2213	2170	C9		RET	
2214					
2215	2171	CDC71E	DSH:	CALL	RESOLV
2216	2174	EB		EX	DE, HL
2217	2175	2A9813		LD	HL, (PC)
2218	2178	19		ADD	HL, DE
2219	2179	229813		LD	(PC), HL
2220	217C	2A9A13		LD	HL, (OBJ)
2221	217F	19		ADD	HL, DE
2222	2180	229A13		LD	(OBJ), HL
2223	2183	DD7E00		LD	A, (IX+F1)
2224	2186	E624		AND	24H
2225	2188	2014		JR	NZ, LDH2
2226	218A	7A	DSH1:	LD	A, D
2227	218B	B3		OR	E
2228	218C	C8		RET	Z
2229	218D	AF		XOR	A
2230	218E	CD341F		CALL	MOFOUT
2231	2191	1B		DEC	DE
2232	2192	18F6		JR	DSH1
2233					
2234	2194	CDC71E	LOADH:	CALL	RESOLV
2235	2197	229A13		LD	(OBJ), HL
2236	219A	DDC800A6		RES	4, (IX+F1)

2237 219E AF	LDH2:	XOR	A
2238 219F C9		RET	
2239			
2240 21A0 CDC71E	ORGH:	CALL	RESOLV
2241 21A3 229813		LD	(PC),HL
2242 21A6 DDCB00E6		SET	4,(IX+F1)
2243 21AA DDCB00BE		RES	7,(IX+F1)
2244 21AE 2007		JR	NZ,EQ2
2245 21B0 C9		RET	
2246			
2247 21B1 CDC71E	EQUH:	CALL	RESOLV
2248 21B4 CABD14		JP	Z,E0
2249 21B7 EB	EQ2:	EX	DE,HL
2250 21B8 2A9613		LD	HL,(LBLP)
2251 21BB 72		LD	(HL),D
2252 21BC 2B		DEC	HL
2253 21BD 73		LD	(HL),E
2254 21BE AF	ENDH:	XOR	A
2255 21BF C9		RET	
2256			
2257 21C0 15	LTAB:	DB	LL
2258 21C1 53		DB	RPI*16.NO
2259 21C2 03		DB	TR*16.NO
2260 21C3 80		DB	RE*16.TR
2261 21C4 08		DB	TR*16.RE
2262 21C5 00		DB	TR*16.TR
2263 21C6 11		DB	RP*16.RP
2264 21C7 72		DB	NOI*16.XY
2265 21C8 27		DB	XY*16.NOI
2266 21C9 23		DB	XY*16.NO
2267 21CA 70		DB	NOI*16.TR
2268 21CB 07		DB	TR*16.NOI
2269 21CC 71		DB	NOI*16.RP
2270 21CD 17		DB	RP*16.NOI
2271 21CE 12		DB	RP*16.XY
2272 21CF A3		DB	XYD*16.NO
2273 21D0 13		DB	RP*16.NO
2274 21D1 A0		DB	XYD*16.TR
2275 21D2 0A		DB	TR*16.XYD
2276 21D3 50		DB	RPI*16.TR
2277 21D4 05		DB	TR*16.RPI
2278 21D5 00		DB	0
2279			
2280 21D6 95		DB	L1-S-LL.S
2281 21D7 98		DB	L2-S-LL.S
2282 21D8 21		DB	L3-S-LL
2283 21D9 A0		DB	L3-S-LL.S
2284 21DA AC		DB	L4-S-LL.S
2285 21DB 31		DB	L5-S-LL
2286 21DC 35		DB	L6-S-LL
2287 21DD B4		DB	L6-S-LL.S
2288 21DE B3		DB	L6-S-LL.S
2289 21DF 3C		DB	L7-S-LL
2290 21E0 BB		DB	L7-S-LL.S
2291 21E1 42		DB	L8-S-LL
2292 21E2 C1		DB	L8-S-LL.S
2293 21E3 D2		DB	L9-S-LL.S
2294 21E4 DB		DB	LA-S-LL.S
2295 21E5 DF		DB	LB-S-LL.S
2296 21E6 63		DB	LC-S-LL

2297	21E7	E2		DB	LC-S-LL.S
2298	21E8	6A		DB	LE-S-LL
2299	21E9	E9		DB	LE-S-LL.S
2300	21EA	36		DB	LER-S-LL
2301					
2302	21EB	16064757		DB	16H, 6, 47H, 57H, 40H
2302	21EF	40			
2303	21FO	F9222A21		DB	OF9H, 22H, 2AH, 21H, 3
2303	21F4	32			
2304	21F5	3A222AF9		DB	3AH, 22H, 2AH, OF9H, 3
2304	21F9	36			
2305	21FA	01020A02		DB	1, 2, 0AH, 2, 0AH, 0
2305	21FE	0A00			
2306					
2307	2200	7B	L1:	LD	A, E
2308	2201	FE04		CP	IHL
2309	2203	C0		RET	NZ
2310	2204	CDDA1E	L2:	CALL	LITLE2
2311	2207	CDE81E		CALL	MOFMX2
2312	220A	7D		LD	A, L
2313	220B	C3FF1E	L21:	JP	MOF
2314					
2315	220E	7B	L3:	LD	A, E
2316	220F	FE07		CP	IA
2317	2211	C0		RET	NZ
2318	2212	7D		LD	A, L
2319	2213	80		OR	B
2320	2214	47		LD	B, A
2321	2215	CDF31E	L30:	CALL	MOFPRE
2322	2218	C3FE1E	L31:	JP	MOFB
2323					
2324	221B	7D	L4:	LD	A, L
2325	221C	80		OR	B
2326	221D	47		LD	B, A
2327	221E	C3E81E		JP	MOFMX2
2328					
2329	2221	FE64	L5:	CP	ISP*16. IHL
2330	2223	C0		RET	NZ
2331	2224	18F2		JR	L31
2332					
2333	2226	7B	L6:	LD	A, E
2334	2227	CDF1E	L61:	CALL	MOF
2335	222A	CDFE1E	L62:	CALL	MOFB
2336	222D	C3F71E	L63:	JP	MOFLH
2337					
2338	2230	7B	L7:	LD	A, E
2339	2231	FE07		CP	IA
2340	2233	28F5		JR	Z, L62
2341	2235	C3E21E	LER:	JP	E6
2342					
2343	2238	7B	L8:	LD	A, E
2344	2239	FE04		CP	IHL
2345	223B	28ED		JR	Z, L62
2346	223D	CDF31E		CALL	MOFPRE
2347	2240	78		LD	A, B
2348	2241	EE61		XOR	61H
2349	2243	47		LD	B, A
2350	2244	CDE81E		CALL	MOFMX2
2351	2247	C3F71E		JP	MOFLH
2352					

2353 224A 7B	L9:	LD	A,E
2354 224B FE06		CP	ISP
2355 224D CO		RET	NZ
2356 224E 60		LD	H,B
2357 224F 18DC		JR	L63
2358			
2359 2251 CDDA1E	LA:	CALL	LITLE2
2360 2254 7A		LD	A,D
2361 2255 65		LD	H,L
2362 2256 6B		LD	L,E
2363 2257 18CE		JR	L61
2364			
2365 2259 CDE81E	LB:	CALL	MOFMX2
2366 225C 18CF		JR	L63
2367			
2368 225E CDF81E	LC:	CALL	MOFH
2369 2261 CD7522		CALL	LE1
2370 2264 7D		LD	A,L
2371 2265 18A4		JR	L21
2372			
2373 2267 FE07	LE:	CP	IBC*16. IA
2374 2269 28AD		JR	Z,L31
2375 226B CBEO		SET	4,B
2376 226D FE27		CP	IDE*16. IA
2377 226F 28A7		JR	Z,L31
2378 2271 7D		LD	A,L
2379 2272 FE04		CP	IHL
2380 2274 CO		RET	NZ
2381 2275 CB58	LE1:	BIT	3,B
2382 2277 0646		LD	B,46H
2383 2279 C2E81E		JP	NZ,MOFMX2
2384 227C 7B		LD	A,E
2385 227D F670		OR	70H
2386 227F 188A		JR	L21
2387			
2388 2281 CDD61E	RSTH:	CALL	LITLE
2389 2284 2003		JR	NZ,RST2
2390 2286 7D		LD	A,L
2391 2287 A0		AND	B
2392 2288 CO		RET	NZ
2393 2289 7B	RST2:	LD	A,B
2394 228A B5		OR	L
2395 228B C3FF1E		JP	MOF
2396			
2397 228E FE09	RETH:	CP	CC
2398 2290 28F7		JR	Z,RST2
2399 2292 06C9		LD	B,0C9H
2400 2294 FE0B		CP	TCR
2401 2296 1811		JR	JMP21
2402			
2403 2298 03	JMPTAB:	DB	JL
2404 2299 6B		DB	XYI*16.TCR
2405 229A 5B		DB	RPI*16.TCR
2406 229B 00		DB	0
2407 229C 03		DB	JMP1-\$-JL
2408 229D 06		DB	JMP2-\$-JL
2409 229E 10		DB	JMP3-\$-JL
2410 229F E9E9C3		DB	OE9H,OE9H,OC3H
2411			
2412 22A2 60	JMP1:	LD	H,B

2413	22A3	C3F71E		JP	MOFLH
2414	22A6	7D	JMP2:	LD	A, L
2415	22A7	FE04		CP	IHL
2416	22A9	CO	JMP21:	RET	NZ
2417	22AA	C3FE1E		JP	MOFB
2418					
2419	22AD	01	CALTAB:	DB	CL
2420	22AE	00		DB	0
2421	22AF	01		DB	JMP3-\$-CL
2422	22B0	CD		DB	OCDH
2423					
2424	22B1	79	JMP3:	LD	A, C
2425	22B2	FE3B		CP	NO*16.TCR
2426	22B4	CA2A22		JP	Z, L62
2427	22B7	FE93		CP	CC*16.NO
2428	22B9	CO		RET	NZ
2429	22BA	78		LD	A, B
2430	22BB	E6C6		AND	OC6H
2431	22BD	B5		OR	L
2432	22BE	47		LD	B, A
2433	22BF	EB		EX	DE, HL
2434	22C0	C32A22		JP	L62
2435					
2436	22C3	FE01	PPH:	CP	RP
2437	22C5	200B		JR	NZ, PP2
2438	22C7	7D		LD	A, L
2439	22C8	FE06		CP	ISP
2440	22CA	CAE21E		JP	Z, E6
2441	22CD	CB9D		RES	3, L
2442	22CF	C3E71E		JP	MOFMIX
2443	22D2	FE02	PP2:	CP	XY
2444	22D4	CO		RET	NZ
2445	22D5	CBEB	PP21:	SET	5, B
2446	22D7	60		LD	H, B
2447	22D8	C3F71E		JP	MOFLH
2448					
2449	22DB	CDD61E	IMH:	CALL	LITLE
2450	22DE	2004		JR	NZ, IM2
2451	22E0	3E02		LD	A, 2
2452	22E2	95		SUB	L
2453	22E3	D8		RET	C
2454	22E4	11EC22	IM2:	LD	DE, IMTAB
2455	22E7	19		ADD	HL, DE
2456	22E8	46		LD	B, (HL)
2457	22E9	C31522		JP	L30
2458					
2459	22EC	46565E	IMTAB:	DB	46H, 56H, 5EH
2460					
2461	22EF	FE02	INCH:	CP	XY
2462	22F1	28E2		JR	Z, PP21
2463	22F3	FE01		CP	RP
2464	22F5	CAE71E		JP	Z, MOFMIX
2465	22F8	CB58		BIT	3, B
2466	22FA	0634		LD	B, 34H
2467	22FC	2801		JR	Z, INC2
2468	22FE	04		INC	B
2469	22FF	B7	INC2:	OR	A
2470	2300	205A		JR	NZ, ML2
2471	2302	78		LD	A, B
2472	2303	E6C7		AND	OC7H

2473 2305 47		LD	B, A
2474 2306 C3E71E		JP	MOFMIX
2475			
2476 2309 02	ADCTAB:	DB	AL
2477 230A 11		DB	RP*16.RP
2478 230B 00		DB	O
2479 230C 16		DB	DL1- S -AL
2480 230D B3		DB	DL5- S -AL.S
2481 230E 4ABE		DB	4AH, 8EH
2482			
2483 2310 02	SBCTAB:	DB	SBL
2484 2311 11		DB	RP*16.RP
2485 2312 00		DB	O
2486 2313 0F		DB	DL1- S -SBL
2487 2314 AC		DB	DL5- S -SBL.S
2488 2315 429E		DB	42H, 9EH
2489			
2490 2317 04	ADDTAB:	DB	ADL
2491 2318 11		DB	RP*16.RP
2492 2319 21		DB	XY*16.RP
2493 231A 22		DB	XY*16.XY
2494 231B 00		DB	O
2495 231C 07		DB	DL2- S -ADL
2496 231D 0D		DB	DL3- S -ADL
2497 231E 19		DB	DL4- S -ADL
2498 231F 9F		DB	DL5- S -ADL.S
2499 2320 09092986		DB	9, 9, 29H, 86H
2500			
2501 2324 CDF31E	DL1:	CALL	MOFPRE
2502 2327 7D	DL2:	LD	A, L
2503 2328 FE04		CP	IHL
2504 232A C0		RET	NZ
2505 232B C3E81E		JP	MOFMX2
2506			
2507 232E 7B	DL3:	LD	A, E
2508 232F FE04		CP	IHL
2509 2331 CAE21E		JP	Z, E6
2510 2334 7D		LD	A, L
2511 2335 CDFF1E		CALL	MOF
2512 2338 C3E81E		JP	MOFMX2
2513			
2514 233B 7B	DL4:	LD	A, E
2515 233C BD		CP	L
2516 233D 60		LD	H, B
2517 233E C0		RET	NZ
2518 233F C3F71E		JP	MOFLH
2519			
2520 2342 79	DL5:	LD	A, C
2521 2343 E6F0		AND	OFOH
2522 2345 C0		RET	NZ
2523 2346 CB53		BIT	2, E
2524 2348 CAE21E		JP	Z, E6
2525 234B 79		LD	A, C
2526 234C E60F		AND	OFH
2527			
2528 234E FE03	ML1:	CP	NO
2529 2350 200A		JR	NZ, ML2
2530 2352 CBFO		SET	6, B
2531 2354 CDDA1E	ML11:	CALL	LITLEZ
2532 2357 65	ML12:	LD	H, L

2533	2358	68		LD	L, B
2534	2359	C3F71E		JP	MOFLH
2535					
2536	235C	FE0A	ML2:	CP	XYD
2537	235E	2005		JR	NZ, ML3
2538	2360	CDFB1E		CALL	MOFH
2539	2363	18F2		JR	ML12
2540					
2541	2365	FE05	ML3:	CP	RPI
2542	2367	CAA622		JP	Z, JMP2
2543	236A	B7		OR	A
2544	236B	C0		RET	NZ
2545	236C	78		LD	A, B
2546	236D	E6F8		AND	OFBH
2547	236F	B5		OR	L
2548	2370	C3FF1E		JP	MOF
2549					
2550	2373	CDD61E	BITH:	CALL	LITLE
2551	2376	2004		JR	NZ, BIT2
2552	2378	3E07		LD	A, 7
2553	237A	95		SUB	L
2554	237B	D8		RET	C
2555	237C	7D	BIT2:	LD	A, L
2556	237D	07		RLCA	
2557	237E	07		RLCA	
2558	237F	07		RLCA	
2559	2380	B0		OR	B
2560	2381	47		LD	B, A
2561	2382	CD3F1F		CALL	PARSER
2562					
2563	2385	FE0A	SRH:	CP	XYD
2564	2387	200C		JR	NZ, SR2
2565	2389	E5		PUSH	HL
2566	238A	6C		LD	L, H
2567	238B	26CB		LD	H, OCBH
2568	238D	CDF71E		CALL	MOFLH
2569	2390	E1		POP	HL
2570	2391	60		LD	H, B
2571	2392	C3F71E		JP	MOFLH
2572					
2573	2395	F5	SR2:	PUSH	AF
2574	2396	3ECB		LD	A, OCBH
2575	2398	CDF71E		CALL	MOF
2576	239B	F1		POP	AF
2577	239C	18C7		JR	ML3
2578					
2579	239E	03	INTAB:	DB	INL
2580	239F	07		DB	TR#16.NOI
2581	23A0	04		DB	TR#16.RI
2582	23A1	00		DB	0
2583	23A2	8D		DB	IO1-#-INL.S
2584	23A3	93		DB	IO2-#-INL.S
2585	23A4	19		DB	IOER-#-INL
2586	23A5	DB4000		DB	ODBH, 40H, 0
2587					
2588	23A8	03	OUTAB:	DB	OL
2589	23A9	70		DB	NOI#16.TR
2590	23AA	40		DB	RI#16.TR
2591	23AB	00		DB	0
2592	23AC	03		DB	IO1-#-OL

2593	23AD	09		DB	I02-\$-0L	
2594	23AE	0F		DB	IOER-\$-0L	
2595	23AF	D34100		DB	OD3H,41H,0	
2596						
2597	23B2	CB53	I01:	BIT	Z,E	
2598	23B4	280A		JR	Z,IOER	
2599	23B6	C35423		JP	ML11	
2600	23B9	CD31E	I02:	CALL	MOFPRE	
2601	23BC	2D		DEC	L	
2602	23BD	CAEB1E		JP	Z,MOFMX2	
2603	23C0	C3E21E	IOER:	JP	E6	
2604						
2605	23C3	04	XTAB:	DB	XL	
2606	23C4	11		DB	RP*16.RP	
2607	23C5	51		DB	RPI*16.RP	
2608	23C6	52		DB	RPI*16.XY	
2609	23C7	00		DB	0	
2610	23C8	04		DB	X1-\$-XL	
2611	23C9	11		DB	X2-\$-XL	
2612	23CA	93		DB	X3-\$-XL.S	
2613	23CB	0D		DB	XER-\$-XL	
2614	23CC	EBE3E300		DB	OEBH,OE3H,OE3H,0	
2615						
2616	23D0	FE24	X1:	CP	IDE*16.IHL	
2617	23D2	CAFE1E		JP	Z,MOFB	
2618	23D5	0608		LD	B,8	
2619	23D7	FEEE		CP	IAF*16.IAF	
2620	23D9	CAFE1E		JP	Z,MOFB	
2621	23DC	1BE2	XER:	JR	IOER	
2622						
2623	23DE	C32122	X2:	JP	L5	
2624						
2625	23E1	C34A22	X3:	JP	L9	
2626						
2627	23E4	C31809	CCODES:	DB	'C'.S,ICY,CC	
2628	23E7	4EC31009		DB	'N','C'.S,INCY,CC	
2629	23EB	DA0809		DB	'Z'.S,IZ,CC	
2630	23EE	4EDA0009		DB	'N','Z'.S,INZ,CC	
2631	23F2	D03009		DB	'P'.S,IPOS,CC	
2632	23F5	CD3809		DB	'M'.S,IMIN,CC	
2633	23F8	50CF2009		DB	'P','O'.S,IPO,CC	
2634	23FC	50C52809		DB	'P','E'.S,IPE,CC	
2635	2400	D62809		DB	'V'.S,IPE,CC	I New
2636	2403	4ED62009		DB	'N','V'.S,IPO,CC	I New
2637						
2638	2407	48CC0401	REGS:	DB	'H','L'.S,IHL,RP	
2639	2408	44C50201		DB	'D','E'.S,IDE,RP	
2640	240F	42C30001		DB	'B','C'.S,IBC,RP	
2641	2413	41C60E01		DB	'A','F'.S,IAF,RP	
2642	2417	53D00601		DB	'S','P'.S,ISP,RP	
2643	241B	C10700		DB	'A'.S,IA,TR	
2644	241E	C20000		DB	'B'.S,IB,TR	
2645	2421	C30100		DB	'C'.S,IC,TR	
2646	2424	C40200		DB	'D'.S,ID,TR	
2647	2427	C50300		DB	'E'.S,IE,TR	
2648	242A	C80400		DB	'H'.S,IH,TR	
2649	242D	CC0500		DB	'L'.S,IL,TR	
2650	2430	C90008		DB	'I'.S,IINT,RE	
2651	2433	D20808		DB	'R'.S,IREF,RE	
2652	2436	49D9FD02		DB	'I','Y'.S,IY,XY	

2653	243A	49D8DD02		DB	'I','X'.S,IIX,XY
2654	243E	FF		DB	OFFH
2655					
2656	243F	CC	KEYTB:	DB	'L'.S
2657	2440	9424		DW	LOPS-1
2658	2442	C3		DB	'C'.S
2659	2443	AF24		DW	COPS-1
2660	2445	C4		DB	'D'.S
2661	2446	D224		DW	DOPS-1
2662	2448	C9		DB	'I'.S
2663	2449	EC24		DW	IOPS-1
2664	244B	D3		DB	'S'.S
2665	244C	0925		DW	SOPS-1
2666	244E	CF		DB	'O'.S
2667	244F	2625		DW	OOPS-1
2668	2451	C5		DB	'E'.S
2669	2452	4625		DW	EOPS-1
2670	2454	D2		DB	'R'.S
2671	2455	5925		DW	ROPS-1
2672	2457	FF		DB	OFFH
2673					
2674	245B	4AD0AA00		DB	'J','P'.S,42.S,0
2675	245C	4AD28C18		DB	'J','R'.S,12.S,18H
2676	2460	505553C8		DB	'PUS','H'.S,10,0C5
2676	2464	0AC5			
2677	2466	504FD00A		DB	'PO','P'.S,10,0C1H
2677	246A	C1			
2678	246B	4144C430		DB	'AD','D'.S,48,0
2678	246F	00			
2679	2470	4144C332		DB	'AD','C'.S,50,0
2679	2474	00			
2680	2475	4249D416		DB	'BI','T'.S,22,46H
2680	2479	46			
2681	247A	584FD212		DB	'XO','R'.S,18,0AEH
2681	247E	AE			
2682	247F	414EC412		DB	'AN','D'.S,18,0A6H
2682	2483	A6			
2683	2484	4E4FD000		DB	'NO','P'.S,0,0
2683	2488	00			
2684	2489	4E45C702		DB	'NE','G'.S,2,44H
2684	248D	44			
2685	248E	48414CD4		DB	'HAL','T'.S,0,76H
2685	2492	0076			
2686	2494	FF		DB	OFFH
2687					
2688	2495	C42600	LOPS:	DB	'D'.S,38,0
2689	2498	4F41C424		DB	'OA','D'.S,36,0
2689	249C	00			
2690	249D	44C902A0		DB	'D','I'.S,2,0A0H
2691	24A1	4449D202		DB	'DI','R'.S,2,0B0H
2691	24A5	B0			
2692	24A6	44C402AB		DB	'D','D'.S,2,0ABH
2693	24AA	4444D202		DB	'DD','R'.S,2,0BBH
2693	24AE	BB			
2694	24AF	FF		DB	OFFH
2695					
2696	24B0	414CCCB8	COPS:	DB	'AL','L'.S,40.S,0
2696	24B4	00			
2697	24B5	D012BE		DB	'P'.S,18,0BEH
2698	24B8	43C6003F		DB	'C','F'.S,0,3FH

2699 24BC 50CC002F		DB	'P', 'L'.S,0,2FH
2700 24C0 50C902A1		DB	'P', 'I'.S,2,0A1H
2701 24C4 5049D202		DB	'PI', 'R'.S,2,0B1H
2701 24C8 B1			
2702 24C9 50C402A9		DB	'P', 'D'.S,2,0A9H
2703 24CD 5044D202		DB	'PD', 'R'.S,2,0B9H
2703 24D1 B9			
2704 24D2 FF		DB	OFFH
2705			
2706 24D3 45C3100B DOPS:		DB	'E', 'C'.S,16,0BH
2707 24D7 4A4EDA0E		DB	'JN', 'Z'.S,14,10H
2707 24DB 10			
2708 24DC C21A00		DB	'B'.S,26,0
2709 24DF D71800		DB	'W'.S,24,0
2710 24E2 D31C00		DB	'S'.S,28,0
2711 24E5 41C10027		DB	'A', 'A'.S,0,27H
2712 24E9 C900F3		DB	'I'.S,0,0F3H
2713 24EC FF		DB	OFFH
2714			
2715 24ED 4EC31003 IOPS:		DB	'N', 'C'.S,16,3
2716 24F1 CD2200		DB	'M'.S,34,0
2717 24F4 CE2E00		DB	'N'.S,46,0
2718 24F7 4EC902A2		DB	'N', 'I'.S,2,0A2H
2719 24FB 4E49D202		DB	'NI', 'R'.S,2,0B2H
2719 24FF B2			
2720 2500 4EC402AA		DB	'N', 'D'.S,2,0AAH
2721 2504 4E44D202		DB	'ND', 'R'.S,2,0BAH
2721 2508 BA			
2722 2509 FF		DB	OFFH
2723			
2724 250A 42C33400 SOPS:		DB	'B', 'C'.S,52,0
2725 250E 43C60037		DB	'C', 'F'.S,0,37H
2726 2512 4CC11426		DB	'L', 'A'.S,20,26H
2727 2516 52C1142E		DB	'R', 'A'.S,20,2EH
2728 251A 52CC143E		DB	'R', 'L'.S,20,3EH
2729 251E 45D416C6		DB	'E', 'T'.S,22,0C6H
2730 2522 55C21296		DB	'U', 'B'.S,18,96H
2731 2526 FF		DB	OFFH
2732			
2733 2527 D212B6 OOPS:		DB	'R'.S,18,0B6H
2734 252A 52C72000		DB	'R', 'G'.S,32,0
2735 252E 55D43600		DB	'U', 'T'.S,34,0
2736 2532 5554C902		DB	'UT', 'I'.S,2,0A3H
2736 2536 A3			
2737 2537 5449D202		DB	'TI', 'R'.S,2,0B3H
2737 253B B3			
2738 253C 5554C402		DB	'UT', 'D'.S,2,0ABH
2738 2540 AB			
2739 2541 5444D202		DB	'TD', 'R'.S,2,0BBH
2739 2545 BB			
2740 2546 FF		DB	OFFH
2741			
2742 2547 D82C00 EOPS:		DB	'X'.S,44,0
2743 254A 58D800D9		DB	'X', 'X'.S,0,0D9H
2744 254E 51D51E00		DB	'G', 'U'.S,30,0
2745 2552 C900FB		DB	'I'.S,0,0FBH
2746 2555 4EC404FF		DB	'N', 'D'.S,4,0FFH
2747 2559 FF		DB	OFFH
2748			
2749 255A 45D488C0 ROPS:		DB	'E', 'T'.S,8,S,0COH

2750	255E	53D406C7		DB	'S', 'T'.S,6,0C7H
2751	2562	45D31686		DB	'E', 'S'.S,22,86H
2752	2566	CC1416		DB	'L'.S,20,16H
2753	2569	4CC31406		DB	'L', 'C'.S,20,6
2754	256D	4C43C100		DB	'LC', 'A'.S,0,7
2754	2571	07			
2755	2572	4CC10017		DB	'L', 'A'.S,0,17H
2756	2576	D2141E		DB	'R'.S,20,1EH
2757	2579	52C3140E		DB	'R', 'C'.S,20,0EH
2758	257D	5243C100		DB	'RC', 'A'.S,0,0FH
2758	2581	0F			
2759	2582	52C1001F		DB	'R', 'A'.S,0,1FH
2760	2586	4CC4026F		DB	'L', 'D'.S,2,6FH
2761	258A	52C40267		DB	'R', 'D'.S,2,67H
2762	258E	4554C902		DB	'ET', 'I'.S,2,4DH
2762	2592	4D			
2763	2593	4554CE02		DB	'ET', 'N'.S,2,45H
2763	2597	45			
2764					
2765	2598	FF	AEND:	DB	OFFH
2766	2599	FF		DB	OFFH
2767					
2768				END	

AL	0002 ADL	0004 ASMB	1C25 ADCTAB	2309
ADDTAB	2317 AEND	2598 BS	0008 BLANK	0020
BKPTADDR	139C BKPTCODE	139E BASE	148F BADNEWS	1613
BACKS	1776 BAK1	177A BREAK	19C4 BEEP	19D0
BYTESP	1BFF BYTE	1C04 BAD	1EA4 BITH	2373
BIT2	237C CR	000D CURSOR	1171 CONTROL	0DDC
COMWIDTH	1378 CURRENT	1388 CUROBJ	138E CODE	139F
COPY	171E COMTAB	18E4 CRLF	193C CUE	19E2
CALC	1AEO CONVERT	1821 CVO	1832 CV1	1836
CV2	1842 CV3	1854 CLEAR	187C CL	0001
CC	0009 CLASS	20AE CL1	2086 CL3	20BD
CL2	208E CL4	20CB CL41	20CD CL5	20E8
CL6	20F4 CLER	2102 CL7	2105 CL71	2107
CL72	211B CALTAB	22AD CCODES	23E4 COPS	24B0
DN	1497 DELAY	1861 DEL1	1864 DJH	212F
DJ1	2148 DJ2	214A DWH	214E DBH	2154
DBH1	2158 DBH3	2162 DBH4	2169 DSH	2171
DSH1	218A DL1	2324 DL2	2327 DL3	232E
DL4	233B DL5	2342 DOPS	24D3 ES	000D
ENTRY	1200 EDFP	138C EXIT	13D0 EO	14BD
ER	148F ENTER	14F5 E3	1617 EOF	191E
ERR	192C ERR2	1930 EXTERN	197B E10	1ADB
EVAL	1AF7 E1	1C84 E6	1EE2 E7	204A
E11	20C6 EQUH	2181 EG2	2187 ENDH	21BE
EOPS	2547 FF	000C F1	0000 F2	0001
F3	0002 F5	0003 F6	0004 F7	0005
F5IZE	1102 FSTART	1104 FEEXEC	1106 FLAGS	1372
FEP	1392 FINDFILE	158B FL2	15C3 FL3	15C6
FL4	15F5 FL5	15F7 FILL	172C FIL2	1737
FIELD	1E38 FD1	1E47 FD2	1E50 FD3	1E51
FD4	1E5E FD5	1E62 FD6	1E66 FD7	1E6C
FDB	1E74 FIND	205F FIN1	2065 FIN2	206C
GETCHAR	09B3 GETNAME	159F GTN2	15A3 GOTO	16D5
GOT2	16DB GOT3	1701 GETOPTION	1C89 GETOP1	1CAB
HBUFF	10F0 HOWBIG	1658 HOLD	1CBE IMAGE	13BA
INSERT	153C INPORT	18CC IN2	18D5 INL	0003
IBC	0000 IDE	0002 IHL	0004 IAF	000E
ISP	0006 IB	0000 IC	0001 ID	0002
IE	0003 IH	0004 IL	0005 IA	0007
IIX	00DD IY	00FD IREF	0008 INT	0000
ICY	0018 INCY	0010 IZ	0008 INZ	0000
IPO	0020 IPE	0028 IMIN	0038 IPOS	0030
IMH	22DB IM2	22E4 INTAB	22EC INCH	22EF
IM2	22FF INTAB	239E IO1	23B2 IO2	23B9
IR	23C0 IOPS	24ED JL	0003 JUMP	1D22
JP2	1D2B JP3	1D5C JPTAB	1D64 JRH	2121
JMPTAB	2298 JMP1	22A2 JMP2	22A6 JMP21	22A9
JMP3	22B1 KILL	147C KB2	19A3 KEYBOARD	19A6
KB3	19BE KB4	19C1 KEYTB	243F LHEAD	0027
LDATA	002A LCT	1384 LIMIT	1386 LBLP	1396
LOCATE	1444 LC1	1452 LC2	1462 LINE	14A6
LAST	14DA LINC	1C1B LL	0015 LIST	1D9C
LS1	1DB2 LS2	1DC5 LS3	1DD4 LS4	1DD7
LS5	1DF8 LS51	1E0B LS52	1E0C LS6	1E14
LS7	1E18 LS8	1E19 LS9	1E22 LITLE	1ED6
LITLE2	1EDA LOADH	2194 LDH2	219E LTAB	21C0
L1	2200 L2	2204 L21	220B L3	220E
L30	2215 L31	2218 L4	221B L5	2221
L6	2226 L61	2227 L62	222A L63	222D
L7	2230 LER	2235 L8	2238 L9	224A

LA	2251 LB	2259 LC	225E LE	2267
LE1	2275 LOPS	2495 M1	1206 M2	120B
M3	1210 M4	1219 M5	121E M6	1222
M7	1228 M8	1230 M12	1237 M20	1240
M14	1247 M13	124C M15	1253 M16	125A
M17	1262 M18	126C M21	1271 M22	1277
M23	127E M24	1284 M25	128A M27	1290
M28	1296 M29	129C M30	12B4 M96	12C7
M97	12D0 M98	12DB M99	12E3 MODIFY	173F
MOD1	1745 MOD2	1748 MOD3	174E MOD5	176E
MEMCHECK	188C MEMER	189A MEMTOP	18A2 MEM2	18AB
MEM3	18B9 MOFMIX	1EE7 MOFMX2	1EE8 MOFPRE	1EF3
MOFLH	1EF7 MOFH	1EFB MOFB	1EFE MOF	1EFF
MOF2	1F23 MOF5	1F2D MOFOUT	1F34 MOFO2	1F35
MATH	1FC0 MA2	1FC6 MA3	1FCD MA4	1FD8
MA5	1FE3 MA50	1FEA MA51	1FF0 MA52	1FF8
MA6	2002 MA61	200B MA62	2012 ML1	234E
ML11	2354 ML12	2357 ML2	235C ML3	2365
NORMAL	0BCE NEW	150E NEXT	18BB NX1	18C1
NYB	1C0D NO	0003 NOI	0007 OBJ	139A
OWRITE	1587 ONEPAIR	1801 OUTPORT	18C2 OUTPUT	1946
OL	0003 OPDSCH	1E80 OPTSCH	1E8E ORGH	21A0
OUTAB	23A8 OOPS	2527 PRINTER	018F PBUFF	12EC
PAGENO	1382 PC	1398 PRINT	14CC PAIR	1802
PR2	1937 PR3	1939 PAGE	1A15 PG2	1A23
PARAMETER	1AB6 PARAM1	1AB9 POSITION	18C9 POSO	18D7
POS1	18DB POS2	1BE7 PASS	1C37 PS1	1C3A
PS2	1C75 PARSER	1F3F PA1	1F4C PA2	1F5B
PA31	1F88 PA3	1F8C PA7	1F90 PER	1F9D
PA4	1FA0 PA5	1FA6 PA6	1FBE PPH	22C3
PP2	22D2 PP21	22D5 QUERY	1782 QU2	1788
QU3	1791 QU4	1797 QU5	17A4 QU7	17AB
REENTRY	1203 READ	1628 RSOURCE	1640 REMOVE	1A9A
RI	0004 RP	0001 RPI	0005 RE	0008
RESOLV	1EC7 R5TH	2281 RST2	2289 RETH	228E
REGS	2407 ROPS	255A SHEAD	0021 SDATA	0024
SCREEN	0FB1 SPECIAL	0BB9 SYMWIDTH	137A SOFP	138A
STK	1394 SORT	166D SRT2	1684 SCAN	168D
SCN1	1690 SCN2	1691 SCN3	169C SCN31	16BB
SCN4	16C0 SPACE	1944 STRING	19D6 STR1	19D8
STARTSTOP	1ACB SOF	1881 SBL	0002 SYMBOL	1CCE
SY2	1D1F SYMFIELD	1E37 SYMSCH	1E7B SEARCH	1EAC
SC2	1E82 SC3	1EB7 SBCTAB	2310 SRH	2385
SR2	2395 SOPS	250A TBUF1	130C TBUF	130E
TEMP	1390 TOP	1482 TARGET	1493 THIS	14E4
TAPEFILE	161C TRAP	1A4E TRAP2	1A92 TL	0010
TR	0000 TCR	000B TALPHA	0030 TLAB	0031
TOPD	0032 TCOM	0033 TIND	0034 TADD	0040
TSUB	00C0 TMLU	0080 TDIV	0081 TAND	0082
TOR	0083 TDEF	0035 TLIT	0036 TERM	2019
TE2	2021 TE3	202B TYPE	204F TYPTAB	207D
USTK	13A2 USP	13D1 UPC	13D4 UP	1470
USER	19E5 USO	19E9 US1	19EF US2	19FE
US4	1A10 UPDATE	1C18 VDATA	002D VECTOR	1038
VERIFY	1603 VID0	194C VID2	1954 VID3	195C
VID4	1962 VID5	1965 VID6	196D WRITE	1558
WORDSP	18FA XAMINE	17BB XAM1	17DA XAM11	17E2
XAM2	180E XAMW	182B XAMB	1846 XAMFLG	185E
XAMTAB	1866 XL	0004 XY	0002 XY1	0006
XYD	000A XTAB	23C3 X1	23D0 XER	23DC

PAGE 3

ZEN X MZ-700

X2 23DE X3
ZAP 14AF

23E1 ZEN

13D6 ZEN2

1440