

00010 ;*****	0046 0F	00670	RRCA
00020 ;* MALI RACUNAR "GALAKSIJA" *	0047 0F	00680	RRCA
00030 ;* VOJA ANTONIC *	0048 0F	00690	RRCA
00040 ;* 03.01.1984. *	0049 47	00700	LD B,A
00050 ;*****	004A B7	00710	OR A
00060	004B 2800	00720	Z, \$+2
00070	004D 2805	00730	Z, NIJE
00080	004F 35	00740	(HL)
1800 00090 XR EQU 1800H	0050 AF	00750	DEC
1600 00100 RAM EQU 1600H	0051 DB	00760	SPECI
28B6 00110 BUF EQU 13B6H+XR	0052 10FD	00770	RET
00008 00120 HOR EQU 11	0054 23	00780	DJNZ
0016 00130 HIRAM EQU RAM<-B&0FFH	0055 77	00790	SPECI
2BA8 00140 STACK EQU 13A8H+XR	0056 43	00800	INC
2C3A 00150 BASIC EQU 143AH+XR	0057 217F20	00810	HL
2C36 00160 BASPTR EQU BASIC-4	005A 4D	00820	207FH
2C38 00170 BASEND EQU BASIC-2	005B 3AA82B	00830	C,L
2AAC 00180 IXPOS EQU 12A8H+XR	005E 1F	00840	A, (STACK)
00190	005F 3800	00850	RRA
0000 F3 00200 DI ;	0061 3D	00860	C, RED
0001 97 00210 SUB A	0062 20FD	00870	DEC
0002 C3DA03 00220 JP Z18E	0064 1807	00880	NRZ, RED
0005 DF 00230 ZAREZ RST Z8 ; IF (DE)<>," GO "WHAT"	0066 F3	00890	OVER
0006 2C 00240 DEFB , ; ELSE RST Z807	0067 31A82B	00900	NMI (HARD BREAK)
0007 2C 00250 DEFB G08C9-\$-1	006A C31703	00910	SP, STACK
0008 CDB20A 00260 Z807 CALL Z24 ; PRETVORI SLEDECINI ASCII NIZ U	006D 0C	00920	Z1C9
000B C36D0A 00270 JP ZC0B ; INTEGER I SMESTI GA U HL	006E 79	00930	C
000E F3 00280 FAST DI ; FAST FLAG	006F E608	00940	A,C
000F C9 00290 RET	0071 0F	00950	AND
0010 7C 00300 Z32 LD A,H ; CP HL-DE Z & C FLAGS VALID	0072 0F	00960	8
0011 BA 00310 CP D	0073 0F	00970	RRCA
0012 C0 00320 RET NZ	0074 F628	00980	OR
0013 7D 00330 LD A,L	0076 ED47	00990	28H
0014 BB 00340 CP E	0078 13	01000	I,A
0015 C9 00350 RET	0079 110C08	01010	DE
0016 FB 00360 SLOW EI ; SLOW FLAG	007C 79	01020	DE, 80CH
0017 C9 00370 RET	007D 0F	01030	A,C
0018 E3 00380 Z8 EX (SP), HL ; IF ((SP))=(DE) THEN (SP)=(SP)+2	007E 0F	01040	RRCA
0019 CD0501 00390 CALL Z40 ; ELSE (SP)=((SP)+1)+(SP)+2	007F 0F	01050	RRCA
001C BE 00400 CP (HL)	0080 3F	01060	CCF
001D C39401 00410 JP Z98	0081 CB1A	01070	RR
0020 D9 00420 Z16 EXX ; PRINT CHAR IN A ON SCREEN	0083 F61F	01080	D
0021 FE20 00430 CP 20H	0085 07	01090	1FH
0023 CDB509 00440 CALL ZACB	0086 D640	01100	RLCA
0026 D9 00450 EXX	0088 0F	01110	SUB
0027 C9 00460 RET	0089 ED4F	01120	40H
0028 210000 00470 HL0 LD HL,0	01130	LD	R,A
002B C9 00480 RET	008B 72	01140	LINIJE
002C CCCC 00490 ZEB9 DEFW 0CCCCH ; RND CONST	008C 14	01150	LD (HL), D
002E CC7E 00500 DEFW 7ECCH	008D 14	01160	INC D
0030 F1 00510 Z48 POP AF ; GO NEXT INSTRUCTION	008E 14	01170	INC D
0031 CD1404 00520 CALL Z8B3	008F 14	01180	INC D
0034 C38F07 00530 G08C9 JP ZC9 ; VERZIJA 28	0090 AF	01190	XOR A
0037 1C 00540 NUMBER DEFB 28	0091 37	01200	SCF
00550	0092 1F	01210	RRA
0038 F5 00560 PUSH AF ; INT VIDEO	0093 1F	01220	RR
0039 C5 00570 PUSH BC	0094 AA	01230	D
003A D5 00580 PUSH DE	0095 57	01240	XOR D,A
003B E5 00590 PUSH HL	0096 61	01250	LD H,C
003C 21B02B 00600 LD HL,STACK+B	0097 78	01260	LD A,B
003F 3ED0 00610 LD A,0C0H	0098 42	01270	DEFM 'BREAK' ; OVAJ STRING JE TRANSPA
0041 96 00620 SUB (HL)	0099 52		
0042 96 00630 SUB (HL)	009A 45		
0043 96 00640 SUB (HL)	009B 41		
0044 5F 00650 LD E,A	009C 4B		
0045 7E 00660 LD A,(HL)	009D 00	01280	NOP

009E 47	01290	LD	B,A		00FF C1	01950	POP	BC
009F 4C	01300	LD	C,H		0100 F1	01960	POP	AF
00A0 0000	01310 ZEB5	DEFW	0		0101 FB	01970	EI	
00A2 80	01320	ADD	A,B		0102 ED4D	01980	RETI	
00A3 00	01330	NOP				01990		
00A4 AF	01340	XOR	A		0104 13	02000 NOV40	INC	DE
00A5 37	01350	SCF			0105 1A	02010 Z40	LD	A,(DE)
00A6 1F	01360	RRA			0106 FE20	02020	CP	20H
00A7 1F	01370	RRA			0108 28FA	02030	JR	Z,NOV40
00A8 1F	01380	RRA			010A C9	02040	RET	
00A9 67	01390	LD	H,A			02050		
00AA 17	01400	RLA			010B 02060	DIM	EQU	\$
00AB 77	01410	LD	(HL),A		010B 23	02070	INC	HL
00AC 05	01420	DEC	B		010C AF	02080	XOR	A
00AD 280F	01430	JR	Z,BLK		010D CDF30D	02090	CALL	HLX4
00AF ED5F	01440	LD	A,R		0110 22992A	02100	LD	(2A99H),HL
00B1 D627	01450	SUB	39		0113 F7	02110	RST	Z48
00B3 A5	01460	AND	L		0114 CF	02120	STRMAT	RST
00B4 ED4F	01470	LD	R,A		0115 23	02130	INC	HL
00B6 1D	01480	DEC	E		0116 AF	02140	XOR	A
00B7 C2B800	01490	JP	NZ,LINIJE	10	0117 CDF30D	02150	CALL	HLX4
00B8 3E03	01500	LD	A,3		011A D5	02160	PUSH	DE
00B9 18A3	01510	JR	RED		011B ED5B992A	02170	LD	DE,(2A99H)
00BE 36BC	01520	BLK	LD	(HL),0BCH	011F 13	02180	INC	DE
	01530				0120 D7	02190	RST	Z32
2A80	01540 BSTR	EQU	2A80H ; SAT		0121 3031	02200	JR	NC,SORRY2
00C0 3A822A	01550	LD	A,(BSTR+2)		0123 1821	02210	JR	Z51
00C3 FE3A	01560	CP	:		0125 CD0501	02220 Z56	CALL	Z40 ← LOCIRAJ VARIJABLJ
00C5 2034	01570	JR	NZ,NESAT		0128 D641	02230	SUB	41H
00C7 3AAF2B	01580	LD	A,(STACK+7)		012A D8	02240	RET	C
00CA 07	01590	RLCA			012B FE1A	02250	CP	1AH
00CB 302E	01600	JR	NC,NESAT		012D 3F	02260	CCF	
00CD 218A2A	01610	LD	HL,BSTR+10		012E D8	02270	RET	C
00D0 113039	01620	LD	DE,3930H		012F 13	02280	INC	DE
00D3 0608	01630	LD	B,8		0130 A7	02290	AND	A
00D5 7A	01640	LD	A,D		0131 2028	02300	JR	NZ,Z82
00D6 34	01650	INC	(HL)		0133 DF	02310	RST	Z8
00D7 34	01660	INC	(HL)		0134 28	02320	DEFB	28H
00D8 BE	01670	CP	(HL)		0135 27	02330	DEFB	Z81-\$-1
00D9 1804	01680	JR	OVER1		0136 CF	02340	RST	Z807
00DB 34	01690 X7	INC	(HL)		0137 23	02350	INC	HL
00DC BE	01700	CP	(HL)		0138 29	02360	ADD	HL,HL
00DD 3E35	01710	LD	A,35H		0139 29	02370	ADD	HL,HL
00DF 300A	01720 OVER1	JR	NC,NEOVF		013A D5	02380	PUSH	DE
00E1 73	01730	LD	(HL),E		013B 3817	02390	JR	C,SORRY2
00E2 2B	01740	DEC	HL		013D ED5B992A	02400	LD	DE,(2A99H)
00E3 CB40	01750	BIT	0,B		0141 19	02410	ADD	HL,DE
00E5 2802	01760	JR	Z,UZ		0142 D1	02420	POP	DE
00E7 2B	01770	DEC	HL		0143 D5	02430	PUSH	DE
00E8 7A	01780	LD	A,D		0144 380D	02440	JR	C,SORRY
00E9 10F0	01790 UZ	DJNZ	X7		0146 D1	02450 Z51	POP	DE
00EB 05	01800 NEOVF	DEC	B		0147 DF	02460	RST	Z8
00EC 100D	01810	DJNZ	NESAT		0148 29	02470	DEFB	29H
00EE 7E	01820	LD	A,(HL)		0149 09	02480	DEFB	SORRY-\$-1
00EF FE34	01830	CP	34H		014A D5	02490	PUSH	DE
00F1 3808	01840	JR	C,NESAT		014B EB	02500	EX	DE,HL
00F3 2B	01850	DEC	HL		014C CD8301	02510	CALL	X825
00F4 CB4E	01860	BIT	1,(HL)		014F D7	02520	RST	Z32
00F6 2803	01870	JR	Z,NESAT		0150 3036	02530	JR	NC,XB2A
00F8 73	01880	LD	(HL),E		0152 3E	02540	DEFB	3EH
00F9 23	01890	INC	HL		0153 D5	02550 SORRY	PUSH	DE ; SORRY ENTRY PT;
00FA 73	01900	LD	(HL),E		0154 CD9907	02560 SORRY2	CALL	Z8CD ; SORRY
00FB FDE9	01910 NESAT	JP	(IY)		0157 53	02570	DEFM	'SORRY'
	01920				0158 4F			
00FD E1	01930 LINK3	POP	HL		0159 52			
00FE D1	01940	POP	DE		015A 52			

CY = NEMA VAR.

015B 59					01BB CDC301	03230	CALL	ZCS
015C 0D	02580	DEFB	0DH		01BE CB40	03240	BIT	0,B
	02590				01C0 C8	03250	RET	Z
015D AF	02600 Z81	XOR	A		01C1 0D	03260	DEC	C
015E 262A	02610 Z82	LD	H,2AH		01C2 C9	03270	RET	
0160 17	02620	RLA			01C3 CD4F02	03280 ZCS	CALL	Z15E
0161 17	02630	RLA			01C6 C8	03290	RET	Z
0162 6F	02640	LD	L,A		01C7 D9	03300	EXX	
0163 AF	02650	XOR	A		01C8 62	03310	LD	H,D
0164 C9	02660	RET			01C9 6B	03320	LD	L,E
0165 CD7201	02670 HEXCIF	CALL	Z8C		01CA 08	03330	EX	AF,AF
0168 D0	02680	RET	NC		01CB 4F	03340	LD	C,A
0169 FE41	02690	CP	41H		01CC D9	03350	EXX	
016B D8	02700	RET	C		01CD CBF8	03360	SET	7,B
016C C609	02710	ADD	A,9		01CF F1	03370	POP	AF
016E FE50	02720	CP	50H		01D0 CB40	03380 ZD2	BIT	0,B
0170 1806	02730	JR	ASK4		01D2 C0	03390	RET	NZ
0172 1A	02740 Z8C	LD	A,(DE)		01D3 0C	03400	INC	C
0173 FE30	02750	CP	30H		01D4 C9	03410	RET	
0175 D8	02760	RET	C		01D5 DF	03420 ZD7	RST	Z8
0176 FE3A	02770	CP	3AH		01D6 2E	03430	DEFB	2EH
0178 3F	02780 ASK4	CCF			01D7 05	03440	DEFB	ZDF-\$-1
0179 D8	02790	RET	C		01DB CB40	03450	BIT	0,B
017A 13	02800	INC	DE		01DA CBC0	03460	SET	0,B
017B E60F	02810 SKRS	AND	0FH		01DC C8	03470	RET	Z
017D C9	02820	RET			01DD F1	03480 ZDF	POP	AF
	02830				01DE CB70	03490	BIT	6,B
017E 77	02840 STRSUB	LD	(HL),A		01E0 C8	03500	RET	Z
017F 23	02850 SKPASC	INC	HL		01E1 211800	03510	LD	HL,18H
0180 7D	02860	LD	A,L		01E4 C5	03520	PUSH	BC
0181 18FB	02870	JR	SKRS		01E5 D5	03530	PUSH	DE
	02880				01E6 D9	03540	EXX	
0183 D5	02890 X825	PUSH	DE		01E7 CD1409	03550	CALL	ZE10IX
0184 ED5B382C	02900	LD	DE,(BASEND)		01EA D1	03560	POP	DE
0188 2A6A2A	02910 X82A	LD	HL,(2A6AH)		01EB 01F301	03570	LD	BC,ZFB
0188 7D	02920	LD	A,L		01EE C5	03580	PUSH	BC
018C E6F0	02930	AND	0F0H		01EF D5	03590	PUSH	DE
018E 6F	02940	LD	L,A		01F0 C36D0B	03600	JP	ZD0F
018F ED52	02950	SBC	HL,DE		01F3 C1	03610 ZFB	POP	BC
0191 D1	02960	POP	DE		01F4 D5	03620	PUSH	DE
0192 AF	02970	XOR	A		01F5 DF	03630	RST	Z8
0193 C9	02980	RET			01F6 45	03640	DEFB	45H
	02990				01F7 1B	03650	DEFB	Z11C-\$-1
0194 23	03000 Z98	INC	HL		01F8 DF	03660	RST	Z8
0195 2B07	03010	JR	Z,ZA2		01F9 2B	03670	DEFB	2BH
0197 C5	03020	PUSH	BC		01FA 02	03680	DEFB	2
0198 4E	03030	LD	C,(HL)		01FB 1805	03690	JR	Z10A
0199 0600	03040	LD	B,0		01FD DF	03700	RST	Z8
019B 09	03050	ADD	HL,BC		01FE 2D	03710	DEFB	2DH
019C C1	03060	POP	BC		01FF 02	03720	DEFB	2
019D 1B	03070	DEC	DE		0200 CBC8	03730	SET	1,B
019E 13	03080 ZA2	INC	DE		0202 CD4A02	03740 Z10A	CALL	Z157
019F 23	03090	INC	HL		0205 CD7201	03750 Z10D	CALL	Z8C
01A0 E3	03100	EX	(SP),HL		0208 380D	03760	JR	C,Z120
01A1 C9	03110	RET			020A CBE8	03770	SET	5,B
01A2 CD4B02	03120 ZA6	CALL	Z155	← FP komercyja	020C CD4F02	03780	CALL	Z15E
01A5 0600	03130	LD	B,0		020F 2014	03790	JR	NZ,Z12E
01A7 48	03140	LD	C,B		0211 18F2	03800	JR	Z10D
01A8 CD0501	03150	CALL	Z40		0213 D1	03810 Z11C	POP	DE
01A8 CDB001	03160 ZAD	CALL	ZB2		0214 AF	03820	XOR	A
01A8 18FB	03170	JR	ZAD		0215 1B17	03830	JR	Z137
01B0 CD7201	03180 ZB2	CALL	Z8C		0217 CB68	03840 Z120	BIT	5,B
01B3 3B20	03190	JR	C,ZD7		0219 2BFB	03850	JR	Z,Z11C
01B5 CBF0	03200	SET	6,B		021B F1	03860	POP	AF
01B7 CB78	03210	BIT	7,B		021C D9	03870	EXX	
01B9 2015	03220	JR	NZ,ZD2		021D 79	03880	LD	A,C

021E B4	03890	OR	H
021F 7D	03900	LD	A,L
0220 D9	03910	EXX	
0221 2002	03920	JR	NZ,Z12E
0223 CB7F	03930	BIT	7,A
0225 C25A06	03940	Z12E	JP
0228 CB48	03950	BIT	1,B
022A 2802	03960	JR	Z,Z137
022C ED44	03970	NEG	
022E 81	03980	Z137	ADD
022F A7	03990	Z138	AND
0230 2813	04000	JR	Z,Z14E
0232 CB7F	04010	Z13B	BIT
0234 2807	04020	JR	Z,Z146
0236 3C	04030	INC	A
0237 F5	04040	PUSH	AF
0238 CDF40A	04050	CALL	ZC95
023B 1805	04060	JR	Z14B
023D 3D	04070	Z146	DEC
023E F5	04080	PUSH	AF
023F CDE30A	04090	CALL	ZCB4
0242 F1	04100	Z14B	POP
0243 18EA	04110	JR	Z13B
0245 CB70	04120	Z14E	BIT
0247 C9	04130	RET	
0248 CBB0	04140	Z155	RES
024A D9	04150	Z157	EXX
024B EF	04160	RST	HL0
024C 4D	04170	LD	C,L
024D D9	04180	EXX	
024E C9	04190	RET	
024F 08	04200	Z15E	EX
0250 D9	04210	EXX	AF,AF
0251 54	04220	LD	D,H
0252 5D	04230	LD	E,L
0253 79	04240	LD	A,C
0254 0600	04250	LD	B,0
0256 F5	04260	PUSH	AF
0257 29	04270	ADD	HL,HL
0258 CB11	04280	RL	C
025A CB10	04290	RL	B
025C 29	04300	ADD	HL,HL
025D CB11	04310	RL	C
025F CB10	04320	RL	B
0261 19	04330	ADD	HL,DE
0262 89	04340	ADC	A,C
0263 4F	04350	LD	C,A
0264 3E00	04360	LD	A,0
0266 88	04370	ADC	A,B
0267 47	04380	LD	B,A
0268 F1	04390	POP	AF
0269 D5	04400	PUSH	DE
026A 1600	04410	LD	D,0
026C 29	04420	ADD	HL,HL
026D CB11	04430	RL	C
026F CB10	04440	RL	B
0271 08	04450	EX	AF,AF
0272 5F	04460	LD	E,A
0273 19	04470	ADD	HL,DE
0274 7A	04480	LD	A,D
0275 89	04490	ADC	A,C
0276 4F	04500	LD	C,A
0277 7A	04510	LD	A,D
0278 88	04520	ADC	A,B
0279 47	04530	LD	B,A
027A D1	04540	POP	DE

027B D9	04550	EXX	
027C C9	04560	RET	
	04570		
	04580		
027D 5D	04590	BRISI	E,L
027E 54	04600	LD	D,H
027F 13	04610	ERASE	DE
0280 1A	04620	LD	A,(DE)
0281 1B	04630	DEC	DE
0282 12	04640	LD	(DE),A
0283 13	04650	INC	DE
0284 FE0D	04660	CP	0DH
0286 20F7	04670	JR	NZ,ERASE
0288 1825	04680	JR	OPET
028A 7D	04690	BKSP	A,L
028B FEB6	04700	CP	BUF&0FFH
028D 2820	04710	JR	Z,OPET
028F 2B	04720	DEC	HL
0290 181D	04730	JR	OPET
0292 7E	04740	ADV	A,(HL)
0293 FE0D	04750	CP	0DH
0295 2818	04760	JR	Z,OPET
0297 1851	04770	JR	INCOP
0299 CDD30C	04780	EDIT	BEC4
029C CDF207	04790	CALL	Z92A
029F DA5A06	04800	JP	C,Z1A2
02A2 3E0C	04810	LD	A,0CH
02A4 E7	04820	RST	Z16
02A5 21B62B	04830	LD	HL,BUF
02A8 22682A	04840	LD	(2A68H),HL
02AB CD3109	04850	CALL	ZA63
02AE D9	04860	EXX	
02AF 110028	04870	OPET	LD
02B2 ED53682A	04880	LD	(2A68H),DE
02B6 11B62B	04890	LD	DE,BUF
02B9 4E	04900	LD	C,(HL)
02BA 3600	04910	LD	(HL),0
02BC CD3709	04920	CALL	Z94F
02BF 3E5F	04930	LD	A,95
02C1 CDB607	04940	CALL	SPEC
02C4 CDF50C	04950	CALL	TASTAT
02C7 FE0D	04960	CP	0DH
02C9 2B71	04970	JR	Z,IZLAZ1
02CB B7	04980	OR	A
02CC 28AF	04990	JR	Z,BRISI
02CE FE1D	05000	CP	1DH
02D0 2BB8	05010	JR	Z,BKSP
02D2 FE1E	05020	CP	1EH
02D4 2BBC	05030	JR	Z,ADV
02D6 3BD7	05040	JR	C,OPET
02D8 47	05050	LD	B,A
02D9 E5	05060	PUSH	HL
02DA 21342C	05070	LD	HL,BASIC-6
02DD D7	05080	RST	Z32
02DE E1	05090	POP	HL
02DF 38CE	05100	JR	C,OPET
02E1 1B	05110	INSERT	DE
02E2 1A	05120	LD	A,(DE)
02E3 13	05130	INC	DE
02E4 12	05140	LD	(DE),A
02E5 1B	05150	DEC	DE
02E6 D7	05160	RST	Z32
02E7 20F8	05170	JR	NZ,INSERT
02E9 70	05180	LD	(HL),B
02EA 23	05190	INCOP	HL
02EB 1BC2	05200	JR	OPET

02ED 3A682A	05210		
	05220	IFNR	LD A,(2A68H)
02F0 E61F	05230	AND	31
02F2 3E0D	05240	LD	A,0DH
02F4 32B52B	05250	LD	(STACK+13),A
02F7 C8	05260	RET	Z
02F8 E7	05270	RST	Z16
02F9 C9	05280	RET	
	05290		
02FA 3A3320	05300	TESTB	LD A,(2033H)
02FD 0F	05310	RRCA	
02FE D8	05320	RET	C
02FF 3A3120	05330	IFBRK	LD A,(2031H)
0302 0F	05340	RRCA	
0303 38F5	05350	JR	C,TESTB
	05360		
0305 CDED02	05370	STOP	CALL IFNR
0308 119800	05380	LD	DE,BRK
030B CD3709	05390	CALL	Z94F
030E ED5B9F2A	05400	LD	DE,(2A9FH)
0312 7A	05410	LD	A,D
0313 B3	05420	OR	E
0314 C4ED0B	05430	CALL	NZ,X96D
	05440		
0317 FB	05450	Z1C9	EQU \$
	05460	EI	
0318 CDED02	05470	CALL	IFNR
031B 11070F	05480	LD	DE,Z1AE
031E CD3709	05490	CALL	Z94F
0321 EF	05500	Z1DB	RST HL0
0322 113130	05510	LD	DE,3031H
0325 31A72A	05520	LD	SP,2AA7H
0328 D5	05530	PUSH	DE
0329 E5	05540	PUSH	HL
032A E5	05550	PUSH	HL
032B E5	05560	PUSH	HL
032C 2A362C	05570	LD	HL,(BASPTR)
032F 23	05580	INC	HL
0330 23	05590	INC	HL
0331 E5	05600	PUSH	HL
0332 31A82B	05610	LD	SP,STACK
0335 DD21AC2A	05620	LD	IX,IXPOS
0339 CDBB07	05630	CALL	Z8FA
033C D5	05640	IZLAZ1	PUSH DE
033D 11B62B	05650	LD	DE,BUF
0340 CDD30C	05660	CALL	BEC4
0343 C1	05670	POP	BC
0344 CABCO3	05680	JP	Z,X340
0347 1B	05690	DEC	DE
0348 7C	05700	LD	A,H
0349 12	05710	LD	(DE),A
034A 1B	05720	DEC	DE
034B 7D	05730	LD	A,L
034C 12	05740	LD	(DE),A
034D C5	05750	PUSH	BC
034E D5	05760	Z1F9	PUSH DE
034F 79	05770	LD	A,C
0350 93	05780	SUB	E
0351 F5	05790	PUSH	AF
0352 CDF207	05800	CALL	Z92A
0355 D5	05810	PUSH	DE
0356 2010	05820	JR	NZ,Z213
0358 D5	05830	PUSH	DE
0359 CD110B	05840	CALL	Z945
035C C1	05850	POP	BC
035D 2A3B2C	05860	LD	HL,(BASEND)

BRK-RET PRESET

RESTORE

0360 CD4409	05870	CALL	ZA6F
0363 60	05880	LD	H,B
0364 69	05890	LD	L,C
0365 22382C	05900	LD	(BASEND),HL
0368 C1	05910	Z213	POP BC
0369 2A3B2C	05920	LD	HL,(BASEND)
036C F1	05930	POP	AF
036D E5	05940	PUSH	HL
036E FE03	05950	CP	3
0370 28AF	05960	JR	Z,Z1DB
0372 5F	05970	LD	E,A
0373 1600	05980	LD	D,0
0375 19	05990	ADD	HL,DE
0376 ED5B6A2A	06000	LD	DE,(406AH-RAM)
037A D7	06010	RST	Z32
037B D25301	06020	JP	NC,SORRY
037E 22382C	06030	LD	(BASEND),HL
0381 D1	06040	POP	DE
0382 CD4C09	06050	CALL	ZA77
0385 D1	06060	POP	DE
0386 E1	06070	POP	HL
0387 CD4409	06080	CALL	ZA6F
038A 1895	06090	JR	Z1DB
	06100		
	06110		
	06120		
038C 211703	06130	X340	LD HL,Z1C9
038F E5	06140	PUSH	HL
0390 2E0E	06150	LD	L,Z24B&0FFH
0392 01	06160	DEFB	1
0393 2E9B	06170	Z7ED	LD L,Z2EE&0FFH STAVI SLEDECÍ ZPRAZU (
0395 01	06180	DEFB	1
0396 2EEE	06190	IFCHR	LD L,ZACHR-1&0FFH
0398 260F	06200	Z343	LD H,0FH
039A CD0501	06210	X343	CALL Z40
039D D5	06220	PUSH	DE
039E 13	06230	INC	DE
039F 23	06240	INC	HL
03A0 BE	06250	CP	(HL)
03A1 2806	06260	JR	Z,Z351
03A3 CB7E	06270	BIT	7,(HL)
03A5 200C	06280	JR	NZ,Z35B
03A7 1811	06290	JR	Z362
03A9 1A	06300	Z351	LD A,(DE)
03AA 13	06310	INC	DE
03AB 23	06320	INC	HL
03AC BE	06330	CP	(HL)
03AD 28FA	06340	JR	Z,Z351
03AF CB7E	06350	BIT	7,(HL)
03B1 2803	06360	JR	Z,Z35E
03B3 1B	06370	Z35B	DEC DE
03B4 1812	06380	JR	Z370
03B6 FE2E	06390	Z35E	CP 2EH
03B8 2809	06400	JR	Z,Z36B
03BA 23	06410	Z362	INC HL
03BD CB7E	06420	BIT	7,(HL)
03BD 28FB	06430	JR	Z,Z362
03BF 23	06440	INC	HL
03C0 D1	06450	POP	DE
03C1 18D7	06460	JR	X343
03C3 23	06470	Z36B	INC HL
03C4 CB7E	06480	BIT	7,(HL)
03C6 28FB	06490	JR	Z,Z36B
03C8 7E	06500	Z370	LD A,(HL)
03C9 23	06510	INC	HL
03CA 6E	06520	LD	L,(HL)

03CB E67F	06530	AND	7FH
03CD 67	06540	LD	H,A
03CE F1	06550	POP	AF
03CF CB74	06560	BIT	6,H
03D1 CB44	06570	RES	6,H
03D3 E5	06580	PUSH	HL
03D4 C46A0A	06590	CALL	NZ,Z814
03D7 C3A92B	06600	JP	STACK+1 ; L I N K
03DA ED56	06610	Z1BE	IM 1
03DC FD21FD00	06620	LD	IY,LINK3
03E0 21FF27	06630	LD	HL,27FFH
03E3 75	06640	LD	(HL),L
03E4 45	06650	LD	B,L
03E5 23	06660	GOONCP	INC HL
03E6 70	06670	LD	(HL),B
03E7 34	06680	INC	(HL)
03E8 2003	06690	JR	NZ,GOTOVO
03EA B6	06700	OR	(HL)
03EB 28F8	06710	JR	Z,GOONCP
03ED 226A2A	06720	GOTOVO	LD (406AH-RAM),HL
03F0 31AD2B	06730	LD	SP,STACK+5
03F3 210BC9	06740	LD	HL,0C900H+HOR ; HOR POS I RET
03F6 E5	06750	PUSH	HL ; VIDEO LINK
03F7 3B	06760	DEC	SP
03F8 E5	06770	PUSH	HL ; HOR I LINK
03F9 3E0C	06780	LD	A,0CH
03FB E7	06790	RST	Z16
03FC CDD30C	06800	NEW	CALL BEC4 ; NEW (call 1000H)
03FF 113A2C	06810	LD	DE,BASIC
0402 19	06820	ADD	HL,DE
0403 313A2C	06830	LD	SP,BASIC
0406 E5	06840	PUSH	HL
0407 E5	06850	PUSH	HL
0408 C36700	06860	Z384	JP SP1C9
040B CDD30C	06870	Z38C	CALL BEC4 ; RUN
040E ED5B362C	06880	LD	DE,(BASPTR)
0412 180E	06890	JR	Z397
	06900		
	06910		
0414 32B52B	06920	Z8B3	LD (STACK+13),A
0417 DF	06930	RST	Z8
0418 3A	06940	DEFB	3AH
0419 03	06950	DEFB	AS3-\$-1
041A F1	06960	OVERPL	POP AF
041B 1810	06970	JR	Z3A2
041D DF	06980	AS3	RST Z8
041E 0D	06990	DEFB	0DH
041F 20	07000	DEFB	ASRET-\$-1
0420 F1	07010	POP	AF
0421 EF	07020	Z394	RST HL0
0422 CDF607	07030	Z397	CALL Z92D
0425 38E1	07040	JR	C,Z384
0427 ED539F2A	07050	Z39C	LD (409FH-RAM),DE
042B 13	07060	INC	DE
042C 13	07070	INC	DE
042D CDFF02	07080	Z3A2	CALL IFBRK
0430 DD21AC2A	07090	LD	IX,IXPOS
0434 2E2F	07100	LD	L,Z26C&0FFH
0436 C39803	07110	JP	Z343
	07120		
0439 CD8E06	07130	Z799	CALL Z7AD ← UPOREDI sljedeći izraz sa (ix)
043C CD100B	07140	CALL	ZCB1
043F EF	07150	RST	HL0
0440 C9	07160	ASRET	RET
	07170		
0441 CF	07180	Z5FB	RST Z807 ; IF

0442 7C	07190	LD	A,H
0443 B5	07200	OR	L
0444 20E7	07210	JR	NZ,Z3A2
0446 CD1C08	07220	CALL	X947
0449 30DC	07230	ASIF	JR NC,Z39C
044B 18BB	07240	JR	Z384
	07250		
044D EF	07260	Z5F6	RST HL0 ; #,! ,ELSE
044E CD1308	07270	CALL	Z947
0451 18F6	07280	JR	ASIF
	07290		
0453 CF	07300	Z3B5	RST Z807 ; GOTO
0454 D5	07310	X3BC	PUSH DE
0455 CDF207	07320	Z3BC	CALL Z92A
0458 C25B06	07330	JP	NZ,Z1A3
045B F1	07340	POP AF	
045C 18C9	07350	JR	Z39C
	07360		
045E CDD30C	07370	Z401	CALL BEC4 ; LIST
0461 CDED02	07380	LIST2	IFNR
0464 CDF207	07390	CALL	Z92A
0467 389F	07400	GOFARM	JR C,Z384
0469 CD3109	07410	LISTIT	CALL ZA63
046C CDF607	07420	CALL	Z92D
046F 38F6	07430	JR	C,GOFARM
0471 CDFF02	07440	LOOPL	CALL IFBRK
0474 3A3020	07450	LD	A,(2030H)
0477 213420	07460	LD	HL,2034H
047A A6	07470	AND	(HL)
047B 0F	07480	RRCA	
047C 30EB	07490	JR	NC,LISTIT
047E 18F1	07500	JR	LOOPL
	07510		
0480 DF	07520	Z42F	RST Z8 ; PRINT
0481 3A	07530	DEFB	
0482 05	07540	DEFB	Z443-\$-1
0483 3E0D	07550	LD	A,0DH
0485 E7	07560	RST	Z16
0486 18A5	07570	JR	Z3A2
0488 DF	07580	Z443	RST Z8
0489 0D	07590	DEFB	0DH
048A 46	07600	DEFB	Z44C-\$-1
048B E7	07610	RST	Z16
048C 1893	07620	ZA394	JR Z394
048E	07630	Z452	EQU \$
048E DF	07640	RST	Z8
048F 22	07650	DEFB	
0490 54	07660	DEFB	Z499-\$-1
0491 CD3809	07670	CALL	Z950
0494 20F6	07680	JR	NZ,ZA394
0496 1815	07690	JR	Z464
0498 2E5C	07700	Z459	LD L,92 ; X\$
049A 01	07710	DEFB	1 ; DUMMY LD BC, ; Y\$
049B 2E60	07720	Z45E	LD L,96 ;
049D 262A	07730	Z460	LD H,2AH
049F CD0E06	07740	CALL	Z6A4
04A2 7E	07750	Z461	LD A,(HL) ;
04A3 23	07760	INC	HL
04A4 B7	07770	OR	A
04A5 2B06	07780	JR	Z,Z464
04A7 E7	07790	RST	Z16
04A8 7D	07800	LD	A,L
04A9 E60F	07810	AND	0FH
04AB 20F5	07820	JR	NZ,Z461
04AD DF	07830	Z464	RST Z8
04AE 2C	07840	DEFB	2CH

04AF 1B 07850 DEF B Z4BD-\$-1
 04E0 3A682A 07860 Z467 LD A, (2A68H)
 04E3 E607 07870 AND 07H
 04E5 2817 07880 JR Z, Z490
 04B7 3E20 07890 ZAREZ2 LD A, 20H
 04E9 E7 07900 RST Z16
 04B4 18F4 07910 JR Z467
 04C0 CF 07920 Z473 RST Z807 ; AT
 04BD 7C 07930 LD A, H
 04BE F628 07940 OR 28H
 04C0 E629 07950 AND 29H
 04C2 67 07960 LD H, A
 04C3 22682A 07970 LD (2A68H), HL
 04C6 DF 07980 RST Z8
 04C7 2C 07990 DEFB 2CH
 04C8 02 08000 DEFB 2
 04C9 1803 08010 JR Z490
 04CB DF 08020 Z48D RST Z8
 04CC 3B 08030 DEFB 3BH
 04CD 13 08040 DEFB 2495-\$-1
 04CE CD1404 08050 Z490 CALL Z8B3 417H
 04D1 2EE0 08060 Z44C LD L, Z319&0FFH
 04D3 C39803 08070 JP Z343
 04D6 CDD30C 08080 HOME CALL BEC4
 04D9 226C2A 08090 LD (2A6CH), HL
 04DC 2006 08100 JR NZ, SKRSC
 04DE 3E0C 08110 Z4B5 LD A, 0CH ; HOME
 04E0 01 08120 DEFB 1 ; DUMMY LD BC,
 04E1 3E0D 08130 Z495 LD A, 0DH
 04E3 E7 08140 RST Z16
 04E4 F7 08150 SKRSC RST Z48
 04E5 CD9603 08160 Z499 CALL IFCHR
 04E8 2007 08170 JR NZ, DACHR
 04EA CDB20A 08180 CALL Z24
 04ED CDF608 08190 CALL Z970
 04F0 3E 08200 DEFB 3EH ; DUMMY LD A,
 04F1 E7 08210 DACHR RST Z16
 04F2 18B9 08220 JR Z464
 04F4 CD7409 08230 Z4C4 CALL ZA9F ; CALL
 04F7 CF 08240 RST Z807
 04F8 D5 08250 Z4CA PUSH DE
 04F9 CDF207 08260 CALL Z92A
 04FC C25E06 08270 JP NZ, Z1A3
 04FF 2A9F2A 08280 LD HL, (409FH-RAM)
 0502 E5 08290 PUSH HL
 0503 2AA32A 08300 LD HL, (40A3H-RAM)
 0506 E5 08310 PUSH HL
 0507 EF 08320 RST HL0
 0508 22A12A 08330 LD (40A1H-RAM), HL
 0508 37 08340 ADD HL, SP
 050C 22A32A 08350 LD (40A3H-RAM), HL
 050F C32704 08360 JP Z39C
 0512 08370 Z4E6 EQU \$; RETURN
 0512 2AA32A 08380 LD HL, (40A3H-RAM)
 0515 7C 08390 LD A, H
 0516 B5 08400 OR L
 0517 CA5A06 08410 JP Z, Z1A2
 051A F9 08420 LD SP, HL
 051B E1 08430 POP HL
 051C 22A32A 08440 LD (40A3H-RAM), HL
 051F E1 08450 POP HL
 0520 229F2A 08460 LD (409FH-RAM), HL
 0523 D1 08470 POP DE
 0524 CD5909 08480 Z5F2 CALL ZAB4
 0527 F7 08490 RST Z4B
 08500

0528 CF 08510 Z560 RST Z807 ; STEP
 0529 01 08520 DEFB 1 ; DUMMY LD BC,
 052A EF 08530 Z565 RST HL0 ; NO STEP
 052B 23 08540 INC HL
 052C 22912A 08550 Z568 LD (4091H-RAM), HL
 052F 2A9F2A 08560 LD HL, (409FH-RAM)
 0532 22932A 08570 LD (4093H-RAM), HL
 0535 EB 08580 EX DE, HL
 0536 22952A 08590 LD (4095H-RAM), HL
 0539 010A00 08600 LD BC, 0AH
 053C 2AA12A 08610 LD HL, (40A1H-RAM)
 053F EB 08620 EX DE, HL
 0540 EF 08630 RST HL0
 0541 39 08640 ADD HL, SP
 0542 3E 08650 DEFB 3EH ; DUMMY LD A,
 0543 09 08660 Z580 ADD HL, BC
 0544 7E 08670 LD A, (HL)
 0545 23 08680 INC HL
 0546 B6 08690 OR (HL)
 0547 2816 08700 JR Z, Z59E
 0549 7E 08710 LD A, (HL)
 054A 2B 08720 DEC HL
 054B BA 08730 CP D
 054C 20F5 08740 JR NZ, Z580
 054E 7E 08750 LD A, (HL)
 054F BB 08760 CP E
 0550 20F1 08770 JR NZ, Z580
 0552 EB 08780 EX DE, HL
 0553 EF 08790 RST HL0
 0554 39 08800 ADD HL, SP
 0555 44 08810 LD B, H
 0556 4D 08820 LD C, L
 0557 210A00 08830 LD HL, 0AH
 0558 CD4C09 08840 ADD HL, DE
 0559 19 08850 CALL ZA77
 055E F9 08860 LD SP, HL
 055F 2A952A 08870 Z59E LD HL, (4095H-RAM)
 0562 EB 08880 EX DE, HL
 0563 F7 08890 RST Z48
 0564 CD8807 08900 Z5A3 CALL IF56 ; NEXT
 0567 229B2A 08910 LD (409BH-RAM), HL
 056A D5 08920 Z5AA PUSH DE
 056B EB 08930 EX DE, HL
 056C 2AA12A 08940 LD HL, (40A1H-RAM)
 056F 7C 08950 LD A, H
 0570 B5 08960 OR L
 0571 CA5B06 08970 JP Z, Z1A3
 0574 D7 08980 RST Z32
 0575 2809 08990 JR Z, Z5C0
 0577 D1 09000 POP DE
 0578 CD5909 09010 CALL ZAB4
 0578 2A9B2A 09020 LD HL, (409BH-RAM)
 057E 18EA 09030 JR Z5AA
 0580 CD450A 09040 Z5C0 CALL ZBC3
 0583 CD600A 09050 CALL ZC0B
 0586 EB 09060 EX DE, HL
 0587 2A912A 09070 LD HL, (4091H-RAM)
 058A E5 09080 PUSH HL
 058B 19 09090 ADD HL, DE
 058C E5 09100 PUSH HL
 058D CDBCOA 09110 CALL ZC59
 0590 2AA12A 09120 LD HL, (40A1H-RAM)
 0593 CD3B07 09130 CALL ZBE9
 0596 D1 09140 POP DE
 0597 2A6E2A 09150 LD HL, (406EH-RAM)
 059A F1 09160 POP AF

059B 07	09170	RLCA			0606 1A	09830	LD	A,(DE)	
059C 3001	09180	JR	NC,Z5E0		0607 FE24	09840	CP	24H	
059E EB	09190	EX	DE,HL		0609 2802	09850	JR	Z,Z6A3	
059F 7C	09200	Z5E0	LD	A,H	060B AF	09860	XOR	A	
05A0 AA	09210	XOR	D		060C C9	09870	RET		
05A1 F2A505	09220	JP	P,Z5E6		060D 13	09880	Z6A3	INC	DE
05A4 EB	09230	EX	DE,HL		060E 7D	09890	Z6A4	LD	A,L
05A5 D7	09240	Z5E6	RST	Z32	060F D65C	09900	SUB	92	
05A6 D1	09250	POP	DE		0611 200A	09910	JR	NZ,BS	
05A7 DA2405	09260	JP	C,Z5F2		0613 2E70	09920	LD	L,70H	
05AA 2A932A	09270	LD	HL,(4093H-RAM)		0615 DF	09930	RST	Z8	
05AD 229F2A	09280	LD	(409FH-RAM),HL		0616 28	09940	DEFB	' '	
05B0 18AD	09290	JR	Z59E		0617 03	09950	DEFB	3	
	09300				0618 CD1401	09960	CALL	STRMAT	
05B2 CA3607	09310	Z654	JP	Z,Z8AE	061B B4	09970	OR	H	
05B5 E5	09320	AGN	PUSH	HL ; PRIMA STRING	061C C9	09980	RET		
05B6 CDFC05	09330	CALL	Z694		061D FE07	09990	BS	CP 7	
05B9 380F	09340	JR	C,NES		061F D28F07	10000	JP	NC,Z8C9 ; WHAT?	
05B8 2825	09350	JR	Z,CM		0622 2E80	10010	LD	L,80H	
05BD E3	09360	EX	(SP),HL		0624 B4	10020	OR	H	
05BE C1	09370	POP	BC		0625 C9	10030	RET		
05BF 0A	09380	TRANS	LD	A,(BC)		10040			
05C0 B7	09390	OR	A		0626 CDFC05	10050	TAKE	CALL Z694	
05C1 282A	09400	JR	Z,NULE2		0629 3838	10060	JR	C,CIFRE	
05C3 03	09410	INC	BC		062B D5	10070	PUSH	DE	
05C4 CD7E01	09420	CALL	STRSUB		062C F5	10080	PUSH	AF	
05C7 20F6	09430	JR	NZ,TRANS		062D E5	10090	PUSH	HL	
05C9 C9	09440	RET			062E ED5B9D2A	10100	LD	DE,(2A9DH)	
05CA E1	09450	NES	POP	HL	0632 2A3B2C	10110	LD	HL,(BASEND)	
05CB DF	09460	RST	Z8		0635 DF	10120	SRCHT	RST Z8	
05CC 22	09470	DEFB	''		0636 23	10130	DEFB	'#'	
05CD 00	09480	DEFB	0		0637 02	10140	DEFB	NETAR1-\$-1	
05CE CDD905	09490	NENAV	CALL	X68A	0638 1803	10150	JR	FOUNDT	
05D1 281A	09500	JR	Z,NULE2		063A DF	10160	NETAR1	RST Z8	
05D3 13	09510	INC	DE		063B 2C	10170	DEFB	,	
05D4 CD7E01	09520	CALL	STRSUB		063C 0F	10180	DEFB	NETAR-\$-1	
05D7 20F5	09530	JR	NZ,NENAV		063D E1	10190	FOUNDT	POP HL	
05D9 1A	09540	X68A	LD	A,(DE)	063E F1	10200	POP	AF	
05DA FE0D	09550	CP	0DH ; CR		063F CDB205	10210	CALL	Z654	
05DC C8	09560	RET	Z		0642 ED539D2A	10220	SKRT	LD (2A9DH),DE	
05DD FE22	09570	CP	22H ; "		0644 D1	10230	POP	DE	
05DF C0	09580	RET	NZ		0647 DF	10240	RST	Z8	
05E0 13	09590	INC	DE		0648 2C	10250	DEFB	,	
05E1 C9	09600	RET			0649 43	10260	DEFB	SEE4B-\$-1	
05E2 1B	09610	CM	DEC	DE	064A 18DA	10270	JR	TAKE	
05E3 CD9603	09620	CALL	IFCHR		064C 1A	10280	NETAR	LD A,(DE)	
05E6 28E2	09630	JR	Z,NES		064D 13	10290	INC	DE	
05E8 E1	09640	CH	POP	HL	064E FE0D	10300	CP	0DH	
05E9 CD7E01	09650	CALL	STRSUB		0650 20FA	10310	JR	NZ,NETAR	
05EC C8	09660	RET	Z		0652 13	10320	INC	DE	
05ED DF	09670	NULE2	RST	Z8	0653 13	10330	INC	DE	
05EE 2B	09680	DEFB	'+'		0654 D7	10340	RST	Z32	
05EF 02	09690	DEFB	NULE-\$-1		0655 30DE	10350	JR	NC,SRCHT	
05F0 18C3	09700	JR	AGN		0657 E1	10360	POP	HL	
05F2 3600	09710	NULE	LD	(HL),0	0658 F1	10370	Z745	POP AF	
05F4 CD7F01	09720	ASC0	CALL	SKRASC	0659 0E	10380	DEFB	0EH ; DUMMY LD C,	
05F7 C8	09730	RET	Z		065A D5	10390	Z1A2	PUSH DE ; HOW? ENTRY PT	
05F8 3630	09740	LD	(HL),30H		065B CD9907	10400	Z1A3	CALL Z8CD	
05FA 18FB	09750	JR	ASC0		065E 4B	10410	DEFM	'HOW?'	
05FC CD2501	09760	Z694	CALL	Z56	065F 4F				
05FF D8	09770	RET	C	CY=NEMA VAR.	0660 57				
0600 1B	09780	DEC	DE		0661 3F				
0601 1A	09790	LD	A,(DE)	Ax0 Z = NUMERICKA	0662 0D	10420	DEFB	0DH	
0602 13	09800	INC	DE		0663 CF	10430			
0603 FE29	09810	CP	29H	A>0 NZ = STRING	0664 D5	10440	CIFRE	Z807	
0605 C8	09820	RET	Z		0665 05	10450	PUSH	DE	

LOCIRAJ VARIJABLJU

CY=NEMA VAR.
Ax0 Z = NUMERICKA
A>0 NZ = STRING

0665 CDF207	10460	CALL	Z92A		06CC 3E01	11120	Z838	LD	A,1	;	UNDOT
0668 13	10470	INC	DE		06CE 01	11130		DEFB	1	;	DUMMY LD BC,
0669 13	10480	INC	DE		06CF 3E80	11140	Z83C	LD	A,80H	;	DOT
066A 18D6	10490	JR	SKRT		06D1 F5	11150		PUSH	AF		
	10500				06D2 DF	11160		RST	Z8		
	10510				06D3 2A	11170		DEFB	**		
066C D5	10520	Z623	EQU	\$ INPUT	06D4 05	11180		DEFB	NOCLK-\$-1		
066D 3E3F	10530	PUSH	DE		06D5 F1	11190		POP	AF		
066F CDBD07	10540	LD	A,3FH		06D6 32AF2B	11200		LD	(STACK+7),A		
0672 11B62B	10550	CALL	Z8FC		06D9 F7	11210		RST	Z48		
0675 DF	10560	LD	DE,BUF		06DA F1	11220	NOCLK	POP	AF		
0676 0D	10570	RST	Z8		06DB 06	11230		DEFB	6	;	DUMMY LD B,
0677 05	10580	DEFB	0DH		06DC AF	11240	Z840	XOR	A	;	IF DOT
0678 D1	10590	DEFB	INPOK-\$-1		06DD A7	11250		AND	A		
0679 CDFC05	10600	POP	DE		06DE F5	11260		PUSH	AF		
067C F7	10610	CALL	Z694		06DF CF	11270		RST	Z807		
067D D1	10620	RST	Z48		06E0 E5	11280		PUSH	HL		
067E D5	10630	INPOK	POP	DE	06E1 CD0500	11290		CALL	ZAREZ		
067F CDFC05	10640	PUSH	DE		06E4 D5	11300		PUSH	DE		
0682 38D7	10650	Z6D4	CALL	Z694	06E5 EB	11310	CONTXY	EX	DE,HL		
0684 D5	10660	JR	C,Z1A3		06E6 012000	11320		LD	BC,20H		
0685 11B62B	10670	PUSH	DE		06E9 1C	11330		INC	E		
0688 CDB205	10680	LD	DE,BUF		06EA 210028	11340		LD	HL,2800H		
068B D1	10690	CALL	Z654		06ED 1603	11350	GOY	LD	D,3		
068C F1	10700	POP	DE		06EF 3E01	11360		LD	A,1		
068D F7	10710	POP	AF		06F1 1D	11370	Y3	DEC	E		
	10720	SEE48	RST	Z48	06F2 280A	11380		JR	Z,6GOTY		
	10730				06F4 07	11390		RLCA			
	10740				06F5 07	11400		RLCA			
	10750				06F6 15	11410		DEC	D		
068E DF	10760	Z7AD	RST	Z8	06F7 20F8	11420		JR	NZ,Y3		
068F 2D	10770	DEFB	2DH		06F9 09	11430		ADD	HL,BC		
0690 06	10780	DEFB	Z7BB-\$-1		06FA CBBC	11440		RES	1,H		
0691 EF	10790	RST	HL0		06FC 18EF	11450		JR	GOY		
0692 CDBC0A	10800	CALL	ZC59	(IX) ← HL	06FE 47	11460	GOTY	LD	B,A		
0695 1814	10810	JR	Z7CC		06FF D1	11470		POP	DE		
0697 DF	10820	Z7BB	RST	Z8 ←	0700 E3	11480		EX	(SP),HL		
0698 2B	10830	DEFB	2BH	+	0701 CBBB	11490		RES	7,L		
0699 00	10840	DEFB	0		0703 CBB5	11500		RES	6,L		
069A CDB306	10850	CALL	Z7D4		0705 CB3D	11510		SRL	L		
069D DF	10860	Z7BE	RST	Z8 ←	0707 3001	11520		JR	NC,PARNI		
069E 2B	10870	DEFB	2BH	+	0709 07	11530		RLCA			
069F 08	10880	DEFB	Z7C9-\$-1		070A 2600	11540	PARNI	LD	H,0		
06A0 CDB306	10890	CALL	Z7D4		070C C1	11550		POP	BC		
06A3 CD320B	10900	CALL	ZCD3		070D 09	11560		ADD	HL,BC		
06A6 18F5	10910	JR	Z7BE		070E 47	11570		LD	B,A		
06A8 DF	10920	Z7C9	RST	Z8	070F F1	11580		POP	AF		
06A9 2D	10930	DEFB	2DH	—	0710 7B	11590		LD	A,B		
06AA DF	10940	DEFB	Z803-\$-1		0711 200C	11600		JR	NZ,SETRES		
06AB CDB306	10950	Z7CC	CALL	Z7D4 ← (REDU IN) *	0713 CB7E	11610		BIT	7,(HL)		
06AE CD1E0B	10960	CALL	ZCBF	FP	0715 2801	11620		JR	Z,NISTA		
06B1 18EA	10970	JR	Z7BE		0717 A6	11630		AND	(HL)		
06B3 CD9303	10980	Z7D4	CALL	Z7ED (STAVI IZRAS u (IX))	0718 EF	11640	NISTA	RST	HL0		
06B6 DF	10990	Z7D7	RST	Z8 ←	0719 2801	11650		JR	Z,OSTAO		
06B7 2A	11000	DEFB	2AH	*	071B 23	11660		INC	HL		
06B8 08	11010	DEFB	Z7E2-\$-1		071C C3BC0A	11670	OSTAO	JP	ZC59		
06B9 CD9303	11020	CALL	Z7ED		071F F5	11680	SETRES	PUSH	AF		
06C0 CDE60A	11030	* @ CALL	ZC87		0720 CB7E	11690		BIT	7,(HL)		
06BF 18F5	11040	JR	Z7D7		0722 2002	11700		JR	NZ,SR		
06C1 DF	11050	Z7E2	RST	Z8	0724 3680	11710		LD	(HL),80H		
06C2 2F	11060	DEFB	2FH		0726 F1	11720	SR	POP	AF		
06C3 C6	11070	DEFB	Z803-\$-1		0727 FA2D07	11730		JP	M,SETXY		
06C4 CD9303	11080	CALL	Z7ED		072A 2F	11740		CPL			
06C7 CDF70A	11090	CALL	ZC98		072B A6	11750		AND	(HL)		
06CA 18EA	11100	JR	Z7D7		072C 06	11760		DEFB	6	;	LD B,
	11110				072D B6	11770	SETXY	OR	(HL)		

072E 77	11780	LD	(HL),A
072F F7	11790	RST	Z48
	11800		
	11810		
0730 CDB07	11820	ZB8B	CALL IF56
0733 DF	11830	RST	Z8
0734 3D	11840	DEFB	3DH
0735 59	11850	DEFB	ZBC9-\$-1
0736 E5	11860	ZBAE	PUSH HL ← smesti sledeći 1URAZ u (HL)
0737 CDB20A	11870	CALL	Z24
073A E1	11880	ZBEB	POP HL
073B C00E09	11890	ZBE9	CALL IXFFFF ← smesti (IX) u (HL)
073E 010400	11900	LD	BC,4
0741 D5	11910	PUSH	DE
0742 E5	11920	PUSH	HL
0743 EB	11930	EX	DE,HL
0744 DDES	11940	PUSH	IX
0746 E1	11950	POP	HL
0747 EDB0	11960	LDIR	
0749 EB	11970	EX	DE,HL
074A 2B	11980	DEC	HL
074B 2B	11990	DEC	HL
074C CB16	12000	RL	(HL)
074E 23	12010	INC	HL
074F DD7E04	12020	LD	A,(IX+4)
0752 17	12030	RLA	
0753 CB1E	12040	RR	(HL)
0755 2B	12050	DEC	HL
0756 CB1E	12060	RR	(HL)
0758 E1	12070	POP	HL
0759 D1	12080	POP	DE
075A C9	12090	RET	
	12100		
075B	12110	ZB63	EQU \$ ← zadnja Šansa : KAO LET
075B CDFC05	12120	CALL	Z694 LOCIRAJ VARIJABLJU
075E 3808	12130	JR	C,GOTO48
0760 F5	12140	PUSH	AF
0761 DF	12150	RST	Z8
0762 3D	12160	DEFB	3DH =
0763 2B	12170	DEFB	ZBC9-\$-1
0764 F1	12180	POP	AF
0765 CDB205	12190	CALL	Z654 PRENESI sledeći 1URAZ u (HL)
0768 F7	12200	GOTO48	RST Z48 ← NORMALIZOVANO
	12210		
0769 62	12220	PTR	LD H,D
076A 6B	12230	LD	L,E
076B CDFC05	12240	CALL	Z694
076E 18AC	12250	JR	OSTAO
	12260		
0770 D5	12270	VAL	PUSH DE
0771 EB	12280	EX	DE,HL
0772 CDB20A	12290	CALL	Z24
0775 D1	12300	POP	DE
0776 C9	12310	RET	
	12320		
0777 CD2501	12330	Z7F2	CALL Z56 ← ako nista ne prepozna
077A D2450A	12340	JP	NC,ZBC3 NJE BProj
077D CDA201	12350	CALL	ZA6 FP konverzija
0780 C0	12360	RET	NZ
0781 DF	12370	Z7FC	RST Z8
0782 28	12380	DEFB	Z8H
0783 0B	12390	DEFB	ZBC9-\$-1 WHAT
0784 CDB20A	12400	CALL	Z24
0787 DF	12410	RST	Z8
0788 29	12420	DEFB	29H
0789 01	12430	DEFB	1

078A C9	12440	ZB03	RET
	12450		
	12460		
078B CD2501	12470	IF56	CALL 256
078E D0	12480	RET	NC AKONIje BProj
078F D5	12490	ZBC9	DE, ; WHAT? ENTRY PT
0790 CD9907	12500	ZB8A	ZBCD
0793 57	12510		'WHAT?'
0794 48			
0795 41			
0796 54			
0797 3F			
0798 0D	12520	DEFB	0DH
0799 D1	12530	ZBCD	DE
079A CD3709	12540	CALL	Z94F
079D ED5B9F2A	12550	LD	DE, (409FH-RAM)
07A1 7B	12560	LD	A,E
07A2 B2	12570	OR	D
07A3	12580	AS1C9	\$
07A3 211703	12590	LD	HL,Z1C9
07A6 E5	12600	EX	(SP),HL
07A7 CB	12610	RET	Z
07A8 D7	12620	RST	Z32
07A9 DB	12630	RET	C
07AB CS	12640	LD	C,(HL)
07AC 3E00	12650	PUSH	BC
07AE E5	12660	LD	(HL),0
07AF CD3109	12680	CALL	ZA63
07B2 E1	12690	POP	HL
07B3 C1	12700	POP	BC
07B4 3E3F	12710	LD	A,3FH ; ?
07B6 1B	12720	SPEC	DEC DE
07B7 71	12730	LD	(HL),C
07B8 C33609	12740	JP	S94F
	12750		
	12760		
	12770		
	12780		
07BB 3E3E	12790	ZBFA	LD A,3EH
07BD 11B62B	12800	ZBFC	LD DE,BUF
07C0 E7	12810	RST	Z16
07C1 D9	12820	Z900X	EXX
07C2 365F	12830	LD	(HL),95
07C4 D9	12840	EXX	
07C5 CDF50C	12850	Z900	CALL TASTAT
07C8 E7	12860	RST	Z16
07C9 D9	12870	EXX	
07CA 365F	12880	LD	(HL),95,
07CC D9	12890	EXX	
07CD FE0D	12900	CP	0DH
07CF 280C	12910	JR	Z,Z915
07D1 FE1D	12920	CP	1DH
07D3 2815	12930	JR	Z,Z922
07D5 FE0C	12940	CP	0CH
07D7 28E2	12950	JR	Z,ZBFA
07D9 FE20	12960	CP	20H
07DB 38E8	12970	JR	C,Z900
07DD 12	12980	Z915	(DE),A
07DE 13	12990	INC	DE
07DF FE0D	13000	CP	0DH
07E1 C8	13010	RET	Z
07E2 7B	13020	LD	A,E
07E3 FE34	13030	CP	BASIC-6&0FFH
07E5 20DE	13040	JR	NZ,Z900
07E7 3E1D	13050	LD	A,1DH

07E9 E7	13060	RST	Z16		0849 DD77FF	13720	LD	(IX-1),A
07EA 7B	13070	LD	A,E		084C 3D	13730	DEC	A
07EB FEB6	13080	CP	BUF&0FFH		084D F5	13740	PUSH	AF
07ED 28CC	13090	JR	Z,ZBFA		084E 212C00	13750	LD	HL,ZEB9
07EF 1B	13100	DEC	DE		0851 CD050B	13760	CALL	ZCA6
07F0 18CF	13110	JR	Z900X		0854 300D	13770	JR	NC,Z9A4
	13120				0856 CDE30A	13780	CALL	ZCB4
	13130				0859 F1	13790	POP	AF
07F2 ED5B362C	13140	Z92A	LD DE, (BASPTR)	NADI LINIJA HL	085A 3D	13800	DEC	A
07F6 E5	13150	Z92D	PUSH HL	i SMESTI JL u DC	085B 18F0	13810	JR	Z994
07F7 2A362C	13160	LD	HL, (BASPTR)			13820		
07FA 2B	13170	DEC	HL		13830			
07FB D7	13180	RST	Z32		085D CDF40A	13840	LOOP	ZC95
07FC D21703	13190	JP	NC,Z1C9		0860 F1	13850	POP	AF
07FF 2A382C	13200	LD	HL, (BASEND)		0861 3C	13860	INC	A
0802 2B	13210	DEC	HL		0862 F5	13870	PUSH	AF
0803 D7	13220	RST	Z32		0863 21A000	13880	LD	HL,ZEB5
0804 E1	13230	POP	HL		0866 CD050B	13890	CALL	ZCA6
0805 D8	13240	RET	C		0869 30F2	13900	JR	NC,LOOP
0806 1A	13250	LD	A, (DE)			13910		
0807 95	13260	SUB	L		13920			
0808 47	13270	LD	B,A		086B DD7EFE	13930	Z9B4	A,(IX-2)
0809 13	13280	INC	DE		086E ED44	13940	NEG	
080A 1A	13290	LD	A, (DE)		0870 280B	13950	Z9B9	JR Z,Z9C6
080B 9C	13300	SBC	A,H		0872 D9	13960	EXX	
080C 3804	13310	JR	C,Z946		0873 CB39	13970	SRL	C
080E 1B	13320	DEC	DE		0875 CB1C	13980	RR	H
080F B0	13330	OR	B		0877 CB1D	13990	RR	L
0810 C9	13340	RET			0879 D9	14000	EXX	
	13350				087A 3D	14010	DEC	A
	13360				087B 18F3	14020	JR	Z9B9
0811 13	13370	Z945	INC DE			14030		
0812 13	13380	Z946	INC DE		087D 0607	14050	Z9C6	LD B,7
0813 1A	13390	Z947	LD A, (DE)		087F DDE5	14060	PUSH	IX
0814 FE0D	13400	CP	0DH		0881 E1	14070	POP	HL
0816 20FA	13410	JR	NZ,Z946		0882 3600	14080	LD	(HL),0
0818 13	13420	YES0D	INC DE		0884 23	14090	INC	HL
0819 18DB	13430	JR	Z92D		0885 AF	14100	Z9CE	XOR A
	13440				0886 CD4F02	14110	CALL	Z15E
081B 13	13450	NOTE0D	INC DE		0889 D9	14120	EXX	
081C 1A	13460	X947	LD A, (DE)		088A 78	14130	LD	A,B
081D EF	13470	RST	HL0		088B D9	14140	EXX	
081E FE0D	13480	CP	0DH		088C 77	14150	LD	(HL),A
0820 28F6	13490	JR	Z,YES0D		088D 23	14160	INC	HL
0822 FE21	13500	CP	"		088E 10F5	14170	DJNZ	Z9CE
0824 28EC	13510	JR	Z,Z946		0890 010006	14180	LD	BC,600H
0826 FE22	13520	CP	"		0893 2B	14190	DEC	HL
0828 200A	13530	JR	NZ,IGN		0894 7E	14200	LD	A,(HL)
082A 13	13540	GONAV	INC DE		0895 FE05	14210	CP	5
082B 1A	13550	LD	A, (DE)		0897 3F	14220	Z9E2	CCF
082C FE0D	13560	CP	0DH		0898 3E00	14230	LD	A,0
082E 28E8	13570	JR	Z,YES0D		089A 2B	14240	DEC	HL
0830 FE22	13580	CP	"		089B 8E	14250	ADC	A,(HL)
0832 20F6	13590	JR	NZ,GONAV		089C CB21	14260	SLA	C
0834 FE45	13600	IGN	CP 'E'		089E FE0A	14270	CP	0AH
0836 20E3	13610	JR	NZ,NOTE0D		08A0 3802	14280	JR	C,Z9EF
0838 2EF6	13620	LD	L,XELSE&0FFH-1		08A2 3E00	14290	LD	A,0
083A C39803	13630	JP	Z343		08A4 77	14300	Z9EF	LD (HL),A
	13640				08A5 F5	14310	PUSH	AF
083D DD7EFF	13650	Z983	LD A,(IX-1)		08A6 A7	14320	AND	A
0840 A7	13660	AND	A		08A7 2802	14330	JR	Z,Z9F6
0841 3E20	13670	LD	A,20H		08A9 CBC1	14340	SET	0,C
0843 2802	13680	JR	Z,Z98D		08AB F1	14350	POP	AF
0845 3E2D	13690	LD	A,2DH		08AC 10E9	14360	DJNZ	Z9E2
0847 E7	13700	Z98D	RST	Z16	08AE 79	14370	LD	A,C
0848 AF	13710	XOR	A					

08AF C1	14380	POP	BC
08B0 3806	14390	JR	C, ZA03
08B2 04	14400	INC	B
08B3 C5	14410	PUSH	BC
08B4 0601	14420	LD	B, 1
08B6 18DF	14430	JR	Z9E2
08B8 4F	14440	ZA03	LD
08B9 78	14450	LD	C, A
08BA 3C	14460	INC	A, B
08BB FAC008	14470	JP	M, ZA13
08BE FE07	14480	CP	7
08C0 3006	14490	JR	NC, ZA13
08C2 47	14500	LD	B, A
08C3 CD1C09	14510	CALL	ZA4D
08C6 1843	14520	JR	ZA41
	14530		
	14540		
08C8 C5	14550	ZA13	PUSH
08C9 0601	14560	LD	BC
08CB CD1C09	14570	CALL	B, 1
08CE 3E45	14580	LD	ZA4D
08D0 E7	14590	RST	A, 45H
08D1 C1	14600	POP	Z16
08D2 CB78	14610	BIT	BC
08D4 3E2B	14620	LD	7, B
08D6 2808	14630	JR	A, 2BH
08D8 3E2D	14640	LD	Z, ZA2B
08DA E7	14650	RST	A, 2DH
08DB 78	14660	LD	Z16
08DC ED44	14670	NEG	A, B
08DE 1802	14680	JR	ZA2D
	14690		
	14700		
08E0 E7	14710	ZA2B	RST
08E1 78	14720	LD	Z16
08E2 0630	14730	ZA2D	A, B
08E4 FE0A	14740	ZA2F	LD
08E6 381C	14750	CP	30H
08E8 C6F6	14760	ADD	0AH
08EA 04	14770	INC	C, ZA38
08EB 18F7	14780	JR	A, 0F6H
08ED 1A	14790	X96D	INC
08EE 6F	14800	LD	B, (DE)
08EF 13	14810	INC	L, A
08F0 1A	14820	LD	DE
08F1 67	14830	LD	A, (DE)
08F2 13	14840	INC	DE
08F3 CDBC0A	14850	Z96D	CALL
08F6 D5	14860	Z970	DE
08F7 C5	14870	PUSH	PRINT (IX)
08F8 E5	14880	PUSH	BC
08F9 DD7EFE	14890	LD	HL
08FC FE80	14900	CP	A, (IX-2)
08FE C23D08	14910	JP	80H
0901 AF	14920	XOR	NZ, Z983
0902 0620	14930	LD	A
0904 F630	14940	ZA38	OR
0906 4F	14950	LD	30H
0907 78	14960	LD	C, A
0908 E7	14970	RA41	A, B
0909 79	14980	RST	A, C
090A E7	14990	RST	Z16
090B	15000	ZA41	EQU
090B E1	15010	POP	\$
090C C1	15020	POP	BLANK POSLE BROJA
090D D1	15030	DEIXBC	POP

090E 01FBFF	15040	IXFFF8	LD	BC, 0FFFFBH
0911 DD09	15050	ZAI8	ADD	IX, BC
0913 C9	15060		RET	
	15070			
0914 CD4C0C	15080	ZE10IX	CALL	ZE00
0917 010A00	15090	BC10IX	LD	BC, 0AH
091A 18F5	15100	JR	ZAI8	
	15110			
091C 04	15120	ZA4D	INC	B
091D 1003	15130	ZA4E	DJNZ	ZA54
091F 3E2E	15140		LD	A, 2EH
0921 E7	15150		RST	Z16
0922 7E	15160	ZA54	LD	A, (HL)
0923 F630	15170		OR	30H
0925 E7	15180		RST	Z16
0926 23	15190		INC	HL
0927 CB39	15200		SRL	C
0929 20F2	15210		JR	NZ, ZA4E
092B 05	15220		DEC	B
092C 05	15230		DEC	B
092D F8	15240		RET	M
092E 04	15250		INC	B
092F 18EB	15260		JR	ZA4D
0931 CDED0B	15270	ZA63	CALL	X96D
0934 3E20	15280		LD	A, 20H
0936 E7	15290	S94F	RST	Z16
0937 AF	15300	Z94F	XOR	A
0938 47	15310	Z950	LD	PRINT STRING IN (De)
0939 1A	15320	Z951	LD	A, (DE)
093A 13	15330		INC	DE
093B B8	15340		CP	B
093C C8	15350		RET	Z
093D E7	15360		RST	Z16
093E FE0D	15370		CP	0DH
0940 20F7	15380		JR	NZ, Z951
0942 3C	15390		INC	A ; RESET Z FLAG
0943 C9	15400		RET	
0944 D7	15410	ZA6F	RST	Z32
0945 C8	15420		RET	Z
0946 1A	15430		LD	A, (DE)
0947 02	15440		LD	(BC), A
0948 13	15450		INC	DE
0949 03	15460		INC	BC
094A 18F8	15470		JR	ZA6F
094C 78	15480	ZA77	LD	A, B
094D 92	15490		SUB	D
094E 2003	15500		JR	NZ, ZA7E
0950 79	15510		LD	A, C
0951 93	15520		SUB	E
0952 C8	15530		RET	Z
0953 1B	15540	ZA7E	DEC	DE
0954 2B	15550		DEC	HL
0955 1A	15560		LD	A, (DE)
0956 77	15570		LD	(HL), A
0957 18F3	15580		JR	ZA77
0959 C1	15590	ZAB4	POP	BC
095A E1	15600		POP	HL
095B 22A12A	15610		LD	(40A1H-RAM), HL
095E 7C	15620		LD	A, H
095F B5	15630		OR	L
0960 2810	15640		JR	Z, ZA9D
0962 E1	15650		POP	HL
0963 22912A	15660		LD	(4091H-RAM), HL
0966 E1	15670		POP	HL
0967 226E2A	15680		LD	(406EH-RAM), HL
096A E1	15690		POP	HL

; BLANK POSLE BROJA

096B 22932A	15700	LD	(4093H-RAM),HL	09D6 CB8A	16360	RES	1,D
096E E1	15710	POP	HL	09D8 21E001	16370	LD	HL,1E0H
096F 22952A	15720	LD	(4095H-RAM),HL	09DB ED52	16380	SBC	HL,DE
0972 C5	15730	ZA9D	PUSH BC	09DD 280E	16390	JR	Z,IGNSCR
0973 C9	15740	RET		09DF 380C	16400	JR	C,IGNSCR
0974 21CBD4	15750	ZA9F	LD HL,0FFFFH-STACK+113	09E1 44	16410	LD	B,H
0977 C1	15760	POP BC		09E2 4D	16420	LD	C,L
0978 39	15770	ADD HL,SP		09E3 CBDA	16430	SET	3,D
0979 D25301	15780	JP NC,SORRY		09E5 CBEA	16440	SET	5,D ; DA BUDE DE=2800H, VIDEO
097C 2AA12A	15790	LD HL,(40A1H-RAM)		09E7 212000	16450	LD	HL,20H
097F 7C	15800	LD A,H		09EA 19	16460	ADD	HL,DE
0980 E5	15810	OR L		09EB EDB0	16470	LDIR	1 RED NAGORE
0981 2813	15820	JR Z,ZACB		09ED 2A6C2A	16480	IGNSCR	HL,(2A6CH)
0983 2A952A	15830	LD HL,(4095H-RAM)		09F0 7C	16490	LD	A,H
0986 E5	15840	PUSH HL		09F1 B5	16500	OR	L
0987 2A932A	15850	LD HL,(4093H-RAM)		09F2 E1	16510	POP	HL
098A E5	15860	PUSH HL		09F3 2002	16520	JR	NZ,NOT3
098B 2A6E2A	15870	LD HL,(406EH-RAM)		09F5 3603	16530	LD	(HL),3 ; KLIZANJE U 3 FAZE
098E E5	15880	PUSH HL		09F7 21E029	16540	NOT3	HL,29E0H ; ZADNJI RED
098F 2A912A	15890	LD HL,(4091H-RAM)		09FA E5	16550	PUSH	HL
0992 E5	15900	PUSH HL		09FB CD340A	16560	CALL	ZB37 ; BRISANJE REDA 16
0993 2AA12A	15910	LD HL,(40A1H-RAM)		09FE E1	16570	POP	HL
0996 E5	15920	ZACB PUSH HL		09FF 22682A	16580	ZB09	(2A6BH),HL
0997 C5	15930	PUSH BC		0A02 F1	16590	Z797	POP
0998 C9	15940	RET		0A03 C9	16600	RET	AF
	15950			0A04 FE0D	16610	ZB11	CP
0999 DF	15960	Z7A7 RST Z8		0A06 200E	16620	JR	0DH
099A 3E	15970	DEFB '>'		0A08 7C	16630	CRET	NZ,ZB1A
099B 07	15980	DEFB NFOUNV-\$-1		0A09 FE2B	16640	CP	A,H
099C CD3904	15990	CALL Z799		0A0B 3804	16650	JR	2BH
099F C8	16000	RET Z		0A0D 360D	16660	LD	C,NEDITM
09A0 D8	16010	RET C		0A0F 18EE	16670	JR	(HL),0DH
09A1 23	16020	INC HL		0A11 CD340A	16680	NEDITM	ZB09
09A2 C9	16030	RET		0A14 18AA	16690	CALL	ZB37
09A3 DF	16040	NFOUNV RST Z8		0A16 FE0C	16700	ZB1A	ZAF2
09A4 3D	16050	DEFB '='		0A18 200D	16710	CP	0CH
09A5 06	16060	DEFB NFOUNJ-\$-1		0A1A 21FF29	16720	JR	NZ,ZB2E
09A6 CD3904	16070	CALL Z799		0A1D 3620	16730	GOCLR	HL,29FFH
09A9 C0	16080	RET NZ		0A1F 2B	16740	LD	20H
09AA 23	16090	INC HL		0A20 CB4C	16750	DEC	(HL),0DH
09AB C9	16100	RET		0A22 28F9	16760	BIT	1,H
09AC DF	16110	NFOUNJ RST Z8		0A24 23	16770	ADJUST	Z,GOCLR
09AD 3C	16120	DEFB '<'		0A25 18D8	16780	INC	HL
09AE 53	16130	DEFB Z797-\$-1		0A27 FE1D	16790	ZB2E	1DH
09AF CD3904	16140	CALL Z799		0A29 20D4	16800	JR	NZ,ZB09
09B2 D0	16150	RET NC		0A2B 3620	16810	LD	(HL),20H
09B3 23	16160	INC HL		0A2D 2B	16820	DEC	HL
09B4 C9	16170	RET		0A2E CB4C	16830	BIT	1,H
	16180			0A30 20F2	16840	JR	NZ,ADJUST
09B5 F5	16190	ZACB PUSH AF		0A32 18CB	16850	ZR	ZB09
09B6 CDAC2B	16200	CALL STACK+4 ; LINK		0A34 3620	16860	ZB37	(HL),20H
09B9 2A6B2A	16210	LD HL,(2A6BH)		0A36 23	16870	LD	HL
09BC 3846	16220	JR C,ZB11		0A37 7D	16880	INC	A,L
09BE 77	16230	LD (HL),A		0A38 E61F	16890	LD	1FH
09BF 23	16240	INC HL		0A3A 20F8	16900	AND	NZ,ZB37
09C0 3E2A	16250	ZAF2 LD A,2AH		0A3C C9	16910	JR	1FH
09C2 BC	16260	CP H			16920	RET	1FH
09C3 203A	16270	JR NZ,ZB09		0A3D ED57	16930	WAIT	A,I
09C5 21B02B	16280	LD HL,STACK+8		0A3F E0	16940	LD	PO
09C8 CD3D0A	16290	CALL WAIT ; DOK SE ZAVRSI KLIZANJE		0A40 7E	16950	WAIT2	RET
09CB E5	16300	PUSH HL		0A41 B7	16960	LD	A,(HL)
09CC 23	16310	INC HL		0A42 20FC	16970	OR	A
09CD 34	16320	INC (HL)		0A44 C9	16980	JR	NZ,WAIT2
09CE CD3D0A	16330	CALL WAIT ; DOK NE PRODJE 1 SLIKA			16990	RET	1FH
09D1 B7	16340	OR A		0A45 D5	17000	ZBC3	DE
09D2 ED5B6C2A	16350	LD DE,(2A6CH)		0A46 E5	17010	PUSH	HL

STAVI (HL) u (IX)
u razvijenom obliku

0A47 F5	17020	PUSH	AF
0A48 010400	17030	LD	BC,4
0A4B DDE5	17040	PUSH	IX
0A4D D1	17050	POP	DE
0A4E EDB0	17060	LDIR	
0A50 DDCB0216	17070	RL	(IX+2)
0A54 DDCB0316	17080	RL	(IX+3)
0A58 78	17090	LD	A,B
0A59 1F	17100	RRA	
0A5A DD7704	17110	LD	(IX+4),A
0A5D 37	17120	SCF	
0A5E DDCB021E	17130	RR	(IX+2)
0A62 0E05	17140	LD	C,5
0A64 DD09	17150	ADD	IX,BC
0A66 F1	17160	POP	AF
0A67 E1	17170	POP	HL
0A68 D1	17180	POP	DE
0A69 C9	17190	RET	
0A6A CDB107	17200	ZB14	CALL Z7FC
0A6D D9	17210	ZC0B	EXX
0A6E CD0E09	17220	CALL	IXFFFFB
0A71 110000	17230	LD	DE,0
0A74 DD7E03	17240	LD	A,(IX+3)
0A77 DD4E04	17250	LD	C,(IX+4)
0A7A FE80	17260	CP	80H
0A7C 282C	17270	JR	Z,ZC52
0A7E FE01	17280	CP	1
0A80 FAAE0A	17290	JP	M,ZC2C
0A83 FE10	17300	CP	10H
0A85 D9	17310	EXX	
0A86 F25A06	17320	JP	P,Z1A2
0A89 D9	17330	EXX	
0A8A 47	17340	ZC30	LD B,A
0A8B DD7E00	17350	LD	A,(IX+0)
0A8E DD6E01	17360	LD	L,(IX+1)
0A91 DD6602	17370	LD	H,(IX+2)
0A94 CB27	17380	ZC3A	SLA A
0A96 ED6A	17390	ADC	HL,HL
0A98 CB13	17400	RL	E
0A9A CB12	17410	RL	D
0A9C 10F6	17420	DJNZ	ZC3A
0A9E CB21	17430	ZC46	SLA C
0AA0 3008	17440	JR	NC,ZC52
0AA2 B4	17450	OR	H
0AA3 B5	17460	OR	L
0AA4 2801	17470	JR	Z,ZC4F
0AA6 13	17480	INC	DE
0AA7 CDD70A	17490	ZC4F	CALL ZC78
0AAA D5	17500	ZC52	PUSH DE
0AAC D9	17510	EXX	
0AAD E1	17520	POP	HL
0AAD C9	17530	RET	
0AAE 3EFF	17550	ZC2C	LD A,0FFH
0AB0 18EC	17560	JR	ZC46
0AB2 CD8E06	17570	Z24	CALL Z7AD
0AB5 CD9909	17580	Z75D	CALL Z7A7
0AB8 01	17590	DEFB	1 ; DUMMY LD BC,
0AB9 210A00	17600	ZC56	LD HL,0AH
0ABC D5	17610	ZC59	PUSH DE
0ABD EB	17620	ZC54	EX DE,HL
0ABE CD1709	17630	CALL	BC10IX
0AC1 CDD40A	17640	CALL	ZC75
0AC4 D5	17650	PUSH	DE
0AC5 211000	17660	LD	HL,10H
0AC8 CB1C	17670	RR	H

0ACA D9	17680	EXX	
0ACB D1	17690	POP	DE
0ACC EF	17700	RST	HL0
0ACD 63	17710	LD	H,E
0ACE 4A	17720	LD	C,D
0ACF CD4C0C	17730	CALL	ZE00
0AD2 182F	17740	JR	ZCA4
0AD4 AF	17750	XOR	A
0AD5 82	17760	ADD	A,D
0AD6 F0	17770	RET	P
0AD7 7B	17780	ZC78	LD A,E
0AD8 ED44	17790	NEG	
0ADA 5F	17800	LD	E,A
0ADB 7A	17810	LD	A,D
0ADC 2F	17820	CPL	
0ADD 3F	17830	CCF	
0ADE CE00	17840	ADC	A,0
0AE0 57	17850	LD	D,A
0AE1 37	17860	SCF	
0AE2 C9	17870	RET	
0AE3 CDB90A	17880	ZC84	CALL
0AE6 CD680C	17890	ZC87	CALL
0AE9 283E	17900	JR	E
0AEB BB	17910	CP	
0AEC CA6B0B	17920	JP	
0AEF CDB10B	17930	CALL	ZC56
0AF2 180F	17940	JR	ZE1E
0AF4 CDB90A	17950	ZC95	CALL
0AF7 CD680C	17960	ZC98	CALL
0AFA 282D	17970	JR	ZD27
0AFC BB	17980	CP	ZCA4
0AFD CA5B06	17990	JP	ZC56
0B00 CDAE0B	18000	CALL	ZE1E
0B03 1868	18010	ZCA4	(IX) = (IX) * 12RAZ
0B05 CD450A	18020	ZCA6	Z, ZCCA
0B08 CD680C	18030	CALL	test (IX)
0B0B 01FBFF	18040	LD	Z, ZD0D
0B0E 1806	18050	JR	(IX) ← Ø - adjust - ret
0B10 CD680C	18060	ZCB1	restore - adjust - ret
0B13 01F6FF	18070	LD	ZB3
0B16 DD09	18080	ZC87	BC, 0FFF6H
0B18 BD	18090	CP	IX, BC
0B19 CDE60B	18100	CALL	ZD94
0B1C D1	18110	POP	DE
0B1D C9	18120	RET	
0B1E CD680C	18130	ZCBF	ZE1E
0B21 2005	18140	JR	(IX) = (IX) - 12RAZ
0B23 CD620B	18150	CALL	NZ, ZCC9
0B26 1830	18160	JR	ZD03
0B28 BB	18170	CP	ZCF9
0B29 2853	18180	ZCCA	E ←
0B2B AA	18190	ZCCC	Z, ZD20
0B2C 57	18200	LD	D
0B2D 180B	18210	JR	D,A
0B2F CD450A	18220	CALL	ZCDB
0B32 CD680C	18230	ZC03	ZBC3
0B35 282C	18240	JR	ZE1E
0B37 BB	18250	CP	Z, ZD04
0B38 2844	18260	JR	(IX) = (IX) + 12RAZ
0B3A CD040C	18270	ZCDB	ZD20
0B3D 280E	18280	JR	ZDB3
0B3F 3007	18290	JR	Z, ZCEE
0B41 EB	18300	EX	NC, ZCE9
0B42 D9	18310	EXX	DE, HL
0B43 EB	18320	EX	0+X
0B44 79	18330	LD	A,C

2979,5

+/-/*
<=>
INT
(IX) ← HL

0B45 48	18340	LD	C,B	0BAE 7B	19000	ZD5C	LD	A,E
0B46 47	18350	LD	B,A	0BAF ED44	19010	NEG		
0B47 D9	18360	EXX		0BB1 5F	19020	LD	E,A	
0B48 CD170C	18370	ZCE9	CALL	0BB2 7C	19030	LD	A,H	
0B4B 1820	18380	JR	ZD0F	0BB3 AA	19040	XOR	D	
0B4D 7C	18390	ZCEE	LD	0BB4 67	19050	LD	H,A	
0B4E AA	18400	XOR	D	0BB5 E5	19060	PUSH	HL	
0B4F 201A	18410	JR	NZ,ZD0D	0BB6 C5	19070	PUSH	BC	
0B51 1E01	18420	LD	E,1	0BB7 0619	19080	LD	B,19H	
0B53 CD3F0C	18430	CALL	ZDF3	0BB9 D9	19090	EXX		
0B56 1815	18440	JR	ZD0F	0BBA ED52	19100	ZD6B	SBC	HL,DE
0B58 DD7EFF	18450	ZCF9	LD	0BBC 79	19110	LD	A,C	
0B5B EE80	18460	XOR	B0H	0BBD 98	19120	SBC	A,B	
0B5D DD77FF	18470	LD	(IX-1),A	0BBE 4F	19130	LD	C,A	
0B60 D1	18480	POP	DE	0BBF 3003	19140	JR	NC,ZD72	
0B61 C9	18490	RET		0BC1 19	19150	ADD	HL,DE	
0B62 D5	18500	ZD03	PUSH	0BC2 88	19160	ADC	A,B	
0B63 62	18510	ZD04	LD	0BC3 4F	19170	LD	C,A	
0B64 6B	18520	LD	H,D	0BC4 D9	19180	ZD72	EXX	
0B65 D9	18530	EXX	L,E	0BC5 3F	19190	CCF		
0B66 6B	18540	LD	L,E	0BC6 ED6A	19200	ADC	HL,HL	
0B67 62	18550	LD	H,D	0BC8 CB11	19210	RL	C	
0B68 48	18560	LD	C,B	0BCA 100B	19220	DJNZ	ZD85	
0B69 D9	18570	EXX		0BCC E5	19230	PUSH	HL	
0B6A 01	18580	DEFB	1 ; DUMMY LD BC,	0BCD 65	19240	PUSH	BC	
0B6B 2E80	18590	ZD0D	LD	0BCE D9	19250	EXX		
0B6D DD74FA	18600	ZD0F	LD	(IX-6),H-		0BCF C1	19260	
0B70 DD75F9	18610	LD	(IX-7),L	PRVI ČLAN - (IX)		0BD0 E1	19270	
0B73 D9	18620	EXX		DRUGI ČLAN HLL'H'C'		0BD1 D9	19280	
0B74 DD75F6	18630	LD	(IX-10),L			0BD2 C1	19290	
0B77 DD74F7	18640	LD	(IX-9),H			0BD3 E1	19300	
0B7A DD71FB	18650	LD	(IX-8),C			0BD4 D9	19310	
0B7D D9	18660	EXX				0BD5 185E	19320	
0B7E C30D09	18670	ZD20	JP	DEIXBC	19330	ZD83	JR	ZDE9
0B81 7C	18680	ZD27	LD	A,H	0BD7 D9	19340	EXX	
0B82 AA	18690	XOR	D	0BD8 29	19340	ADD	HL,HL	
0B83 67	18700	LD	H,A	0BD9 CB11	19350	RL	C	
0B84 1D	18710	DEC	E	0BDB 30DD	19360	JR	NC,ZD6B	
0B85 E5	18720	PUSH	HL	0BDD 3F	19370	CCF		
0B86 C5	18730	PUSH	BC	0BDE ED52	19380	SBC	HL,DE	
0B87 0618	18740	LD	B,18H	0BE0 79	19390	LD	A,C	
0B89 CD810C	18750	CALL	ZE39	0BE1 98	19400	SBC	A,B	
0B8C AF	18760	XOR	A	0BE2 4F	19410	LD	C,A	
0B8D EF	18770	RST	HL0	0BE3 B7	19420	OR	A	
0B8E 4F	18780	LD	C,A	0BE4 18DE	19430	JR	ZD72	
0B8F D9	18790	ZD3D	EXX	0BE6 280A	19440	ZD94	JR	Z,ZDA0
0B90 CB39	18800	SRL	C	0BE8 BB	19450	CP	E	
0B92 CB1C	18810	RR	H	0BE9 280F	19460	JR	Z,ZDA8	
0B94 CB1D	18820	RR	L	0BEB 7C	19470	LD	A,H	
0B96 D9	18830	EXX		0BEC AA	19480	XOR	D	
0B97 3004	18840	JR	NC,ZD4B	0BED CC040C	19490	CALL	Z,ZDB3	
0B99 19	18850	ADD	HL,DE	0BF0 1807	19500	JR	ZDA7	
0B9A 79	18860	LD	A,C	0BF2 BB	19510	ZDA0	CP	E
0B9B 88	18870	ADC	A,B	0BF3 C8	19520	RET	Z	
0B9C 4F	18880	LD	C,A	0BF4 37	19530	SCF		
0B9D D9	18890	ZD4B	EXX	0BF5 CB7A	19540	BIT	7,D	
0B9E 1005	18900	DJNZ	ZD53	0BF7 1803	19550	JR	ZDAA	
0B9F C1	18910	POP	BC	0BF9 C8	19560	ZDA7	RET	Z
0B9A1 E1	18920	POP	HL	0BFA CB7C	19570	ZDAB	BIT	7,H
0B9A2 D9	18930	EXX		0BFC 3F	19580	ZDAA	CCF	
0B9A3 1830	18940	JR	ZD83	0BFD C0	19590	RET	NZ	
0B9A5 D9	18950	ZD53	EXX	0BFE 3F	19600	CCF		
0B9A6 CB19	18960	RR	C	0BFF 1F	19610	RRA		
0B9A8 CB1C	18970	RR	H	0C00 37	19620	SCF		
0B9A9 CB1D	18980	RR	L	0C01 CB17	19630	RL	A	
0BAC 18E1	18990	JR	ZD3D	0C03 C9	19640	RET		
				0C04 7D	19650	ZD83	LD	A,L

0C05 93	19660	SUB	E			0C63 F25806	20320	JP	P, Z745
0C06 2807	19670	JR	Z, ZDBE			0C66 18F2	20330	JR	ZE0E
0C08 E20D0C	19680	JP	PO, ZDBC			0C68 E1	20340	ZE1E	POP
0C08 ED44	19690	NEG				0C69 D5	20350	PUSH	DE
0C0D 07	19700	ZDBC	RLCA			0C6A E5	20360	PUSH	HL
0C0E C9	19710	RET				0C6B DD56FF	20370	LD	D, (IX-1)
0C0F D9	19720	ZDBE	EXX			0C6E DD5EFE	20380	LD	E, (IX-2)
0C10 79	19730	LD	A,C			0C71 DD66FA	20390	LD	H, (IX-6)
0C11 B8	19740	CP	B			0C74 DD6EF9	20400	LD	L, (IX-7)
0C12 2001	19750	JR	NZ, ZDC9			0C77 D9	20410	EXX	
0C14 D7	19760	RST	Z32			0C78 DD5EFB	20420	LD	E, (IX-5)
0C15 D9	19770	ZDC9	EXX			0C7B DD56FC	20430	LD	D, (IX-4)
0C16 C9	19780	RET				0C7E DD46FD	20440	LD	B, (IX-3)
0C17 7D	19790	ZDCB	LD	A,L		0C81 DD6EF6	20450	ZE39	L, (IX-10)
0C18 93	19800	SUB	E			0C84 DD66F7	20460	LD	H, (IX-9)
0C19 280E	19810	JR	Z, ZDDD			0C87 DD4EF8	20470	LD	C, (IX-8)
0C1B FE18	19820	CP	18H			0C8A D9	20480	EXX	
0C1D D0	19830	RET	NC			0C8B 3E80	20490	LD	A, 80H
0C1E D9	19840	EXX				0C8D BD	20500	CP	L
0C1F CB38	19850	ZDD3	SRL	B		0C8E C9	20510	RET	
0C21 CB1A	19860	RR	D			0C8F D5	20520	ZE47	PUSH DE ; RND
0C23 CB1B	19870	RR	E			0C90 D9	20530	EXX	
0C25 3D	19880	DEC	A			0C91 21A72A	20540	LD	HL, 40A7H-RAM
0C26 20F7	19890	JR	NZ, ZDD3			0C94 E5	20550	PUSH	HL
0C28 D9	19900	EXX				0C95 5E	20560	LD	E, (HL)
0C29 1E00	19910	ZDDD	LD	E, 0		0C96 23	20570	INC	HL
0C2B 7C	19920	LD	A,H			0C97 56	20580	LD	D, (HL)
0C2C AA	19930	XOR	D			0C98 23	20590	INC	HL
0C2D FA460C	19940	JP	M, ZDFA			0C99 46	20600	LD	B, (HL)
0C30 D9	19950	EXX				0C9A D9	20610	EXX	
0C31 19	19960	ADD	HL, DE			0C9B CD4802	20620	CALL	Z155
0C32 79	19970	LD	A,C			0C9E EF	20630	RST	HL0
0C33 88	19980	ADC	A,B			0C9F 0E03	20640	LD	C, 3
0C34 4F	19990	LD	C,A			0CA1 0608	20650	ZE77	LD
0C35 3007	20000	ZDE9	JR	NC, ZDF2		0CA3 56	20660	LD	B, 9
0C37 CB19	20010	RR	C			0CA4 D9	20670	ZE7A	D, (HL)
0C39 CB1C	20020	RR	H			0CA5 29	20680	ADD	HL, HL
0C3B CB1D	20030	RR	L			0CA6 CB11	20690	RL	C
0C3D 37	20040	SCF				0CA8 D9	20700	EXX	
0C3E D9	20050	ZDF2	EXX			0CA9 CB12	20710	RL	D
0C3F 7D	20060	ZDF3	LD	A,L		0CAB 3006	20720	JR	NC, ZEB9
0C40 8B	20070	ADC	A,E			0CAD D9	20730	EXX	
0C41 EA610C	20080	ZDF5	JP	PE, ZE15		0CAE 19	20740	ADD	HL, DE
0C44 6F	20090	LD	L,A			0CAF 79	20750	LD	A,C
0C45 C9	20100	RET				0CB0 88	20760	ADC	A,B
0C46 D9	20110	ZDFA	EXX			0CB1 4F	20770	LD	C,A
0C47 ED52	20120	SBC	HL, DE			0CB2 D9	20780	EXX	
0C49 79	20130	LD	A,C			0CB3 10EF	20790	ZE89	DJNZ ZE7A
0C4A 98	20140	SBC	A,B			0CB5 23	20800	INC	HL
0C4B 4F	20150	LD	C,A			0CB6 0D	20810	DEC	C
0C4C 0618	20160	ZE00	LD	B, 18H		0CB7 20E8	20820	JR	NZ, ZE77
0C4E AF	20170	XOR	A			0CB9 EF	20830	RST	HL0
0C4F 0C	20180	INC	C			0CBA D9	20840	EXX	
0C50 0D	20190	DEC	C			0CBB D1	20850	POP	DE
0C51 FA5D0C	20200	ZE05	JP	M, ZE11		0CBC 7D	20860	LD	A,L
0C54 3D	20210	DEC	A			0CBD C665	20870	ADD	A, 65H
0C55 29	20220	ADD	HL, HL			0CBF 12	20880	LD	(DE), A
0C56 CB11	20230	RL	C			0CC0 13	20890	INC	DE
0C58 10F7	20240	DJNZ	ZE05			0CC1 6F	20900	LD	L,A
0C5A 2E80	20250	ZE0E	LD	L, 80H		0CC2 7C	20910	LD	A,H
0C5C C9	20260	RET				0CC3 CEB0	20920	ADC	A, 0B0H
0C5D D9	20270	ZE11	EXX			0CC5 12	20930	LD	(DE), A
0C5E 85	20280	ADD	A,L			0CC6 13	20940	INC	DE
0C5F 18E0	20290	JR	ZDF5			0CC7 67	20950	LD	H,A
0C61 7C	20300	ZE15	LD	A,H		0CC8 79	20960	LD	A,C
0C62 B7	20310	OR	A			0CC9 CE05	20970	ADC	A, 5

0CCB 12	20980	LD	(DE),A	0D36	CA0503	21640	JP	Z,STOP
0CCC 4F	20990	LD	C,A	0D39	FE1B	21650	CP	1BH
0CCD CD1409	21000	CALL	ZE10IX	0D3B	213520	21660	LD	HL,2035H ; SHIFT
0CCD C36D0B	21010	JP	ZD0F	0D3E	3819	21670	JR	C,IZLAZZ
	21020			0D40	FE1F	21680	CP	1FH
	21030			0D42	3810	21690	JR	C,IZLAZ
0CD3 EF	21040	BEC4	RST	0D44	D61F	21700	SUB	1FH
0CD4 CD0501	21050	CALL	Z40	0D46	CB1E	21710	RR	(HL)
0CD7 CD7201	21060	CALL	ZBC	0D48	17	21720	RLA	
0CDA 3807	21070	JR	C,ALPHA	0D49	4F	21730	LD	C,A
0CDC 1B	21080	DEC	DE	0D4A	21700D	21740	LD	HL,TABELA
0CDD CDA201	21090	CALL	ZA6	0D4D	09	21750	ADD	HL,BC
0CE0 CD6D0A	21100	CALL	ZC0B	0D4E	ED5F	21760	LD	A,R
0CE3 7C	21110	ALPHA	LD	0D50	32AB2A	21770	LD	(2AA8H),A
0CE4 B5	21120	OR	L	0D53	7E	21780	LD	A,(HL)
0CE5 C9	21130	RET		0D54	32B42B	21790	LD	(STACK+12),A
	21140			0D57	D9	21800	EXX	
0CE6 BC	21150	G01	CP	0D58	C9	21810	RET	
0CE7 2002	21160	JR	NZ,NOTH			21820		
0CE9 2600	21170	LD	H,0	0D59	C640	21830	IZLAZZ	ADD A,40H
0CEB BD	21180	NOTH	CP	0D5B	CB1E	21840	RR	(HL)
0CEC 2002	21190	JR	NZ,NOTL	0D5D	38F5	21850	JR	C,IZLAZ
0CEE 2E00	21200	LD	L,0	0D5F	21940D	21860	LD	HL,TAB3
0CF0 1D	21210	NOTL	DEC	0D62	015804	21870	LD	BC,45BH ; 4BY TABLICA + STREL.LEVO
0CF1 200B	21220	JR	NZ,TAST3	0D65	BE	21880	NFND	CP (HL)
0CF3 1806	21230	JR	TAST2	0D66	2805	21890	JR	Z,FNDSL
	21240			0D68	23	21900	INC	HL
0CF5 D9	21250	TASTAT	EXX	0D69	0C	21910	INC	C
0CF6 2AA52A	21260	LD	HL,(2AA5H)	0D6A	10F9	21920	DJNZ	NFND
0CF9 0E0E	21270	LD	C,14	0D6C	0E	21930	DEFB	0EH ; DUMMY LD C,
0CFB 113420	21280	TAST2	LD	0D6D	79	21940	FNDSL	LD A,C
0CFE 1A	21290	TAST3	LD	0D6E	18E4	21950	JR	IZLAZ
0CFF 0F	21300	RRCA				21960		
0D00 7B	21310	LD	A,E			21970		
0D01 38E3	21320	JR	C,G01	0D70	2020	21980	TABELA	DEFW 2020H ; SPACE
0D03 FE32	21330	CP	32H	0D72	5F30	21990	DEFW	305FH ; CURSOR 0
0D05 2008	21340	JR	NZ,NORPT	0D74	2131	22000	DEFW	3121H ; 1
0D07 0D	21350	DEC	C	0D76	2232	22010	DEFW	3222H ; 2
0D08 20DC	21360	JR	NZ,G01	0D78	2333	22020	DEFW	3323H ; #3
0D0A 3AB42B	21370	LD	A,(STACK+12),IZLAZ	0D7A	2434	22030	DEFW	3424H ; #4
0D0D 1845	21380	JR	IZLAZ	0D7C	2535	22040	DEFW	3525H ; %5
0D0F BC	21390	NORPT	CP	0D7E	2636	22050	DEFW	3626H ; &6
0D10 28DE	21400	JR	H	0D80	BF37	22060	DEFW	37BFH ; BLOCK 7
0D12 BD	21410	CP	Z,NOTL	0D82	2838	22070	DEFW	3828H ; (8
0D13 28DB	21420	JR	Z,NOTL	0D84	2939	22080	DEFW	3929H ;)9
0D15 0E00	21430	LD	B,0	0D86	2B3B	22090	DEFW	3B2BH ; +
0D17 D7	21440	X200	RST	0D88	2A3A	22100	DEFW	3A2AH ; * :
0D18 1A	21450	LD	A,(DE)	0D8A	3C2C	22110	DEFW	3C3CH ; < ,
0D19 0F	21460	RRCA		0D8C	2D3D	22120	DEFW	3D2DH ; - =
0D1A 38CA	21470	JR	C,G01	0D8E	3E2E	22130	DEFW	2E3EH ; > .
0D1C 10F9	21480	DJNZ	X200	0D90	3F2F	22140	DEFW	2F3FH ; ? /
0D1E 7C	21490	LD	A,H	0D92	0D0D	22150	DEFW	0D0DH ; RET
0D1F B7	21500	OR	A			22160		
0D20 2003	21510	JR	NZ,ZAUZET	0D94	58	22170	TAB3	DEFB 58H ; X
0D22 63	21520	LD	H,E	0D95	43	22180	DEFB	43H ; C
0D23 1805	21530	JR	UPISAN	0D96	5A	22190	DEFB	5AH ; Z
0D25 7D	21540	ZAUZET	LD	0D97	53	22200	DEFB	53H ; S
0D26 B7	21550	OR	A			22210		
0D27 20D5	21560	JR	NZ,TAST3	0D98	0C00	22220	DEFW	000CH ; STOP DEL
0D29 6B	21570	LD	L,E			22230		
0D2A 22A52A	21580	UPISAN	LD			22240		
0D2D EF	21590	RST	HL0			22250		
0D2E 7B	21600	LD	A,E	0D9A	CD8301	22260	Z821	CALL X825
0D2F FE34	21610	CP	34H	0D9D	ED4B992A	22270	LD	EC,(2A99H)
0D31 CA6104	21620	JP	Z,LIST2	0DA1	ED42	22280	SBC	HL,BC
0D34 FE31	21630	CP	31H	0DA3	181A	22290	JR	FORC59

0DA5 4E	22300	WORD2	LD	C, (HL)	; READ 2 BYTES		0E00 F5	22960	PUSH	AF	
0DA6 23	22320	INC	HL				0E01 CF	22970	RST	Z807	
0DA7 66	22330	LD	H, (HL)				0E02 E5	22980	PUSH	HL	
0DA8 69	22340	LD	L,C				0E03 CD0500	22990	CALL	ZAREZ	
0DA9 1814	22350	JR	FORC59				0E06 E3	23000	EX	(SP), HL	
	22360						0E07 C1	23010	POP	BC	
0DAB	22370	KEY	EQU	\$; KEY			0E08 71	23020	LD	(HL), C	
0DAB 7C	22380	LD	A, H				0E09 F1	23030	POP	AF	
0DAC B5	22390	OR	L				0E0A 2802	23040	JR	Z, NOVINS	
0DAD 2005	22400	JR	NZ, NOWAIT				0E0C 23	23050	INC	HL	
0DAF CDF50C	22410	CALL	TASTAT				0E0D 70	23060	LD	(HL), B	
0DB2 1806	22420	JR	LA				0E0E F7	23070	NOVINS	RST	Z48
0DB4 CBEC	22430	NOWAIT	SET	S, H				23080			
0DB6 7E	22440	LD	A, (HL)				0E0F	23090	USR	EQU \$; USR	
0DB7 2F	22450	ARCPL	CPL				0E0F D5	23100	PUSH	DE	
0DB8 E601	22460	AREZ	AND	1			0E10 11BD0A	23110	LD	DE, ZC5A	
0DBA 6F	22470	LA	LD	L, A			0E13 D5	23120	PUSH	DE	
0DBB 3E	22480	DEFB	3EH				0E14 E9	23130	JP	(HL)	
0DBC 6E	22490	BYTE2	LD	L, (HL) ;	READ BYTE		0E15	23140			
0DBD 2600	22500	ASK2	LD	H, 0			0E15 B2	23150	CHRS	EQU \$	
0DBF C3BC0A	22510	FORC59	JP	ZC59			0E16 7D	23160	OR	D	
	22520						0E17 C9	23170	LD	A, L	
	22530							23180	RET		
								23190			
0DC2 CDFC05	22540	EQU	CALL	Z694			0E18 CD7409	23200	Z546	CALL	Z49F ; FOR
0DC5 E5	22550	PUSH	HL				0E1B CD3007	23210	CALL	ZB8	
0DC6 DF	22560	RST	Z8				0E1E 22A12A	23220	LD	(2AA1H), HL	
0DC7 2C	22570	DEFB	'				0E21 DF	23230	RST	Z8	
0DC8 00	22580	DEFB	0				0E22 54	23240	DEFB	'T'	
0DC9 CDFC05	22590	CALL	Z694				0E23 B2	23250	DEFB	WHAT2-\$-1	
0DCC C1	22600	POP	BC				0E24 DF	23260	RST	Z8	
0DCD 0A	22610	POREDI	LD	A, (BC)			0E25 4F	23270	DEFB	'0'	
0DCE BE	22620	CP	(HL)				0E26 AF	23280	DEFB	WHAT2-\$-1	
0DCF 200B	22630	JR	NZ, NEQ				0E27 CF	23290	RST	Z807 ; TO	
0DD1 B7	22640	OR	A				0E28 226E2A	23300	LD	(2A6EH), HL	
0DD2 2807	22650	JR	Z, ENDEQ				0E2B 2ED8	23310	LD	L, Z311&0FFH	
0DD4 23	22660	INC	HL				0E2D C39803	23320	JP	Z343	
0DD5 03	22670	INC	BC					23330			
0DD6 7D	22680	LD	A, L				0E30 21362C	23340	ZF3B	LD	HL, BASIC-4 ; SAVE
0DD7 E60F	22690	AND	15				0E33 E5	23350	PUSH	HL	
0DD9 20F2	22700	JR	NZ, POREDI				0E34 2A382C	23360	LD	(BASEND)	
0DBB 3E	22710	ENDEQ	DEFB	3EH			0E37 DF	23370	RST	Z8	
0DCC AF	22720	NEQ	XOR	A			0E38 0D	23380	DEFB	0DH	
0DD0 18D9	22730	JR	AREZ				0E39 02	23390	DEFB	2	
	22740						0E3A 1806	23400	JR	NODIM	
0DDF CD6501	22750	HEX	CALL	HEXCIF			0E3C CF	23410	RST	Z807	
0DE2 3814	22760	JR	C, ZAHOW				0E3D E3	23420	EX	(SP), HL	
0DE4 1B	22770	DEC	DE				0E3E CD0500	23430	CALL	ZAREZ	
0DE5 EF	22780	RST	HL0				0E41 23	23440	INC	HL	
0DE6 CD6501	22790	GOCONV	CALL	HEXCIF			0E42 D1	23450	NODIM	POP DE	
0DE9 38D4	22800	JR	C, FORC59				0E43 0660	23460	LD	B, 60H	
0DEB 07	22810	RLCA					0E45 F3	23470	DI		
0DEC 07	22820	RLCA					0E46 AF	23480	LEADER	XOR A	
0DED 07	22830	RLCA					0E47 CD680E	23490	CALL	BYTE	
0DEE 07	22840	RLCA					0E4A 10FA	23500	DJNZ	LEADER	
0DEF 01E60D	22850	LD	BC, GOCONV				0E4C 3EA5	23510	LD	A, 0A5H	
0DF2 C5	22860	PUSH	BC				0E4E CD680E	23520	CALL	BYTE	
0DF3 0604	22870	HLX4	LD	B, 4			0E51 CD620E	23530	CALL	EXWORD	
0DF5 07	22880	HEX4	RLCA				0E54 CD620E	23540	CALL	EXWORD	
0DF6 ED6A	22890	ADC	HL, HL				0E57 2B	23550	DEC	HL	
0DF8 DA5A06	22900	ZAHOW	JP	C, Z1A2			0E58 1A	23560	REC	LD A, (DE)	
0DFB 10F8	22910	DJNZ	HEX4				0E59 13	23570	INC	DE	
0DFD C9	22920	RET					0E5A CD680E	23580	CALL	BYTE	
	22930						0E5D 30F9	23590	JR	NC, REC	
0DFE F6	22940	WORD1	DEFB	0F6H	;(DUMMY OR) WRITE 2 BYTES		0E5F 78	23600	LD	A, B	
0DFF AF	22950	BYTE1	XOR	A	WRITE 1 BYTE		0E60 2F	23610	CPL		

DE = FROM
HL = TO+1

read from
silence bit A5
FROM
TO+1

0E61 5F	23620	LD	E,A		0EBB 09	24280	ADD	HL,BC	Load byte, sum
	23630				0EBC 47	24290	LD	B,A	
0E62 EB	23640	EXWORD	EX	DE,HL	0EBD EB	24300	PUNI	EX	DE,HL
0E63	23650	WORD	EQU	\$	0EBE CDDDOE	24310	CALL	RXBYTE	push byte
0E63 7D	23660	LD	A,L		0EC1 08	24320	EX	AF,AF	
0E64 CD680E	23670	CALL	BYTE		0EC2 79	24330	LD	A,C	
0E67 7C	23680	LD	A,H		0EC3 BE	24340	CP	(HL)	
0E68 D9	23690	BYTE	EXX		0EC4 2805	24350	JR	Z,EQUAL	
0E69 0E10	23700	LD	C,10H		0EC6 F1	24360	POP	AF	
0E6B 213820	23710	LD	HL,2038H		0EC7 280D	24370	JR	Z,WHAT2	
0E6E CB41	23720	G016	BIT	0,C	0EC9 F5	24380	PUSH	AF	
0E70 2805	23730	JR	Z,PULSE		0ECA 71	24390	LD	(HL),C	
0E72 0F	23740	IFPUL	RRCA		0ECB 23	24400	EQUAL	INC	HL
0E73 0664	23750	LD	B,100		0ECC EB	24410	EX	DE,HL	
0E75 300F	23760	JR	NC,NOPUL		0ECD 08	24420	EX	AF,AF	
0E77	23770	PULSE	EQU	\$	0ECE 38ED	24430	JR	C,PUNI	
0E77 36FC	23780	LD	(HL),0FCH	; HI	0ED0 CDDDOE	24440	CALL	RXBYTE	
0E79 0632	23790	LD	B,50		0ED3 F1	24450	POP	AF	
0E7B 10FE	23800	DJNZ	\$		0ED4 04	24460	INC	B	
0E7D 36B8	23810	LD	(HL),0BBH	; LO	0ED5 C8	24470	RET	Z	
0E7F 0632	23820	LD	B,50		0ED6 C38F07	24480	WHAT2	JP ZBC9 ; CHKSUM ERROR	
0E81 10FE	23830	DJNZ	\$		0ED9 CDDDOE	24490	RX2	CALL	RXBYTE
0E83 36BC	23840	LD	(HL),0BCH	; NORMAL	0EDC 69	24500	LD	L,C	
0E85 04	23850	INC	B		0EDD D9	24510	RXBYTE	EXX	
0E86 10FE	23860	NOPUL	DJNZ	\$	0EDE 0601	24520	LD	B,1	
0E88 10FE	23870	DJNZ	\$		0EE0 3EA7	24530	RXBY	LD	A,167
0E8A 0D	23880	DEC	C		0EE2 80	24540	SYNC2	ADD	A,B
0E8B 20E1	23890	JR	NZ,G016		0EE3 210020	24550	LD	HL,2000H	
0E8D 03	23900	VVP	INC	BC	0EE6 CB46	24560	BIT	0,(HL)	
0E8E CB48	23910	BIT	1,B		0EE8 2807	24570	JR	Z,FOUND	
0E90 28FB	23920	JR	Z,VVP		0EEA 3D	24580	DEC	A	
0E92 D9	23930	EXX			0EEB 20F5	24590	JR	NZ,SYNC2	
0E93 80	23940	ABHLDE	ADD	A,B	0EED D9	24600	EXX		
0E94 47	23950	LD	B,A		0EEE 79	24610	LD	A,C	
0E95 D7	23960	RST	Z32		0EEF 18A2	24620	JR	ABHLDE	
0E96 C9	23970	RET			0EF1 06DA	24630	FOUND	LD	B,0-38
	23980				0EF3 3EA9	24640	VPPLUS	LD	A,256-87
	23990				0EF5 10FC	24650	DJNZ	VPPLUS	
0E97 DF	24000	ZEE9	RST	Z8	0EF7 065A	24660	LD	B,90	
0E98 3F	24010	DEFB	'?'		0EF9 4E	24670	RCV	LD	C,(HL)
0E99 00	24020	DEFB	0		0EFA CB19	24680	RR	C	
0E9A F5	24030	PUSH	AF		0EFC CE00	24690	ADC	A,0	
0E9B DF	24040	RST	Z8		0EFE 10F9	24700	DJNZ	RCV	
0E9C 0D	24050	DEFB	0DH		0F00 07	24710	RLCA		
0E9D 02	24060	DEFB	2		0F01 D9	24720	EXX		
0E9E EF	24070	RST	HL0		0F02 CB19	24730	RR	C	
0E9F 3E	24080	DEFB	3EH		0F04 D9	24740	EXX		
0EA0 CF	24090	RST	Z807		0F05 18D9	24750	JR	RXBY	
0EA1 E5	24100	PUSH	HL		0F07 4027	24760			
0EA2 F3	24110	DI			0F09 52	24770	Z1AE	DEFW	2740H ; MIPRO ZNAK
0EA3 CDDDOE	24120	G0A5	CALL	RXBYTE	0F0A 45	24780	DEFM	READY	
0EA6 79	24130	LD	A,C		0F0B 41				
0EA7 FEAS	24140	CP	0ASH		0F0C 44				
0EA9 20FB	24150	JR	NZ,G0A5		0F0D 59				
0EAB 47	24160	LD	B,A		0F0E 0D	24790	ZADNJI	DEFB	0DH
0EAC CDD90E	24170	CALL	RX2		24800				
0EAF 61	24180	LD	H,C		0F0F 24810		ORG	0F0FH	
0EB0 D1	24190	POP	DE		0F0E 24820	Z248	EQU	\$-1	
0EB1 D5	24200	PUSH	DE		0F0F 4C	24830	DEFM		
0EB2 19	24210	ADD	HL,DE		0F10 49			'LIST'	
0EB3 EB	24220	EX	DE,HL		0F11 53				
0EB4 CDD90E	24230	CALL	RX2		0F12 54				
0EB7 61	24240	LD	H,C		0F13 84	24840	DEFB	Z401<-B&0FFH+80H	
0EB8 2B	24250	DEC	HL		0F14 5E	24850	DEFB	Z401&0FFH	
0EB9 78	24260	LD	A,B		0F15 52	24860	DEFM	'RUN'	
0EBA C1	24270	POP	BC						

0F16 55					0F58 12	25210	DEFB	Z4E6&0FFH
0F17 4E					0F59 54	25220	DEFM	'TAKE'
0F18 84	24870	DEFB	Z38C<-8&0FFH+80H		0F5A 41			
0F19 0B	24880	DEFB	Z38C&0FFH		0F5B 4B			
0F1A 4E	24890	DEFM	'NEW'		0F5C 45			
0F1B 45					0F5D 86	25230	DEFB	TAKE<-8&0FFH+80H
0F1C 57					0F5E 26	25240	DEFB	TAKE&0FFH
0F1D 83	24900	DEFB	NEW<-8&0FFH+80H		0F5F 21	25250	DEFM	'!'
0F1E FC	24910	DEFB	NEW&0FFH		0F60 84	25260	DEFB	Z5F6<-8&0FFH+80H
0F1F 53	24920	DEFM	'SAVE'		0F61 4D	25270	DEFB	Z5F6&0FFH
0F20 41					0F62 23	25280	DEFM	'#'
0F21 56					0F63 84	25290	DEFB	Z5F6<-8&0FFH+80H
0F22 45					0F64 4D	25300	DEFB	Z5F6&0FFH
0F23 8E	24930	DEFB	ZF3B<-8&0FFH+80H		0F65 46	25310	DEFM	'FOR'
0F24 30	24940	DEFB	ZF3B&0FFH		0F66 4F			
0F25 4F	24950	DEFM	'OLD'		0F67 52			
0F26 4C					0F68 8E	25320	DEFB	Z546<-8&0FFH+80H
0F27 44					0F69 18	25330	DEFB	Z546&0FFH
0F28 8E	24960	DEFB	ZEE9<-8&0FFH+80H		0F6A 50	25340	DEFM	'PRINT'
0F29 97	24970	DEFB	ZEE9&0FFH		0F6B 52			
0F2A 45	24980	DEFM	'EDIT'		0F6C 49			
0F2B 44					0F6D 4E			
0F2C 49					0F6E 54			
0F2D 54					0F6F 84	25350	DEFB	Z42F<-8&0FFH+80H
0F2E 82	24990	DEFB	EDIT<-8&0FFH+80H		0F70 80	25360	DEFB	Z42F&0FFH
0F2F 99	25000	Z26C	EDIT&0FFH		0F71 44	25370	DEFM	'DOT'
0F30 4E	25010	DEFM	'NEXT'		0F72 4F			
0F31 45					0F73 54			
0F32 58					0F74 86	25380	DEFB	Z83C<-8&0FFH+80H
0F33 54					0F75 CF	25390	DEFB	Z83C&0FFH
0F34 85	25020	DEFB	Z5A3<-8&0FFH+80H		0F76 45	25400	DEFM	'ELSE'
0F35 64	25030	DEFB	Z5A3&0FFH		0F77 4C			
0F36 49	25040	DEFM	'INPUT'		0F78 53			
0F37 4E					0F79 45			
0F38 50					0F7A 84	25410	DEFB	Z5F6<-8&0FFH+80H
0F39 55					0F7B 4D	25420	DEFB	Z5F6&0FFH
0F3A 54					0F7C 42	25430	DEFM	'BYTE'
0F3B 86	25050	DEFB	Z623<-8&0FFH+80H		0F7D 59			
0F3C 6C	25060	DEFB	Z623&0FFH		0F7E 54			
0F3D 49	25070	DEFM	'IF'		0F7F 45			
0F3E 46					0F80 8D	25440	DEFB	BYTE1<-8&0FFH+80H
0F3F 84	25080	DEFB	Z5FB<-8&0FFH+80H		0F81 FF	25450	DEFB	BYTE1&0FFH
0F40 41	25090	DEFB	Z5FB&0FFH		0F82 57	25460	DEFM	'WORD'
0F41 47	25100	DEFM	'GOTO'		0F83 4F			
0F42 4F					0F84 52			
0F43 54					0F85 44			
0F44 4F					0F86 8D	25470	DEFB	WORD1<-8&0FFH+80H
0F45 84	25110	DEFB	Z3B5<-8&0FFH+80H		0F87 FE	25480	DEFB	WORD1&0FFH
0F46 53	25120	DEFB	Z3B5&0FFH		0F88 41	25490	DEFM	'ARR\$'
0F47 43	25130	DEFM	'CALL'		0F89 52			
0F48 41					0F8A 52			
0F49 4C					0F8B 24			
0F4A 4C					0F8C C1	25500	DEFB	DIM<-8&0FFH+80H+40H
0F4B 84	25140	DEFB	Z4C4<-8&0FFH+80H		0F8D 0B	25510	DEFB	DIM&0FFH
0F4C F4	25150	DEFB	Z4C4&0FFH		0F8E 53	25520	DEFM	'STOP'
0F4D 55	25160	DEFM	'UNDOT'		0F8F 54			
0F4E 4E					0F90 4F			
0F4F 44					0F91 50			
0F50 4F					0F92 83	25530	DEFB	Z1C9<-8&0FFH+80H
0F51 54					0F93 17	25540	DEFB	Z1C9&0FFH
0F52 86	25170	DEFB	Z838<-8&0FFH+80H		0F94 48	25550	DEFM	'HOME'
0F53 CC	25180	DEFB	Z838&0FFH		0F95 4F			
0F54 52	25190	DEFM	'RET'		0F96 4D			
0F55 45					0F97 45			
0F56 54					0F98 84	25560	DEFB	HOME<-8&0FFH+80H
0F57 85	25200	DEFB	Z4E6<-8&0FFH+80H		0F99 D6	25570	DEFB	HOME&0FFH

Instruction Set

The following is a summary of the Z80, Z80A instruction set showing the assembly language mnemonic and the symbolic operation performed by the instruction. A more detailed listing appears in the Z80-CPU technical manual, and assembly language programming manual. The instructions are divided into the following categories:

8-bit loads	Miscellaneous Group
16-bit loads	Rotates and Shifts
Exchanges	Bit Set, Reset and Test
Memory Block Moves	Input and Output
Memory Block Searches	Jumps
8-bit arithmetic and logic	Calls
16-bit arithmetic	Restarts
General purpose Accumulator & Flag Operations	Returns

In the table the following terminology is used.

b	≡ a bit number in any 8-bit register or memory location
cc	≡ flag condition code
NZ	≡ non zero
Z	≡ zero
NC	≡ non carry
C	≡ carry
PO	≡ Parity odd or no over flow
PE	≡ Parity even or over flow
P	≡ Positive
M	≡ Negative (minus)

Mnemonic	Symbolic Operation	Comments
LD r, s	$r \leftarrow s$	$s \equiv r, n, (HL), (IX+e), (IY+e)$
LD d, r	$d \leftarrow r$	$d \equiv (HL), r$ $(IX+e), (IY+e)$
LD d, n	$d \leftarrow n$	$d \equiv (HL), (IX+e), (IY+e)$
LD A, s	$A \leftarrow s$	$s \equiv (BC), (DE), (nn), I, R$
LD d, A	$d \leftarrow A$	$d \equiv (BC), (DE), (nn), I, R$
LD dd, nn	$dd \leftarrow nn$	$dd \equiv BC, DE, HL, SP, IX, IY$
LD dd, (nn)	$dd \leftarrow (nn)$	$dd \equiv BC, DE, HL, SP, IX, IY$
LD (nn), ss	$(nn) \leftarrow ss$	$ss \equiv BC, DE, HL, SP, IX, IY$
LD SP, ss	$SP \leftarrow ss$	$ss \equiv HL, IX, IY$
PUSH ss	$(SP-1) \leftarrow ss_H; (SP-2) \leftarrow ss_L$	$ss \equiv BC, DE, HL, AF, IX, IY$
POP dd	$dd_E \leftarrow (SP); dd_H \leftarrow (SP+1)$	$dd \equiv BC, DE, HL, AF, IX, IY$
EX DE, HL	$DE \leftrightarrow HL$	
EX AF, AF'	$AF \leftrightarrow AF'$	
EXX	$(BC) \leftrightarrow (DE)$ $(HL) \leftrightarrow (HL')$	
EX (SP), ss	$(SP) \leftarrow ss_L; (SP+1) \leftarrow ss_H$	$ss \equiv HL, IX, IY$

d	≡ any 8-bit destination register or memory location
dd	≡ any 16-bit destination register or memory location
e	≡ 8-bit signed 2's complement displacement used in relative jumps and indexed addressing
L	≡ 8 special call locations in page zero. In decimal notation these are 0, 8, 16, 24, 32, 40, 48 and 56
n	≡ any 8-bit binary number
nn	≡ any 16-bit binary number
r	≡ any 8-bit general purpose register (A, B, C, D, E, H, or L)
s	≡ any 8-bit source register or memory location
sb	≡ a bit in a specific 8-bit register or memory location
ss	≡ any 16-bit source register or memory location
subscript "L" ≡ the low order 8 bits of a 16-bit register	
subscript "H" ≡ the high order 8 bits of a 16-bit register	
() ≡ the contents within the () are to be used as a pointer to a memory location or I/O port number	
8-bit registers are A, B, C, D, E, H, L, I and R	
16-bit register pairs are AF, BC, DE and HL	
16-bit registers are SP, PC, IX and IY	

Addressing Modes implemented include combinations of the following:

Immediate	Indexed
Immediate extended	Register
Modified Page Zero	Implied
Relative	Register Indirect
Extended	Bit

Mnemonic	Symbolic Operation	Comments	
CP s	$A \leftarrow s$	$s = r, n, (HL), (IX+e), (IY+e)$	
INC d	$d \leftarrow d + 1$	$d = r, (HL), (IX+e), (IY+e)$	
DEC d	$d \leftarrow d - 1$	$d = r, (HL), (IX+e), (IY+e)$	
ADD HL, ss	$HL \leftarrow HL + ss$	$ss \equiv BC, DE, HL, SP$	
ADC HL, ss	$HL \leftarrow HL + ss + CY$	$ss \equiv BC, DE, HL, SP$	
SBC HL, ss	$HL \leftarrow HL - ss - CY$	$ss \equiv BC, DE, HL, SP$	
ADD IX, ss	$IX \leftarrow IX + ss$	$ss \equiv BC, DE, IX, SP$	
ADD IY, ss	$IY \leftarrow IY + ss$	$ss \equiv BC, DE, IY, SP$	
INC dd	$dd \leftarrow dd + 1$	$dd \equiv BC, DE, HL, SP, IX, IY$	
DEC dd	$dd \leftarrow dd - 1$	$dd \equiv BC, DE, HL, SP, IX, IY$	
DAA	Converts A contents into packed BCD following add or subtract.	Operands must be in packed BCD format	
CPL	$A \leftarrow \overline{A}$		
NEG	$A \leftarrow 00 - A$		
CCF	$CY \leftarrow \overline{CY}$		
SCF	$CY \leftarrow 1$		
NOP	No operation		
HALT	Halt CPU		
DI	Disable Interrupts		
EI	Enable Interrupts		
IM 0	Set interrupt mode 0	8080A mode	
IM 1	Set interrupt mode 1	Call to 0038H	
IM 2	Set interrupt mode 2	Indirect Call	
RLC s			
RL s			
RRC s			
RR s			
SLA s		$s \equiv r, (HL), (IX+e), (IY+e)$	
SRA s			
SRL s			
RLD			
RRD			
BIT S, R, & T			
SET b, s	$Z \leftarrow \overline{s}$	Z is zero flag	
SET b, s	$s_b \leftarrow 1$	$s \equiv r, (HL), (IX+e), (IY+e)$	
RES b, s	$s_b \leftarrow 0$		
IN A, (n)	$A \leftarrow (n)$		
IN r, (C)	$r \leftarrow (C)$	Set flags	
INJ	$(HL) \leftarrow (C), HL \leftarrow HL + 1$		
INJR	$(HL) \leftarrow (C), HL \leftarrow HL + 1$		
IND	$B \leftarrow B - 1$		
INDR	$(HL) \leftarrow (C), HL \leftarrow HL - 1$		
OUT(n), A	$(n) \leftarrow A$		
OUT(C), r	$(C) \leftarrow (HL), HL \leftarrow HL + 1$		
OTIR	$(C) \leftarrow (HL), HL \leftarrow HL + 1$		
OUTD	$B \leftarrow B - 1$		
OTDR	$(C) \leftarrow (HL), HL \leftarrow HL - 1$		
GP ACC, & FLAG			
JUMPS			
JP nn	$PC \leftarrow nn$		
JP cc, nn	If condition cc is true $PC \leftarrow nn$, else continue	cc	
JR e	$PC \leftarrow PC + e$		
JR kk, e	If condition kk is true $PC \leftarrow PC + e$, else continue	kk	
JP (ss)	$PC \leftarrow ss$		
DJNZ e	$B \leftarrow B - 1$, if $B = 0$ continue, else $PC \leftarrow PC + e$	ss = HL, IX, IY	
CALS			
CALL nn	$(SP-1) \leftarrow PC_H$ $(SP-2) \leftarrow PC_L, PC \leftarrow nn$		
CALL cc, nn	If condition cc is false continue, else same as CALL nn	cc	
RESTS			
RST-L	$(SP-1) \leftarrow PC_H$ $(SP-2) \leftarrow PC_L, PC_H \leftarrow 0$ $PC_L \leftarrow L$		
RET	$PC_L \leftarrow (SP)$ $PC_H \leftarrow (SP+1)$		
RET cc	If condition cc is false continue, else same as RET	cc	
RETI	Return from interrupt, same as RET		
RETN	Return from non-maskable interrupt		

Table 5-1. Z80 Instruction Summary.

ADD	; add register to acc
ADC	; add register to acc with carry
AND	; AND register with acc - s
BIT 0	; test bit 0 - u
BIT 1	; test bit 1 - u
BIT 2	; test bit 2 - u
BIT 3	; test bit 3 - u
BIT 4	; test bit 4 - u
BIT 5	; test bit 5 - u
BIT 6	; test bit 6 - u
BIT 7	; test bit 7 - u
EQU	; assembly time equivalence
CP(A)	; compare register with acc - s
DEC	; decrement register - s
INC	; increment register - s
IN (C)	; input to register - u
LD A	; load acc with register - s
LD B	; load B with register - s
LD C	; load C with register - s
LD D	; load D with register - s
LD E	; load E with register - s
LD H	; load H with register - s
LD L	; load L with register - s
LD (HL)	; load H,L with register - s
LD (IX+d)	; load IX + d with register - u
LD (IY+d)	; load IY+d with register - u
OR	; OR register with acc - s
OUT (C)	; output register - u
RES 0	; reset bit 0 - u
RES 1	; reset bit 1 - u
RES 2	; reset bit 2 - u
RES 3	; reset bit 3 - u
RES 4	; reset bit 4 - u
RES 5	; reset bit 5 - u
RES 6	; reset bit 6 - u
RES 7	; reset bit 7 - u
RL	; rotate left circular - u
RR	; rotate right - u
RCR	; rotate right circular - u
SBC	; subtract register from acc with borrow - s
SET 0	; set bit 0 - u
SET 1	; set bit 1 - u
SET 2	; set bit 2 - u
SET 3	; set bit 3 - u
SET 4	; set bit 4 - u
SET 5	; set bit 5 - u
SET 6	; set bit 6 - u
SET 7	; set bit 7 - u
SLA	; shift left arithmetic - u
SRA	; shift right arithmetic - u
SRL	; shift right logical - u
SUB	; subtract register from acc
XOR	; exclusive OR register with acc - s
ADD HL	; add register pair to H,L - s
ADD IX	; add register pair to IX - u
ADD IY	; add register pair to IY - u
ADC HL	; add register pair to H,L with carry - u
DEC	; decrement register pair - s

Table 5-1 cont.

INC	; increment register pair - s
LD A, (r)	; load acc-register pair indirect
LD (r),A	; store acc indirect - u
LXI	; load register pair immediate
POP	; pop register pair from stack
PUSH	; push register pair on stack
LD r, (n)	; load register pair from memory - s
LD (n),r	; store register pair in memory - s
LD	; load, D,E with H,L, inc, dec H,L and D,E, dec B,C - u
CP	; compare, inc, dec H,L, dec B,C - u
OUT	; output H,L, inc, dec B - u
IN	; input to H,L inc, dec H,L, dec B - u
RST	; restart call to I * 8
CALL	; call subroutine if condition met
JP	; jump if condition met - s
JR	; jump relative if condition met - u
RET	; return if condition met
CCF	; complement carry - s
CPL	; ones complement acc - s
DAA	; decimal adjust acc
DI	; disable interrupts
DNZ	; decrement B, jump if B<0 - u
EI	; enable interrupts
EX DE, HL	; exchange D,E and H,L - s
EX AF,AF'	; exchange EX AF,AF' - u
EXX	; exchange BCDEHL and BCDEHL' - u
EX (SP),HL	; exchange HL and top of stack - s
EX (SP),IX	; exchange IX and top of stack - u
EX (SP),IY	; exchange IY and top of stack - u
HALT	; halt processor - s
IM0	; interrupt mode 0 - u
IM1	; interrupt mode 1 - u
IM2	; interrupt mode 2 - u
IN	; input to acc
JP (HL)	; jump to H,L address - s
JP (IX)	; jump to IX address - u
JP (IY)	; jump to IY address - u
NEG	; twos complement acc - u
NOP	; no operation
OUT	; output from acc
RETI	; return from interrupt - u
RETN	; return for NMI interrupt - u
RLA	; rotate acc left through carry - s
RRA	; rotate acc right through carry - s
RLCA	; rotate acc left circularly - s
RRCA	; rotate acc right circularly - s
RLD	; rotate left digit - u
RRD	; rotate right digit - u
SCF	; set carry
LD A,I	; load, acc = I, - u
LD A,R	; load, acc = R, - u
LD R,A	; load, R = acc - u
LD I,A	; load, I = acc, - u
LD (N),A	; store acc into memory - s
LD (n)	; load acc from memory - s
LD SP,IX	; load, SP = IX, - u
LD SP,IY	; load, SP = IY, - u
LD SP,HL	; load, SP = HL, - s