

00010 ; ****=
 00020 ; * MALI RACUNAR "GALAKSIJA" *
 00030 ; * VOJA ANTONIC *
 00040 ; * 03.01.1984. *
 00050 ; ****=
 00060
 00070
 00080
 1800 00090 XR EQU 1800H
 1600 00100 RAM EQU 1600H
 28B6 00110 BUF EQU 13B6H+XR
 000B 00120 HOR EQU 11
 0016 00130 HIRAM EQU RAM<-8&0FFH
 2BA8 00140 STACK EQU 13ABH+XR
 2C3A 00150 BASIC EQU 143AH+XR
 2C36 00160 BASPTR EQU BASIC-4
 2C38 00170 BASEND EQU BASIC-2
 2AAC 00180 IXPOS EQU 12ACH+XR
 00190
 0000 F3 00200 DI ;
 0001 97 00210 SUB A ;
 0002 C3DA03 00220 JP Z1BE ;
 0005 DF 00230 ZAREZ RST Z8 ; IF (DE)<>"", GO "WHAT"
 0006 2C 00240 DEFB ; , ELSE RST Z807
 0007 2C 00250 DEFB G08C9-\$-1
 0008 CDB20A 00260 Z807 CALL Z24 ; PRETVORI SLEDECII ASCII NIZ U
 000B C36D0A 00270 JP ZC0B ; INTEGER I SMESTI GA U HL
 000E F3 00280 FAST DI ; FAST FLAG
 000F C9 00290 RET ;
 0010 7C 00300 Z32 LD A,H ; CP HL-DE Z & C FLAGS VALID
 0011 BA 00310 CP D ;
 0012 C0 00320 RET NZ ;
 0013 7D 00330 LD A,L ;
 0014 BB 00340 CP E ;
 0015 C9 00350 RET ;
 0016 FB 00360 SLOW EI ; SLOW FLAG
 0017 C9 00370 RET ;
 0018 E3 00380 Z8 EX (SP),HL ; IF ((SP))=(DE) THEN (SP)=(SP)+2
 0019 CD0501 00390 CALL Z40 ; ELSE (SP)=((SP)+1)+(SP)+2
 001C BE 00400 CP (HL)
 001D C39401 00410 JP Z98
 0020 D9 00420 Z16 EXX ; PRINT CHAR IN A ON SCREEN
 0021 FE20 00430 CP 20H
 0023 CDB509 00440 CALL ZACB
 0026 D9 00450 EXX
 0027 C9 00460 RET
 0028 210000 00470 HL0 LD HL,0
 002B C9 00480 RET
 002C CCCC 00490 ZEB9 DEFW 0CCCCH ; RND CONST
 002E CC7E 00500 DEFW 7ECCH
 0030 F1 00510 Z48 POP AF ; GO NEXT INSTRUCTION
 0031 CD1404 00520 CALL Z8B3
 0034 C38F07 00530 G08C9 JP Z8C9
 0037 1C 00540 NUMBER DEFB 28 ; VERZIJA 28
 00550
 0038 F5 00560 PUSH AF ; INT VIDEO
 0039 C5 00570 PUSH BC
 003A D5 00580 PUSH DE
 003B E5 00590 PUSH HL
 003C 21B02B 00600 LD HL,STACK+B
 003F 3EC0 00610 LD A,0C0H
 0041 96 00620 SUB (HL)
 0042 96 00630 SUB (HL)
 0043 96 00640 SUB (HL)
 0044 5F 00650 LD E,A
 0045 7E 00660 LD A,(HL)

0046 0F	00670	RRCA	
0047 0F	00680	RRCA	
0048 0F	00690	RRCA	
0049 47	00700	LD	B,A
004A B7	00710	OR	A
004B 2800	00720	JR	Z,\$+2
004D 2805	00730	JR	Z,NIJE
004F 35	00740	DEC	(HL)
0050 AF	00750	XOR	A
0051 D8	00760	SPECL	RET
0052 10FD	00770	DJNZ	SPECL
0054 23	00780	NIJE	INC
0055 77	00790	LD	(HL),A
0056 43	00800	LD	B,E
0057 217F20	00810	LD	HL,207FH
005A 4D	00820	LD	C,L
005B 3AA82B	00830	LD	A,(STACK)
005E 1F	00840	RRA	
005F 3800	00850	JR	C,RED
0061 3D	00860	RED	DEC
0062 20FD	00870	JR	NZ,RED
0064 1807	00880	JR	OVER
0066 F3	00890	DI	;
0067 31AB2B	00900	SP1C9	LD SP,STACK
006A C31703	00910	JP	Z1C9
006D 0C	00920	OVER	INC
006E 79	00930	LD	A,C
006F E608	00940	AND	B
0071 0F	00950	RRCA	
0072 0F	00960	RRCA	
0073 0F	00970	RRCA	
0074 F628	00980	OR	28H
0076 ED47	00990	LD	I,A
0078 13	01000	INC	DE
0079 110C08	01010	LD	DE,80CH
007C 79	01020	LD	A,C
007D 0F	01030	RRCA	
007E 0F	01040	RRCA	
007F 0F	01050	RRCA	
0080 3F	01060	CCF	
0081 CB1A	01070	RR	D
0083 F61F	01080	OR	1FH
0085 07	01090	RLCA	
0086 D640	01100	SUB	40H
0088 0F	01110	RRCA	
0089 ED4F	01120	LD	R,A
	01130		
008B 72	01140	LINIJE	LD (HL),D
008C 14	01150	INC	D
008D 14	01160	INC	D
008E 14	01170	INC	D
008F 14	01180	INC	D
0090 AF	01190	XOR	A
0091 37	01200	SCF	
0092 1F	01210	RRA	
0093 1F	01220	RRA	
0094 AA	01230	XOR	D
0095 57	01240	LD	D,A
0096 61	01250	LD	H,C
0097 78	01260	LD	A,B
0098 42	01270	BRK	DEFM 'BREAK' ; OVAJ STRING JE TRANSPA
0099 52			
009A 45			
009B 41			
009C 4B			
009D 00	01280	NOP	

009E 47	01290	LD	B,A
009F 4C	01300	LD	C,H
00A0 0000	01310 ZEB5	DEFW	Ø
00A2 80	01320	ADD	A,B
00A3 00	01330	NOP	
00A4 AF	01340	XOR	A
00A5 37	01350	SCF	
00A6 1F	01360	RRA	
00A7 1F	01370	RRA	+3
00A8 1F	01380	RRA	
00A9 67	01390	LD	H,A
00AA 17	01400	RLA	
00AB 77	01410	LD	(HL),A
00AC 05	01420	DEC	B
00AD 280F	01430	JR	Z, BLK
00AF ED5F	01440	LD	A,R
00B1 D627	01450	SUB	39
00B3 A5	01460	AND	L
00B4 ED4F	01470	LD	R,A
00B6 1D	01480	DEC	E
00B7 C28B00	01490	JP	NZ, LINIJE 10
00BA 3E03	01500	LD	A,3
00BC 18A3	01510	JR	RED
00BE 36BC	01520 BLK	LD	(HL), ØBCH
	01530		
2A80	01540 BSTR	EQU	2A80H ; SAT
00C0 3A822A	01550	LD	A, (BSTR+2)
00C3 FE3A	01560	CP	:
00C5 2034	01570	JR	NZ, NESAT
00C7 3AAF2B	01580	LD	A, (STACK+7)
00CA 07	01590	RLCA	
00CB 302E	01600	JR	NC, NESAT
00CD 218A2A	01610	LD	HL, BSTR+10
00D0 113039	01620	LD	DE, 3930H
00D3 0608	01630	LD	B,B
00D5 7A	01640	LD	A,D
00D6 34	01650	INC	(HL)
00D7 34	01660	INC	(HL)
00D8 BE	01670	CP	(HL)
00D9 1804	01680	JR	OVER1
00DB 34	01690 X7	INC	(HL)
00DC BE	01700	CP	(HL)
00DD 3E35	01710	LD	A,35H
00DF 300A	01720 OVER1	JR	NC, NEOVF
00E1 73	01730	LD	(HL), E
00E2 2B	01740	DEC	HL
00E3 CB40	01750	BIT	Ø,B
00E5 2802	01760	JR	Z,UZ
00E7 2B	01770	DEC	HL
00E8 7A	01780	LD	A,D
00E9 10F0	01790 UZ	DJNZ	X7
00EB 05	01800 NEOVF	DEC	B
00EC 100D	01810	DJNZ	NESAT
00EE 7E	01820	LD	A, (HL)
00EF FE34	01830	CP	34H
00F1 3808	01840	JR	C, NESAT
00F3 2B	01850	DEC	HL
00F4 CB4E	01860	BIT	1, (HL)
00F6 2803	01870	JR	Z, NESAT
00F8 73	01880	LD	(HL), E
00F9 23	01890	INC	HL
00FA 73	01900	LD	(HL), E
00FB FDE9	01910 NESAT	JP	(IY)
	01920		
00FD E1	01930 LINK3	POP	HL
00FE D1	01940	POP	DE

00FF	C1	01950	FOP	BC
0100	F1	01960	POP	AF
0101	FB	01970	EI	
0102	ED4D	01980	RETI	
		01990		
0104	13	02000 NOV40	INC	DE
0105	1A	02010 Z40	LD	A, (DE)
0106	FE20	02020	CP	20H
0108	28FA	02030	JR	Z, NOV40
010A	C9	02040	RET	
		02050		
010B		02060 DIM	EQU	\$
010B	23	02070	INC	HL
010C	AF	02080	XOR	A
010D	CDF30D	02090	CALL	HLX4
0110	22992A	02100	LD	(2A99H), HL
0113	F7	02110	RST	Z48
0114	CF	02120 STRMAT	RST	Z807
0115	23	02130	INC	HL
0116	AF	02140	XOR	A
0117	CDF30D	02150	CALL	HLX4
011A	D5	02160	PUSH	DE
011B	ED5B992A	02170	LD	DE, (2A99H)
011F	13	02180	INC	DE
0120	D7	02190	RST	Z32
0121	3031	02200	JR	NC, SORRY2
0123	1821	02210	JR	Z51
0125	CD0501	02220 Z56	CALL	Z40 ← LOCIRAJ VARIJABLJ CY = NEMA VAR.
0128	D641	02230	SUB	41H
012A	D8	02240	RET	C
012B	FE1A	02250	CP	1AH
012D	3F	02260	CCF	
012E	D8	02270	RET	C
012F	13	02280	INC	DE
0130	A7	02290	AND	A
0131	202B	02300	JR	NZ, Z82
0133	DF	02310	RST	Z8
0134	28	02320	DEFB	28H
0135	27	02330	DEFB	Z81-\$-1
0136	CF	02340	RST	Z807
0137	23	02350	INC	HL
0138	29	02360	ADD	HL, HL
0139	29	02370	ADD	HL, HL
013A	D5	02380	PUSH	DE
013B	3817	02390	JR	C, SORRY2
013D	ED5B992A	02400	LD	DE, (2A99H)
0141	19	02410	ADD	HL, DE
0142	D1	02420	POP	DE
0143	D5	02430	PUSH	DE
0144	380D	02440	JR	C, SORRY
0146	D1	02450 Z51	POP	DE
0147	DF	02460	RST	Z8
0148	29	02470	DEFB	29H
0149	09	02480	DEFB	SORRY-\$-1
014A	D5	02490	PUSH	DE
014B	EB	02500	EX	DE, HL
014C	CD8301	02510	CALL	X825
014F	D7	02520	RST	Z32
0150	3036	02530	JR	NC, X82A
0152	3E	02540	DEFB	3EH
0153	D5	02550 SORRY	PUSH	DE ; SORRY ENTRY PT,
0154	CD9907	02560 SORRY2	CALL	Z8CD ; SORRY
0157	53	02570	DEFM	'SORRY'
0158	4F			
0159	52			
015A	52			

015B 59				
015C 0D	02580	DEFB	0DH	
	02590			
015D AF	02600 Z81	XOR	A	
015E 262A	02610 Z82	LD	H,2AH	
0160 17	02620	RLA		
0161 17	02630	RLA		
0162 6F	02640	LD	L,A	
0163 AF	02650	XOR	A	
0164 C9	02660	RET		
0165 CD7201	02670 HEXCIF	CALL	Z8C	
0168 D0	02680	RET	NC	
0169 FE41	02690	CP	41H	
016B D8	02700	RET	C	
016C C609	02710	ADD	A,9	
016E FE50	02720	CP	50H	
0170 1806	02730	JR	ASK4	
0172 1A	02740 Z8C	LD	A,(DE)	
0173 FE30	02750	CP	30H	
0175 D8	02760	RET	C	
0176 FE3A	02770	CP	3AH	
0178 3F	02780 ASK4	CCF		
0179 D8	02790	RET	C	
017A 13	02800	INC	DE	
017B E60F	02810 SKRS	AND	0FH	
017D C9	02820	RET		
	02830			
017E 77	02840 STRSUB	LD	(HL),A	
017F 23	02850 SKRASC	INC	HL	
0180 7D	02860	LD	A,L	
0181 18FB	02870	JR	SKRS	
	02880			
0183 D5	02890 X825	PUSH	DE	
0184 ED5B382C	02900	LD	DE,(BASEND)	
0188 2A6A2A	02910 X82A	LD	HL,(2A6AH)	
018B 7D	02920	LD	A,L	
018C E6F0	02930	AND	0F0H	
018E 6F	02940	LD	L,A	
018F ED52	02950	SBC	HL,DE	
0191 D1	02960	POP	DE	
0192 AF	02970	XOR	A	
0193 C9	02980	RET		
	02990			
0194 23	03000 Z98	INC	HL	
0195 2807	03010	JR	Z,ZA2	
0197 C5	03020	PUSH	BC	
0198 4E	03030	LD	C,(HL)	
0199 0600	03040	LD	B,0	
019B 09	03050	ADD	HL,BC	
019C C1	03060	POP	BC	
019D 1B	03070	DEC	DE	
019E 13	03080 ZA2	INC	DE	
019F 23	03090	INC	HL	
01A0 E3	03100	EX	(SP),HL	
01A1 C9	03110	RET		
01A2 CD4802	03120 ZA6	CALL	Z155 ← FP konwertaja	
01A5 0600	03130	LD	B,0	
01A7 48	03140	LD	C,B	
01AB CD0501	03150	CALL	Z40	
01AB CDB001	03160 ZAD	CALL	ZB2	
01AE 18FB	03170	JR	ZAD	
01B0 CD7201	03180 ZB2	CALL	Z8C	
01B3 3820	03190	JR	C,ZD7	
01B5 CBF0	03200	SET	6,B	
01B7 CB78	03210	BIT	7,B	
01B9 2015	03220	JR	NZ,ZD2	

01BB	CDC301	03230	CALL	ZCS
01BE	CB40	03240	BIT	0,B
01C0	C8	03250	RET	Z
01C1	0D	03260	DEC	C
01C2	C9	03270	RET	
01C3	CD4F02	03280 ZCS	CALL	Z15E
01C6	C8	03290	RET	Z
01C7	D9	03300	EXX	
01C8	62	03310	LD	H,D
01C9	6B	03320	LD	L,E
01CA	0B	03330	EX	AF,AF
01CB	4F	03340	LD	C,A
01CC	D9	03350	EXX	
01CD	CBF8	03360	SET	7,B
01CF	F1	03370	POP	AF
01D0	CB40	03380 ZD2	BIT	0,B
01D2	C0	03390	RET	NZ
01D3	0C	03400	INC	C
01D4	C9	03410	RET	
01D5	DF	03420 ZD7	RST	Z8
01D6	2E	03430	DEFB	2EH
01D7	05	03440	DEFB	ZDF-\$-1
01DB	CB40	03450	BIT	0,B
01DA	CBC0	03460	SET	0,B
01DC	C8	03470	RET	Z
01DD	F1	03480 ZDF	POP	AF
01DE	CB70	03490	BIT	6,B
01E0	C8	03500	RET	Z
01E1	211800	03510	LD	HL,18H
01E4	C5	03520	PUSH	BC
01E5	D5	03530	PUSH	DE
01E6	D9	03540	EXX	
01E7	CD1409	03550	CALL	ZE10IX
01EA	D1	03560	POP	DE
01EB	01F301	03570	LD	BC,ZFB
01EE	C5	03580	PUSH	BC
01EF	D5	03590	PUSH	DE
01F0	C36D0B	03600	JP	ZD0F
01F3	C1	03610 ZFB	POP	BC
01F4	D5	03620	PUSH	DE
01F5	DF	03630	RST	Z8
01F6	45	03640	DEFB	45H
01F7	1B	03650	DEFB	Z11C-\$-1
01F8	DF	03660	RST	Z8
01F9	2B	03670	DEFB	2BH
01FA	02	03680	DEFB	2
01FB	1805	03690	JR	Z10A
01FD	DF	03700	RST	Z8
01FE	2D	03710	DEFB	2DH
01FF	02	03720	DEFB	2
0200	CBC8	03730	SET	1,B
0202	CD4A02	03740 Z10A	CALL	Z157
0205	CD7201	03750 Z10D	CALL	Z8C
0208	380D	03760	JR	C,Z120
020A	CBE8	03770	SET	5,B
020C	CD4F02	03780	CALL	Z15E
020F	2014	03790	JR	NZ,Z12E
0211	18F2	03800	JR	Z10D
0213	D1	03810 Z11C	POP	DE
0214	AF	03820	XOR	A
0215	1817	03830	JR	Z137
0217	CB68	03840 Z120	BIT	5,B
0219	28F8	03850	JR	Z,Z11C
021B	F1	03860	POP	AF
021C	D9	03870	EXX	
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	NZ,Z1A2
0228	CB48	03950	BIT	1,B	
022A	2802	03960	JR	Z,Z137	
022C	ED44	03970	NEG		
022E	81	03980	Z137	ADD	A,C
022F	A7	03990	Z138	AND	A
0230	2813	04000		JR	Z,Z14E
0232	CB7F	04010	Z13B	BIT	7,A
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	A
023E	F5	04080		PUSH	AF
023F	CDE30A	04090		CALL	ZC84
0242	F1	04100	Z14B	POP	AF
0243	18EA	04110		JR	Z138
0245	CB70	04120	Z14E	BIT	6,B
0247	C9	04130		RET	
0248	CBB0	04140	Z155	RES	6,B
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	AF,AF'
0250	D9	04210		EXX	
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	LD	E,L
027E 54	04600	LD	D,H
027F 13	04610 ERASE	INC	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	LD	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	LD	A,(HL)
0293 FE0D	04750	CP	0DH
0295 2818	04760	JR	Z,OPET
0297 1851	04770	JR	INCOP
0299 CDD30C	04780 EDIT	CALL	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	DE,2800H
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 2871	04970	JR	Z,IZLAZ1
02CB B7	04980	OR	A
02CC 28AF	04990	JR	Z,BRISI -
02CE FE1D	05000	CP	1DH
02D0 28B8	05010	JR	Z,BKSP
02D2 FE1E	05020	CP	1EH
02D4 28BC	05030	JR	Z,ADV
02D6 38D7	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	DEC	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	INC	HL
02EB 18C2	05200	JR	OPET

	05210			
02ED 3A682A	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 C4ED08	05430	CALL	NZ, X96D	
	05440			
0317	05450 Z1C9	EQU	\$	
0317 FB	05460	EI		
0318 CDED02	05470	CALL	IFNR	
031B 11070F	05480	LD	DE, Z1AE	
031E CD3709	05490	CALL	Z94F	
0321 EF	05500 Z1DB8	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 CA8C03	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 CD1108	05840	CALL	Z945	
035C C1	05850	POP	BC	
035D 2A382C	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 2A382C	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 IZRAZ U (
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
03BB 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 CBB4	06570	RES	6,H	
03D3 E5	06580	PUSH	HL	
03D4 C46A0A	06590	CALL	NZ,Z814	
03D7 C3A92B	06600	JP	STACK+1	; LINK
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	BU6 ; NEW (call 10004)
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 Z883	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 sledeci iraz 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	CALL	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	\$ <u> </u>
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,
049B 2E60	07720 Z45E	LD	L,96 ; Y\$
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 2806	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	DEFB	Z48D-\$-1
04B0 3A682A	07860	LD	A,(2A68H)
04B3 E607	07870	AND	07H
04B5 2817	07880	JR	Z,Z490
04B7 3E20	07890	LD	A,20H
04B9 E7	07900	RST	Z16
04BA 18F4	07910	JR	Z467
04BC CF	07920	Z473	RST
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	ZCH
04C8 02	08000	DEFB	Z
04C9 1803	08010	JR	Z490
04CB DF	08020	Z48D	RST
04CC 3B	08030	DEFB	ZBH
04CD 13	08040	DEFB	Z495-\$-1
04CE CD1404	08050	Z490	CALL
04D1 2EE0	08060	Z44C	LD
04D3 C39803	08070	JP	Z343
04D6 CDD30C	08080	HOME	CALL
04D9 226C2A	08090	LD	(2A6CH),HL
04DC 2006	08100	JR	NZ,SKRSC
04DE 3E0C	08110	Z4B5	LD
04E0 01	08120	DEFB	A,0CH
04E1 3E0D	08130	Z495	LD
04E3 E7	08140	RST	A,0DH
04E4 F7	08150	SKRSC	Z16
04E5 CD9603	08160	Z499	RST
04E8 2007	08170	CALL	IFCHR
04EA CDB20A	08180	JR	NZ,DACHR
04ED CDF608	08190	CALL	Z24
04F0 3E	08200	DEFB	CALL
04F1 E7	08210	DACHR	3EH ; DUMMY LD A,
04F2 18B9	08220	RST	Z16
04F4 CD7409	08230	Z4C4	JR
04F7 CF	08240	CALL	Z464
04F8 D5	08250	Z4CA	LD
04F9 CDF207	08260	PUSH	Z807 ; CALL
04FC C25B06	08270	CALL	DE
04FF 2A9F2A	08280	JP	Z92A
0502 E5	08290	LD	NZ,Z1A3
0503 2AA32A	08300	PUSH	HL,(409FH-RAM)
0506 E5	08310	LD	HL
0507 EF	08320	PUSH	HL,(40A3H-RAM)
0508 22A12A	08330	RST	HL
050B 37	08340	LD	(40A1H-RAM),HL
050C 22A32A	08350	ADD	HL,SP
050F C32704	08360	LD	(40A3H-RAM),HL
0512	08370	JP	Z39C
0512 2AA32A	08380	Z4E6	JP ; RETURN
0515 7C	08390	EQU	HL,(40A3H-RAM)
0516 B5	08400	LD	A,H
0517 CA5A06	08410	OR	L
051A F9	08420	JP	Z,Z1A2
051B E1	08430	LD	SP,HL
051C 22A32A	08440	POP	HL
051F E1	08450	LD	(40A3H-RAM),HL
0520 229F2A	08460	POP	HL
0523 D1	08470	LD	(409FH-RAM),HL
0524 CD5909	08480	Z5F2	POP
0527 F7	08490	CALL	DE
	08500	RST	ZAB4
			Z4B

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		
055A 19	08840	ADD	HL, DE		
055B CD4C09	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 CDBB07	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		
057B 2A9B2A	09020	LD	HL, (409BH-RAM)		
057E 18EA	09030	JR	Z5AA		
0580 CD450A	09040 Z5C0	CALL	ZBC3		
0583 CD6D0A	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 CDBC0A	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	
059C 3001	09180	JR	NC, Z5E0
059E EB	09190	EX	DE, HL
059F 7C	09200	Z5E0	LD A, H
05A0 AA	09210	XOR	D
05A1 F2A505	09220	JP	P, Z5E6
05A4 EB	09230	EX	DE, HL
05A5 D7	09240	Z5E6	RST Z32
05A6 D1	09250	POP	DE
05A7 DA2405	09260	JP	C, Z5F2
05AA 2A932A	09270	LD	HL, (4093H-RAM)
05AD 229F2A	09280	LD	(409FH-RAM), HL
05B0 18AD	09290	JR	Z5E
	09300		
05B2 CA3607	09310	Z654	JP Z, ZBAE
05B5 E5	09320	AGN	PUSH HL ; PRIMA STRING
05B6 CD0C05	09330	CALL	Z694
05B9 380F	09340	JR	C, NES
05BB 2825	09350	JR	Z, CM
05BD E3	09360	EX	(SP), HL
05BE C1	09370	POP	BC
05BF 0A	09380	TRANS	LD A, (BC)
05C0 B7	09390	OR	A
05C1 282A	09400	JR	Z, NULE2
05C3 03	09410	INC	BC
05C4 CD7E01	09420	CALL	STRSUB
05C7 20F6	09430	JR	NZ, TRANS
05C9 C9	09440	RET	
05CA E1	09450	NES	POP HL
05CB DF	09460	RST	Z8
05CC 22	09470	DEFB	" "
05CD 00	09480	DEFB	0
05CE CDD905	09490	NENAV	CALL X68A
05D1 281A	09500	JR	Z, NULE2
05D3 13	09510	INC	DE
05D4 CD7E01	09520	CALL	STRSUB
05D7 20F5	09530	JR	NZ, NENAV
05D9 1A	09540	X68A	LD A, (DE)
05DA FE0D	09550	CP	0DH ; CR
05DC C8	09560	RET	Z
05DD FE22	09570	CP	22H ; "
05DF C0	09580	RET	NZ
05E0 13	09590	INC	DE
05E1 C9	09600	RET	
05E2 1B	09610	CM	DEC DE
05E3 CD9603	09620	CALL	IFCHR
05E6 28E2	09630	JR	Z, NES
05E8 E1	09640	CH	POP HL
05E9 CD7E01	09650	CALL	STRSUB
05EC C8	09660	RET	Z
05ED DF	09670	NULE2	RST Z8
05EE 2B	09680	DEFB	'+'
05EF 02	09690	DEFB	NULE-\$-1
05F0 18C3	09700	JR	AGN
05F2 3600	09710	NULE	LD (HL), 0
05F4 CD7F01	09720	ASC0	SKRASC
05F7 C8	09730	RET	Z
05F8 3630	09740	LD	(HL), 30H
05FA 18F8	09750	JR	ASC0
05FC CD2501	09760	Z694	CALL Z56 ←
05FF D8	09770	RET	C
0600 1B	09780	DEC	DE
0601 1A	09790	LD	A, (DE)
0602 13	09800	INC	DE
0603 FE29	09810	CP	29H
0605 C8	09820	RET	Z

LOCIRAJ VARIJABLJU

CY = NEMA VAR.

A \neq 0 Z = NUMERIČKA

A \neq 0 NZ = STRING

0606 1A	09830	LD	A,(DE)
0607 FE24	09840	CP	24H
0609 2802	09850	JR	Z,Z6A3
060B AF	09860 Z749	XOR	A
060C C9	09870	RET	
060D 13	09880 Z6A3	INC	DE
060E 7D	09890 Z6A4	LD	A,L
060F D65C	09900	SUB	92
0611 200A	09910	JR	NZ,BS
0613 2E70	09920	LD	L,70H
0615 DF	09930	RST	Z8
0616 28	09940	DEFB	' '
0617 03	09950	DEFB	3
0618 CD1401	09960	CALL	STRMAT
061B B4	09970	OR	H
061C C9	09980	RET	
061D FE07	09990 BS	CP	7
061F D28F07	10000	JP	NC,Z8C9 ; WHAT?
0622 2EB0	10010	LD	L,80H
0624 B4	10020	OR	H
0625 C9	10030	RET	
	10040		
0626 CDFC05	10050 TAKE	CALL	Z694
0629 3838	10060	JR	C,CIFRE
062B D5	10070	PUSH	DE
062C F5	10080	PUSH	AF
062D E5	10090	PUSH	HL
062E ED5B9D2A	10100	LD	DE,(2A9DH)
0632 2A382C	10110	LD	HL,(BASEND)
0635 DF	10120 SRCHT	RST	Z8
0636 23	10130	DEFB	'#'
0637 02	10140	DEFB	NETAR1-\$-1
0638 1803	10150	JR	FOUNDT
063A DF	10160 NETAR1	RST	Z8
063B 2C	10170	DEFB	' ,'
063C 0F	10180	DEFB	NETAR-\$-1
063D E1	10190 FOUNDT	POP	HL
063E F1	10200	POP	AF
063F CDB205	10210	CALL	Z654
0642 ED539D2A	10220 SKRT	LD	(2A9DH),DE
0646 D1	10230	POP	DE
0647 DF	10240	RST	Z8
0648 2C	10250	DEFB	' ,'
0649 43	10260	DEFB	SEE4B-\$-1
064A 18DA	10270	JR	TAKE
064C 1A	10280 NETAR	LD	A,(DE)
064D 13	10290	INC	DE
064E FE0D	10300	CP	0DH
0650 20FA	10310	JR	NZ,NETAR
0652 13	10320	INC	DE
0653 13	10330	INC	DE
0654 D7	10340	RST	Z32
0655 30DE	10350	JR	NC,SRCHT
0657 E1	10360	POP	HL
0658 F1	10370 Z745	POP	AF
0659 0E	10380	DEFB	0EH ; DUMMY LD C,
065A D5	10390 Z1A2	PUSH	DE ; HOW? ENTRY PT
065B CD9907	10400 Z1A3	CALL	Z8CD
065E 48	10410	DEFM	'HOW?'
065F 4F			
0660 57			
0661 3F			
0662 0D	10420	DEFB	0DH
	10430		
0663 CF	10440 CIFRE	RST	Z807
0664 D5	10450	PUSH	DE

0665 CDF207	10460	CALL	Z92A
0668 13	10470	INC	DE
0669 13	10480	INC	DE
066A 18D6	10490	JR	SKRT
	10500		
	10510		
066C	10520	Z623	EQU \$; INPUT
066C D5	10530	PUSH	DE
066D 3E3F	10540	LD	A,3FH
066F CDBD07	10550	CALL	Z8FC
0672 11B62B	10560	LD	DE,BUF
0675 DF	10570	RST	Z8
0676 0D	10580	DEFB	0DH
0677 05	10590	DEFB	INPOK-\$-1
0678 D1	10600	POP	DE
0679 CDFC05	10610	CALL	Z694
067C F7	10620	RST	Z48
067D D1	10630	INPOK	POP DE
067E D5	10640	PUSH	DE
067F CDFC05	10650	Z6D4	CALL Z694
0682 38D7	10660	JR	C,Z1A3
0684 D5	10670	PUSH	DE
0685 11B62B	10680	LD	DE,BUF
0688 CDB205	10690	CALL	Z654
068B D1	10700	POP	DE
068C F1	10710	POP	AF
068D F7	10720	SEE48	RST Z48
	10730		
	10740		
	10750		
068E DF	10760	Z7AD	RST Z8
068F 2D	10770	DEFB	2DH
0690 06	10780	DEFB	Z7B8-\$-1
0691 EF	10790	RST	HL0
0692 CDBC0A	10800	CALL	ZC59 (IX) ← HL
0695 1814	10810	JR	Z7CC
0697 DF	10820	Z7B8	RST Z8 ← 2BH
0698 2B	10830	DEFB	2BH
0699 00	10840	DEFB	0
069A CDB306	10850	CALL	Z7D4
069D DF	10860	Z7BE	RST Z8 ← 2BH
069E 2B	10870	DEFB	2BH
069F 08	10880	DEFB	Z7C9-\$-1
06A0 CDB306	10890	CALL	Z7D4
06A3 CD320B	10900	+ CALL	ZCD3
06A6 18F5	10910	JR	Z7BE
06A8 DF	10920	Z7C9	RST Z8 ← 2DH
06A9 2D	10930	DEFB	2DH
06AA DF	10940	DEFB	Z803-\$-1
06AB CDB306	10950	Z7CC	CALL Z7D4 ← credit *
06AE CD1E0B	10960	- CALL	ZCBF FP
06B1 18EA	10970	JR	Z7BE
06B3 CD9303	10980	Z7D4	CALL Z7ED (STAV IZRAZ u (IX))
06B6 DF	10990	Z7D7	RST Z8 ← 2AH
06B7 2A	11000	DEFB	Z7E2-\$-1
06B8 08	11010	DEFB	*
06B9 CD9303	11020	CALL	Z7ED
06BC CDE60A	11030	* CALL	ZC87
06BF 18F5	11040	JR	Z7D7
06C1 DF	11050	Z7E2	RST Z8
06C2 2F	11060	DEFB	2FH
06C3 C6	11070	DEFB	Z803-\$-1
06C4 CD9303	11080	CALL	Z7ED
06C7 CDF70A	11090	/ CALL	ZC98
06CA 18EA	11100	JR	Z7D7
	11110		

DRET

06CC 3E01	11120 Z838	LD	A,1	UNDOT
06CE 01	11130	DEFB	1	DUMMY LD BC,
06CF 3E80	11140 Z83C	LD	A,80H	DOT
06D1 F5	11150	PUSH	AF	
06D2 DF	11160	RST	Z8	
06D3 2A	11170	DEFB	'*	
06D4 05	11180	DEFB	NOCLK-\$-1	
06D5 F1	11190	POP	AF	
06D6 32AF2B	11200	LD	(STACK+7),A	
06D9 F7	11210	RST	Z48	
06DA F1	11220 NOCLK	POP	AF	
06DB 06	11230	DEFB	6	DUMMY LD B,
06DC AF	11240 Z840	XOR	A	IF DOT
06DD A7	11250	AND	A	
06DE F5	11260	PUSH	AF	
06DF CF	11270	RST	Z807	
06E0 E5	11280	PUSH	HL	
06E1 CD0500	11290	CALL	ZAREZ	
06E4 D5	11300	PUSH	DE	
06E5 EB	11310 CONTXY	EX	DE,HL	
06E6 012000	11320	LD	BC,20H	
06E9 1C	11330	INC	E	
06EA 210028	11340	LD	HL,2800H	
06ED 1603	11350 GOY	LD	D,3	
06EF 3E01	11360	LD	A,1	
06F1 1D	11370 Y3	DEC	E	
06F2 280A	11380	JR	Z,GOTY	
06F4 07	11390	RLCA		
06F5 07	11400	RLCA		
06F6 15	11410	DEC	D	
06F7 20F8	11420	JR	NZ,Y3	
06F9 09	11430	ADD	HL,BC	
06FA CB8C	11440	RES	1,H	
06FC 18EF	11450	JR	GOY	
06FE 47	11460 GOTY	LD	B,A	
06FF D1	11470	POP	DE	
0700 E3	11480	EX	(SP),HL	
0701 CBBB	11490	RES	7,L	
0703 CBB5	11500	RES	6,L	
0705 CB3D	11510	SRL	L	
0707 3001	11520	JR	NC,PARNI	
0709 07	11530	RLCA		
070A 2600	11540 PARNI	LD	H,0	
070C C1	11550	POP	BC	
070D 09	11560	ADD	HL,BC	
070E 47	11570	LD	B,A	
070F F1	11580	POP	AF	
0710 78	11590	LD	A,B	
0711 200C	11600	JR	NZ,SETRES,	
0713 CB7E	11610	BIT	7,(HL)	
0715 2801	11620	JR	Z,NISTA	
0717 A6	11630	AND	(HL)	
0718 EF	11640 NISTA	RST	HL0	
0719 2801	11650	JR	Z,OSTA0	
071B 23	11660	INC	HL	
071C C3BC0A	11670 OSTA0	JP	ZC59	
071F F5	11680 SETRES	PUSH	AF	
0720 CB7E	11690	BIT	7,(HL)	
0722 2002	11700	JR	NZ,SR	
0724 3680	11710	LD	(HL),80H	
0726 F1	11720 SR	POP	AF	
0727 FA2D07	11730	JP	M,SETXY	
072A 2F	11740	CPL		
072B A6	11750	AND	(HL)	
072C 06	11760	DEFB	6	; LD B,
072D B6	11770 SETXY	OR	(HL)	

072E 77	11780	LD	(HL), A
072F F7	11790	RST	Z48
	11800		
	11810		
0730 CD8B07	11820 Z8AB	CALL	IF56
0733 DF	11830	RST	Z8
0734 3D	11840	DEFB	3DH
0735 59	11850	DEFB	Z8C9-\$-1
0736 E5	11860 Z8AE	PUSH	HL ← smjesti sledeći izraz u (HL)
0737 CDB20A	11870	CALL	Z24
073A E1	11880 Z8EB	POP	HL
073B CD0E09	11890 ZBE9	CALL	IXFFF8 ← smjesti (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 DD05	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 Z6B3	EQU	\$ ← zadnja šansa : KAO LET
075B CD0C05	12120	CALL	Z694 LOCIRAJ VARIJABLJU
075E 3808	12130	JR	C, GOT048
0760 F5	12140	[PUSH	AF
0761 DF	12150	RST	Z8
0762 3D	12160	DEFB	3DH =
0763 2B	12170	DEFB	Z8C9-\$-1
0764 F1	12180	POP	AF
0765 CDB205	12190	CALL	Z654 PRENESI sledeći izraz u (HL)
0768 F7	12200 GOT048	RST	Z48 ← NORMALIZOVANO
	12210		
0769 62	12220 PTR	LD	H, D
076A 6B	12230	LD	L, E
076B CD0C05	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 NJ je BPD
077D CDA201	12350	CALL	ZA6 FP konvergencija
0780 C0	12360	RET	NZ
0781 DF	12370 Z7FC	RST	Z8
0782 28	12380	DEFB	28H
0783 0B	12390	DEFB	Z8C9-\$-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 Z803	RET	
	12450		
	12460		
078B CD2501	12470 IF56	CALL	Z56
078E D0	12480	RET	NC AKONI ^l l BROJ
078F D5	12490 ZBC9	PUSH	DE ; WHAT? ENTRY PT
0790 CD9907	12500 Z8CA	CALL	Z8CD
0793 57	12510	DEFM	'WHAT?'
0794 48			
0795 41			
0796 54			
0797 3F			
0798 0D	12520	DEFB	0DH
0799 D1	12530 Z8CD	POP	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	EQU	\$
07A3 211703	12590	LD	HL,Z1C9
07A6 E3	12600	EX	(SP),HL
07A7 C8	12610	RET	Z
07A8 D7	12620	RST	Z32
07A9 D8	12630	RET	C
07AA 4E	12640	LD	C,(HL)
07AB C5	12650	PUSH	BC
07AC 3600	12660	LD	(HL),0
07AE E5	12670	PUSH	HL
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 Z8FA	LD	A,3EH
07BD 11B62B	12800 Z8FC	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,Z8FA
07D9 FE20	12960	CP	20H
07DB 38E8	12970	JR	C,Z900
07DD 12	12980 Z915	LD	(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&OFFH
07E5 20DE	13040	JR	NZ,Z900
07E7 3E1D	13050	LD	A,1DH

07E9 E7	13060	RST	Z16
07EA 7B	13070 Z922	LD	A,E
07EB FEB6	13080	CP	BUF&0FFH
07ED 28CC	13090	JR	Z,Z8FA
07EF 1B	13100	DEC	DE
07F0 18CF	13110	JR	Z900X
	13120		
	13130		
07F2 ED5B362C	13140 Z92A	LD	DE,(BASPTR)
07F6 E5	13150 Z92D	PUSH	HL ←
07F7 2A362C	13160	LD	HL,(BASPTR)
07FA 2B	13170	DEC	HL
07FB D7	13180	RST	Z32
07FC D21703	13190	JP	NC,Z1C9
07FF 2A382C	13200	LD	HL,(BASEND)
0802 2B	13210	DEC	HL
0803 D7	13220	RST	Z32
0804 E1	13230	POP	HL
0805 D8	13240	RET	C
0806 1A	13250	LD	A,(DE)
0807 95	13260	SUB	L
0808 47	13270	LD	B,A
0809 13	13280	INC	DE
080A 1A	13290	LD	A,(DE)
080B 9C	13300	SBC	A,H
080C 3804	13310	JR	C,Z946
080E 1B	13320	DEC	DE
080F B0	13330	OR	B
0810 C9	13340	RET	
	13350		
	13360		
0811 13	13370 Z945	INC	DE
0812 13	13380 Z946	INC	DE ←
0813 1A	13390 Z947	LD	A,(DE)
0814 FE0D	13400	CP	0DH
0816 20FA	13410	JR	NZ,Z946
0818 13	13420 YES0D	INC	DE ←
0819 1BDB	13430	JR	Z92D
	13440		
081B 13	13450 NOTE0D	INC	DE
081C 1A	13460 X947	LD	A,(DE)
081D EF	13470	RST	HL0
081E FE0D	13480	CP	0DH
0820 28F6	13490	JR	Z,YES0D
0822 FE21	13500	CP	"
0824 28EC	13510	JR	Z,Z946 -
0826 FE22	13520	CP	"
0828 200A	13530	JR	NZ,IGN
082A 13	13540 GONAV	INC	DE
082B 1A	13550	LD	A,(DE)
082C FE0D	13560	CP	0DH
082E 28E8	13570	JR	Z,YES0D
0830 FE22	13580	CP	"
0832 20F6	13590	JR	NZ,GONAV
0834 FE45	13600 IGN	CP	'E'
0836 20E3	13610	JR	NZ,NOTE0D
0838 2EF6	13620	LD	L,XELSE&0FFH-1
083A C39803	13630	JP	Z343
	13640		
083D DD7EFF	13650 Z9B3	LD	A,(IX-1)
0840 A7	13660	AND	A
0841 3E20	13670	LD	A,20H
0843 2802	13680	JR	Z,Z9BD
0845 3E2D	13690	LD	A,2DH
0847 E7	13700 Z9BD	RST	Z16
0848 AF	13710	XOR	A

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I SMESTI JR U DE

0849 DD77FF	13720	LD	(IX-1),A
084C 3D	13730	DEC	A
084D F5	13740 Z994	PUSH	AF
084E 212C00	13750	LD	HL,ZEB9
0851 CD050B	13760	CALL	ZCA6
0854 300D	13770	JR	NC,Z9A4
0856 CDE30A	13780	CALL	ZCB4
0859 F1	13790	POP	AF
085A 3D	13800	DEC	A
085B 18F0	13810	JR	Z994
	13820		
	13830		
085D CDF40A	13840 LOOP	CALL	ZC95
0860 F1	13850	POP	AF
0861 3C	13860	INC	A
0862 F5	13870	PUSH	AF
0863 21A000	13880 Z9A4	LD	HL,ZEB5
0866 CD050B	13890	CALL	ZCA6,
0869 30F2	13900	JR	NC,LOOP
	13910		
	13920		
086B DD7EFE	13930 Z9B4	LD	A,(IX-2)
086E ED44	13940	NEG	
0870 280B	13950 Z9B9	JR	Z,Z9C6
0872 D9	13960	EXX	
0873 CB39	13970	SRL	C
0875 CB1C	13980	RR	H
0877 CB1D	13990	RR	L
0879 D9	14000	EXX	
087A 3D	14010	DEC	A
087B 18F3	14020	JR	Z9B9
	14030		
	14040		
087D 0607	14050 Z9C6	LD	B,7
087F DDE5	14060	PUSH	IX
0881 E1	14070	POP	HL
0882 3600	14080	LD	(HL),0
0884 23	14090	INC	HL
0885 AF	14100 Z9CE	XOR	A
0886 CD4F02	14110	CALL	Z15E
0889 D9	14120	EXX	
088A 78	14130	LD	A,B
088B D9	14140	EXX	
088C 77	14150	LD	(HL),A
088D 23	14160	INC	HL
088E 10F5	14170	DJNZ	Z9CE
0890 010006	14180	LD	BC,600H
0893 2B	14190	DEC	HL
0894 7E	14200	LD	A,(HL)
0895 FE05	14210	CP	S
0897 3F	14220 Z9E2	CCF	
0898 3E00	14230	LD	A,0
089A 2B	14240	DEC	HL
089B 8E	14250	ADC	A,(HL)
089C CB21	14260	SLA	C
089E FE0A	14270	CP	0AH
08A0 3802	14280	JR	C,Z9EF
08A2 3E00	14290	LD	A,0
08A4 77	14300 Z9EF	LD	(HL),A
08A5 F5	14310	PUSH	AF
08A6 A7	14320	AND	A
08A7 2802	14330	JR	Z,Z9F6
08A9 CBC1	14340	SET	0,C
08AB F1	14350 Z9F6	POP	AF
08AC 10E9	14360	DJNZ	Z9E2
08AE 79	14370	LD	A,C

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	C, A
08B9 78	14450	LD	A, B
08BA 3C	14460	INC	A
08BB FACB08	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	BC
08C9 0601	14560	LD	B, 1
08CB CD1C09	14570	CALL	ZA4D
08CE 3E45	14580	LD	A, 45H
08D0 E7	14590	RST	Z16
08D1 C1	14600	POP	BC
08D2 CB78	14610	BIT	7, B
08D4 3E2B	14620	LD	A, 2BH
08D6 2808	14630	JR	Z, ZA2B
08D8 3E2D	14640	LD	A, 2DH
08DA E7	14650	RST	Z16
08DB 78	14660	LD	A, B
08DC ED44	14670	NEG	
08DE 1802	14680	JR	ZA2D
	14690		
	14700		
08E0 E7	14710 ZA2B	RST	Z16
08E1 78	14720	LD	A, B
08E2 0630	14730 ZA2D	LD	B, 30H
08E4 FE0A	14740 ZA2F	CP	0AH
08E6 381C	14750	JR	C, ZA38
08E8 C6F6	14760	ADD	A, 0F6H
08EA 04	14770	INC	B
08EB 18F7	14780	JR	ZA2F
08ED 1A	14790 X96D	LD	A, (DE) ← PRINT BROJ U (de)
08EE 6F	14800	LD	L, A
08EF 13	14810	INC	DE
08F0 1A	14820	LD	A, (DE)
08F1 67	14830	LD	H, A
08F2 13	14840	INC	DE
08F3 CDBC0A	14850 Z96D	CALL	ZC59 ← PRINT BROJ HL
08F6 D5	14860 Z970	PUSH	DE ← PRINT (IX)
08F7 C5	14870	PUSH	BC
08F8 E5	14880	PUSH	HL
08F9 DD7EFE	14890	LD	A, (IX-2)
08FC FEB0	14900	CP	80H
08FE C23D08	14910	JP	NZ, Z983
0901 AF	14920	XOR	A
0902 0620	14930	LD	B, 20H
0904 F630	14940 ZA38	OR	30H
0906 4F	14950	LD	C, A
0907 78	14960	LD	A, B
0908 E7	14970 RA41	RST	Z16
0909 79	14980	LD	A, C
090A E7	14990	RST	Z16
090B	15000 ZA41	EQU	\$ BLANK POSLE BROJA
090B E1	15010	POP	HL
090C C1	15020	POP	BC
090D D1	15030 DEIXBC	POP	DE

090E 01FBFF	15040 IXFFFFB	LD	BC,0FFFFBH
0911 DD09	15050 ZAIX	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	ZAIX
	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 CDED08	15270 ZA63	CALL	X96D ← PRINT LINYO SJ PROC
0934 3E20	15280	LD	A,20H
0936 E7	15290 S94F	RST	Z16
0937 AF	15300 Z94F	XOR	A ← PRINT STRING IN (DE)
0938 47	15310 Z950	LD	B,A
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 ZA84	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

096B	22932A	15700	LD	(4093H-RAM), HL
096E	E1	15710	POP	HL
096F	22952A	15720	LD	(4095H-RAM), HL
0972	C5	15730	Z9D	PUSH BC
0973	C9	15740		RET
0974	21C8D4	15750	Z9F	LD HL, 0FFFFH-STACK+113
0977	C1	15760	POP	BC
0978	39	15770	ADD	HL, SP
0979	D25301	15780	JP	NC, SORRY
097C	2AA12A	15790	LD	HL, (40A1H-RAM)
097F	7C	15800	LD	A, H
0980	B5	15810	OR	L
0981	2813	15820	JR	Z, ZAC8
0983	2A952A	15830	LD	HL, (4095H-RAM)
0986	E5	15840	PUSH	HL
0987	2A932A	15850	LD	HL, (4093H-RAM)
098A	E5	15860	PUSH	HL
098B	2A6E2A	15870	LD	HL, (406EH-RAM)
098E	E5	15880	PUSH	HL
098F	2A912A	15890	LD	HL, (4091H-RAM)
0992	E5	15900	PUSH	HL
0993	2AA12A	15910	LD	HL, (40A1H-RAM)
0996	E5	15920	ZAC8	PUSH HL
0997	C5	15930	PUSH	BC
0998	C9	15940		RET
		15950		
0999	DF	15960	Z7A7	RST Z8
099A	3E	15970	DEFB '>'	
099B	07	15980	DEFB	NFOUNV-\$-1
099C	CD3904	15990	CALL	Z799
099F	C8	16000	RET	Z
09A0	D8	16010	RET	C
09A1	23	16020	INC	HL
09A2	C9	16030	RET	
09A3	DF	16040	NFOUNV	RST Z8
09A4	3D	16050	DEFB '='	
09A5	06	16060	DEFB	NFOUNJ-\$-1
09A6	CD3904	16070	CALL	Z799
09A9	C0	16080	RET	NZ
09AA	23	16090	INC	HL
09AB	C9	16100	RET	
09AC	DF	16110	NFOUNJ	RST Z8
09AD	3C	16120	DEFB '<'	
09AE	53	16130	DEFB	Z797-\$-1
09AF	CD3904	16140	CALL	Z799
09B2	D0	16150	RET	NC
09B3	23	16160	INC	HL
09B4	C9	16170	RET	
		16180		
09B5	F5	16190	ZACB	PUSH AF
09B6	CDAC2B	16200	CALL	STACK+4 ; LINK
09B9	2A682A	16210	LD	HL, (2A68H)
09BC	3846	16220	JR	C, ZB11
09BE	77	16230	LD	(HL), A
09BF	23	16240	INC	HL
09C0	3E2A	16250	ZAF2	LD A, ZAH
09C2	BC	16260	CP	H
09C3	203A	16270	JR	NZ, ZB09
09C5	21B02B	16280	LD	HL, STACK+8
09C8	CD3D0A	16290	CALL	WAIT ; DOK SE ZAVRSI KLIZANJE
09CB	E5	16300	PUSH	HL
09CC	23	16310	INC	HL
09CD	34	16320	INC	(HL)
09CE	CD3D0A	16330	CALL	WAIT ; DOK NE PRODJE 1 SLIKA
09D1	B7	16340	OR	A
09D2	ED5B6C2A	16350	LD	DE, (2A6CH)

09D6 CBB4	16360	RES	1,D
09D8 21E001	16370	LD	HL,1E0H
09DB ED52	16380	SBC	HL,DE
09DD 280E	16390	JR	Z,IGNSCR
09DF 380C	16400	JR	C,IGNSCR
09E1 44	16410	LD	B,H
09E2 4D	16420	LD	C,L
09E3 CBDA	16430	SET	3,D
09E5 CBEA	16440	SET	5,D ; DA BUDE DE=2800H, VIDEO
09E7 212000	16450	LD	HL,20H
09EA 19	16460	ADD	HL,DE
09EB EDB0	16470	LDIR	; 1 RED NAGORE
09ED 2A6C2A	16480 IGNSCR	LD	HL,(2A6CH)
09F0 7C	16490	LD	A,H
09F1 B5	16500	OR	L
09F2 E1	16510	POP	HL
09F3 2002	16520	JR	NZ,NOT3
09F5 3603	16530	LD	(HL),3 ; KLIZANJE U 3 FAZE
09F7 21E029	16540 NOT3	LD	HL,29E0H ; ZADNJI RED
09FA E5	16550	PUSH	HL
09FB CD340A	16560	CALL	ZB37 ; BRISANJE REDA 16
09FE E1	16570	POP	HL
09FF 22682A	16580 ZB09	LD	(2A6BH),HL
0A02 F1	16590 Z797	POP	AF
0A03 C9	16600	RET	
0A04 FE0D	16610 ZB11	CP	0DH
0A06 200E	16620	JR	NZ,ZB1A
0A08 7C	16630 CRET	LD	A,H
0A09 FE2B	16640	CP	2BH
0A0B 3804	16650	JR	C,NEDITM
0A0D 360D	16660	LD	(HL),0DH
0A0F 18EE	16670	JR	ZB09
0A11 CD340A	16680 NEDITM	CALL	ZB37
0A14 18AA	16690	JR	ZAF2
0A16 FE0C	16700 ZB1A	CP	0CH
0A18 200D	16710	JR	NZ,ZB2E
0A1A 21FF29	16720	LD	HL,29FFH
0A1D 3620	16730 GOCLR	LD	(HL),20H
0A1F 2B	16740	DEC	HL
0A20 CB4C	16750	BIT	1,H
0A22 2BF9	16760	JR	Z,GOCLR
0A24 23	16770 ADJUST	INC	HL
0A25 18D8	16780	JR	ZB09
0A27 FE1D	16790 ZB2E	CP	1DH
0A29 20D4	16800	JR	NZ,ZB09
0A2B 3620	16810	LD	(HL),20H
0A2D 2B	16820	DEC	HL
0A2E CB4C	16830	BIT	1,H
0A30 20F2	16840	JR	NZ,ADJUST
0A32 18CB	16850	JR	ZB09
0A34 3620	16860 ZB37	LD	(HL),20H
0A36 23	16870	INC	HL
0A37 7D	16880	LD	A,L
0A38 E61F	16890	AND	1FH
0A3A 20F8	16900	JR	NZ,ZB37
0A3C C9	16910	RET	
	16920		
0A3D ED57	16930 WAIT	LD	A,I
0A3F E0	16940	RET	PO
0A40 7E	16950 WAIT2	LD	A,(HL)
0A41 B7	16960	OR	A
0A42 20FC	16970	JR	NZ,WAIT2
0A44 C9	16980	RET	
	16990		
0A45 D5	17000 ZBC3	PUSH	DE
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 CD8107	17200 Z814	CALL	Z7FC
0A6D D9	17210 ZC0B	EXX	
0A6E CD0E09	17220	CALL	IXFFF8
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
0AAB D9	17510	EXX	
0AAC E1	17520	POP	HL
0AAD C9	17530	RET	
	17540		
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
0AB9 210A00	17600 ZC56	LD	HL,0AH
0ABC D5	17610 ZC59	PUSH	DE
0ABD EB	17620 ZC5A	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

+/-/*
 <=>
 ; DUMMY LD BC,

(INT)
 (IX) ← HL

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 ZC75	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	ZC56
0AE6 CD680C	17890 ZC87	CALL	ZE1E — (IX) = (IX) * IZRAZ
0AE9 283E	17900	JR	Z,ZCCA test (IX)
0AEB BB	17910	CP	E
0AEC CA6B0B	17920	JP	Z,ZD0D → (IX) ← Ø - adjust - re
0AEF CDB10B	17930	① CALL	ZD27
0AF2 180F	17940	JR	ZCA4
0AF4 CDB90A	17950 ZC95	CALL	ZC56
0AF7 CD680C	17960 ZC98	CALL	ZE1E — (IX) = (IX) / IZRAZ
0AFA 282D	17970	JR	Z,ZCCA test (IX)
0AFC BB	17980	CP	E
0AFD CA5B06	17990	JP	Z,Z1A3
0B00 CDAE0B	18000	② CALL	ZDSC
0B03 1868	18010 ZCA4	JR	ZD0F → restore - adjust - ret
0B05 CD450A	18020 ZCA6	CALL	ZBC3
0B08 CD680C	18030	CALL	ZE1E
0B0B 01FBFF	18040	LD	BC,0FFF8H
0B0E 1806	18050	JR	ZCB7
0B10 CD680C	18060 ZCB1	CALL	ZE1E — (IX) = (IX) - IZRAZ
0B13 01F6FF	18070	LD	BC,0FFF6H
0B16 DD09	18080 ZCB7	ADD	IX,BC
0B18 BD	18090	CP	L
0B19 CDE60B	18100	CALL	ZD94
0B1C D1	18110	POP	DE
0B1D C9	18120	RET	
0B1E CD680C	18130 ZCBF	CALL	ZE1E — (IX) = (IX) - IZRAZ
0B21 2005	18140	JR	NZ,ZCC9
0B23 CD620B	18150	CALL	ZD03
0B26 1830	18160	JR	ZCF9
0B28 BB	18170 ZCC9	CP	E ←
0B29 2853	18180 ZCCA	JR	Z,ZD20
0B2B AA	18190 ZCCC	XOR	D
0B2C 57	18200	LD	D,A
0B2D 180B	18210	JR	ZCDB
0B2F CD450A	18220	CALL	ZBC3
0B32 CD680C	18230 ZCD3	CALL	ZE1E — (IX) = (IX) + IZRAZ
0B35 282C	18240	JR	Z,ZD04
0B37 BB	18250	CP	E
0B38 2844	18260	JR	Z,ZD20
0B3A CD040C	18270 ZCDB	③ CALL	→ ADJST - out
0B3D 280E	18280	JR	Z,ZCEE
0B3F 3007	18290	JR	NC,ZCE9
0B41 EB	18300	EX	DE,HL
0B42 D9	18310	EXX	DE,HL
0B43 EB	18320	EX	0+x
0B44 79	18330	LD	A,C

$(IX) = (IX) * IZRAZ$
 $(IX) = (IX) / IZRAZ$
 $(IX) = (IX) - IZRAZ$
 $(IX) = (IX) + IZRAZ$
 $8 \quad 2979,5$

0B45 48	18340	LD	C,B
0B46 47	18350	LD	B,A
0B47 D9	18360	EXX	
0B48 CD170C	18370 ZCE9	CALL	ZDCB
0B4B 1820	18380	JR	ZD0F
0B4D 7C	18390 ZCEE	LD	A,H
0B4E AA	18400	XOR	D
0B4F 201A	18410	JR	NZ,ZD0D
0B51 1E01	18420	LD	E,1
0B53 CD3F0C	18430	CALL	ZDF3
0B56 1815	18440	JR	ZD0F
0B58 DD7EFF	18450 ZCF9	LD	A,(IX-1)
0B5B EE80	18460	XOR	80H
0B5D DD77FF	18470	LD	(IX-1),A
0B60 D1	18480	POP	DE
0B61 C9	18490	RET	
0B62 D5	18500 ZD03	PUSH	DE
0B63 62	18510 ZD04	LD	H,D
0B64 6B	18520	LD	L,E
0B65 D9	18530	EXX	
0B66 6B	18540	LD	L,E
0B67 62	18550	LD	H,D
0B68 48	18560	LD	C,B
0B69 D9	18570	EXX	
0B6A 01	18580	DEFB	1 ; DUMMY LD BC.
0B6B 2E80	18590 ZD0D	LD	L,80H
0B6D DD74FA	18600 ZD0F	LD	(IX-6),H-
0B70 DD75F9	18610	LD	(IX-7),L
0B73 D9	18620	EXX	
0B74 DD75F6	18630	LD	(IX-10),L
0B77 DD74F7	18640	LD	(IX-9),H
0B7A DD71F8	18650	LD	(IX-8),C
0B7D D9	18660	EXX	
0B7E C30D09	18670 ZD20	JP	DEIXBC ←
0B81 7C	18680 ZD27	LD	A,H
0B82 AA	18690	XOR	D
0B83 67	18700	LD	H,A
0B84 1D	18710	DEC	E
0B85 E5	18720	PUSH	HL
0B86 C5	18730	PUSH	BC
0B87 0618	18740	LD	B,18H
0B89 CD810C	18750	CALL	ZE39
0B8C AF	18760	XOR	A
0B8D EF	18770	RST	HL0
0B8E 4F	18780	LD	C,A
0B8F D9	18790 ZD3D	EXX	
0B90 CB39	18800	SRL	C
0B92 CB1C	18810	RR	H
0B94 CB1D	18820	RR	L
0B96 D9	18830	EXX	
0B97 3004	18840	JR	NC,ZD4B
0B99 19	18850	ADD	HL,DE
0B9A 79	18860	LD	A,C
0B9B 88	18870	ADC	A,B
0B9C 4F	18880	LD	C,A
0B9D D9	18890 ZD4B	EXX	
0B9E 1005	18900	DJNZ	ZD53
0BA0 C1	18910	POP	BC
0BA1 E1	18920	POP	HL
0BA2 D9	18930	EXX	
0BA3 1830	18940	JR	ZD83
0BA5 D9	18950 ZD53	EXX	
0BA6 CB19	18960	RR	C
0BA8 CB1C	18970	RR	H
0BA9 CB1D	18980	RR	L
0BAC 18E1	18990	JR	ZD3D

PRVI ČLAN - (IX)
DRUGI ČLAN HLL'H'C'

0BAE 7B	19000 ZD5C	LD	A,E
0BAF ED44	19010	NEG	
0BB1 5F	19020	LD	E,A
0BB2 7C	19030	LD	A,H
0BB3 AA	19040	XOR	D
0BB4 67	19050	LD	H,A
0BB5 E5	19060	PUSH	HL
0BB6 C5	19070	PUSH	BC
0BB7 0619	19080	LD	B,19H
0BB9 D9	19090	EXX	
0BBA ED52	19100 ZD68	SBC	HL,DE
0BBC 79	19110	LD	A,C
0BBD 98	19120	SBC	A,B
0BBE 4F	19130	LD	C,A
0BBF 3003	19140	JR	NC,ZD72
0BC1 19	19150	ADD	HL,DE
0BC2 88	19160	ADC	A,B
0BC3 4F	19170	LD	C,A
0BC4 D9	19180 ZD72	EXX	
0BC5 3F	19190	CCF	
0BC6 ED6A	19200	ADC	HL,HL
0BC8 CB11	19210	RL	C
0BCA 100B	19220	DJNZ	ZD85
0BCC E5	19230	PUSH	HL
0BCD 65	19240	PUSH	BC
0BCE D9	19250	EXX	
0BCF C1	19260	POP	BC
0BD0 E1	19270	POP	HL
0BD1 D9	19280	EXX	
0BD2 C1	19290	POP	BC
0BD3 E1	19300	POP	HL
0BD4 D9	19310	EXX	
0BD5 185E	19320 ZD83	JR	ZDE9
0BD7 D9	19330 ZD85	EXX	
0BD8 29	19340	ADD	HL,HL
0BD9 CB11	19350	RL	C
0BDB 30DD	19360	JR	NC,ZD68
0BDD 3F	19370	CCF	
0BDE ED52	19380	SBC	HL,DE
0BE0 79	19390	LD	A,C
0BE1 98	19400	SBC	A,B
0BE2 4F	19410	LD	C,A
0BE3 B7	19420	OR	A
0BE4 1BDE	19430	JR	ZD72
0BE6 280A	19440 ZD94	JR	Z,ZDA0
0BE8 BB	19450	CP	E
0BE9 280F	19460	JR	Z,ZDA8
0BEB 7C	19470	LD	A,H
0BEC AA	19480	XOR	D
0BED CC040C	19490	CALL	Z,ZDB3
0BF0 1807	19500	JR	ZDA7
0BF2 BB	19510 ZDA0	CP	E
0BF3 C8	19520	RET	Z
0BF4 37	19530	SCF	
0BF5 CB7A	19540	BIT	7,D
0BF7 1803	19550	JR	ZDAA
0BF9 C8	19560 ZDA7	RET	Z
0BFA CB7C	19570 ZDA8	BIT	7,H
0BFC 3F	19580 ZDAA	CCF	
0BFD C0	19590	RET	NZ
0BFE 3F	19600	CCF	
0BFF 1F	19610	RRA	
0C00 37	19620	SCF	
0C01 CB17	19630	RL	A
0C03 C9	19640	RET	
0C04 7D	19650 ZDB3	LD	A,L

0C05 93	19660	SUB	E
0C06 2807	19670	JR	Z,ZDBE
0C08 E20D0C	19680	JP	PO,ZDBC
0C0B ED44	19690	NEG	
0C0D 07	19700	ZDBC	RLCA
0C0E C9	19710	RET	
0C0F D9	19720	ZDBE	EXX
0C10 79	19730	LD	A,C
0C11 B8	19740	CP	B
0C12 2001	19750	JR	NZ,ZDC9
0C14 D7	19760	RST	Z32
0C15 D9	19770	ZDC9	EXX
0C16 C9	19780	RET	
0C17 7D	19790	ZDCB	LD A,L
0C18 93	19800	SUB	E
0C19 280E	19810	JR	Z,ZDDD
0C1B FE18	19820	CP	18H
0C1D D0	19830	RET	NC
0C1E D9	19840	EXX	
0C1F CB38	19850	ZDD3	SRL B
0C21 CB1A	19860	RR	D
0C23 CB1B	19870	RR	E
0C25 3D	19880	DEC	A
0C26 20F7	19890	JR	NZ,ZDD3
0C28 D9	19900	EXX	
0C29 1E00	19910	ZDDD	LD E,0
0C2B 7C	19920	LD	A,H
0C2C AA	19930	XOR	D
0C2D FA460C	19940	JP	M,ZDFA
0C30 D9	19950	EXX	
0C31 19	19960	ADD	HL,DE
0C32 79	19970	LD	A,C
0C33 88	19980	ADC	A,B
0C34 4F	19990	LD	C,A
0C35 3007	20000	ZDE9	JR NC,ZDF2
0C37 CB19	20010	RR	C
0C39 CB1C	20020	RR	H
0C3B CB1D	20030	RR	L
0C3D 37	20040	SCF	
0C3E D9	20050	ZDF2	EXX
0C3F 7D	20060	ZDF3	LD A,L
0C40 8B	20070	ADC	A,E
0C41 EA610C	20080	ZDF5	JP PE,ZE15
0C44 6F	20090	LD	L,A
0C45 C9	20100	RET	
0C46 D9	20110	ZDFA	EXX
0C47 ED52	20120	SBC	HL,DE
0C49 79	20130	LD	A,C
0C4A 98	20140	SBC	A,B
0C4B 4F	20150	LD	C,A
0C4C 0618	20160	ZE00	LD B,18H
0C4E AF	20170	XOR	A
0C4F 0C	20180	INC	C
0C50 0D	20190	DEC	C
0C51 FA5D0C	20200	ZE05	JP M,ZE11
0C54 3D	20210	DEC	A
0C55 29	20220	ADD	HL,HL
0C56 CB11	20230	RL	C
0C58 10F7	20240	DJNZ	ZE05
0C5A 2E80	20250	ZE0E	LD L,80H
0C5C C9	20260	RET	
0C5D D9	20270	ZE11	EXX
0C5E 85	20280	ADD	A,L
0C5F 18E0	20290	JR	ZDF5
0C61 7C	20300	ZE15	LD A,H
0C62 B7	20310	OR	A

0C63 F25B06	20320	JP	P, Z745
0C66 18F2	20330	JR	ZE0E
0C68 E1	20340 ZE1E	POP	HL
0C69 D5	20350	PUSH	DE
0C6A E5	20360	PUSH	HL
0C6B DD56FF	20370	LD	D, (IX-1)
0C6E DD5EFE	20380	LD	E, (IX-2)
0C71 DD66FA	20390	LD	H, (IX-6)
0C74 DD6EF9	20400	LD	L, (IX-7)
0C77 D9	20410	EXX	
0C78 DD5EFB	20420	LD	E, (IX-5)
0C7B DD56FC	20430	LD	D, (IX-4)
0C7E DD46FD	20440	LD	B, (IX-3)
0C81 DD6EF6	20450 ZE39	LD	L, (IX-10)
0C84 DD66F7	20460	LD	H, (IX-9)
0C87 DD4EF8	20470	LD	C, (IX-8)
0C8A D9	20480	EXX	
0C8B 3E80	20490	LD	A, 80H
0C8D BD	20500	CP	L
0C8E C9	20510	RET	
0C8F D5	20520 ZE47	PUSH	DE ; RND
0C90 D9	20530	EXX	
0C91 21A72A	20540	LD	HL, 40A7H-RAM
0C94 E5	20550	PUSH	HL
0C95 5E	20560	LD	E, (HL)
0C96 23	20570	INC	HL
0C97 56	20580	LD	D, (HL)
0C98 23	20590	INC	HL
0C99 46	20600	LD	B, (HL)
0C9A D9	20610	EXX	
0C9B CD4802	20620	CALL	Z155
0C9E EF	20630	RST	HL0
0C9F 0E03	20640	LD	C, 3
0CA1 0608	20650 ZE77	LD	B, 8
0CA3 56	20660	LD	D, (HL)
0CA4 D9	20670 ZE7A	EXX	
0CA5 29	20680	ADD	HL, HL
0CA6 CB11	20690	RL	C
0CA8 D9	20700	EXX	
0CA9 CB12	20710	RL	D
0CAB 3006	20720	JR	NC, ZE89
0CAD D9	20730	EXX	
0CAE 19	20740	ADD	HL, DE
0CAF 79	20750	LD	A, C
0CB0 88	20760	ADC	A, B
0CB1 4F	20770	LD	C, A
0CB2 D9	20780	EXX	
0CB3 10EF	20790 ZE89	DJNZ	ZE7A
0CB5 23	20800	INC	HL
0CB6 0D	20810	DEC	C
0CB7 20E8	20820	JR	NZ, ZE77
0CB9 EF	20830	RST	HL0
0CBA D9	20840	EXX	
0CBB D1	20850	POP	DE
0CBC 7D	20860	LD	A, L
0CBD C665	20870	ADD	A, 65H
0CBF 12	20880	LD	(DE), A
0CC0 13	20890	INC	DE
0CC1 6F	20900	LD	L, A
0CC2 7C	20910	LD	A, H
0CC3 CEB0	20920	ADC	A, 0B0H
0CC5 12	20930	LD	(DE), A
0CC6 13	20940	INC	DE
0CC7 67	20950	LD	H, A
0CC8 79	20960	LD	A, C
0CC9 CE05	20970	ADC	A, S

0CCB 12	20980	LD	(DE),A
0CCC 4F	20990	LD	C,A
0CCD CD1409	21000	CALL	ZE10IX
0CDD C36D0B	21010	JP	ZD0F
	21020		
	21030		
0CD3 EF	21040 BEC4	RST	HL0
0CD4 CD0501	21050	CALL	Z40
0CD7 CD7201	21060	CALL	Z8C
0CDA 3807	21070	JR	C,ALPHA
0CDC 1B	21080	DEC	DE
0CDD CDA201	21090	CALL	ZA6
0CE0 CD6D0A	21100	CALL	ZC0B
0CE3 7C	21110 ALPHA	LD	A,H
0CE4 B5	21120	OR	L
0CE5 C9	21130	RET	
	21140		
0CE6 BC	21150 G01	CP	H
0CE7 2002	21160	JR	NZ,NOTH
0CE9 2600	21170	LD	H,0
0CEB BD	21180 NOTH	CP	L
0CEC 2002	21190	JR	NZ,NOTL
0CEE 2E00	21200	LD	L,0
0CF0 1D	21210 NOTL	DEC	E
0CF1 200B	21220	JR	NZ,TAST3
0CF3 1806	21230	JR	TAST2
	21240		
0CF5 D9	21250 TASTAT	EXX	; TASTATURA
0CF6 2AA52A	21260	LD	HL,(2AA5H)
0CF9 0E0E	21270	LD	C,14 ; BRZINA AUTOREPEAT
0CFB 113420	21280 TAST2	LD	DE,2034H
0CFE 1A	21290 TAST3	LD	A,(DE)
0CFF 0F	21300	RRCA	
0D00 7B	21310	LD	A,E
0D01 38E3	21320	JR	C,G01
0D03 FE32	21330	CP	32H
0D05 2008	21340	JR	NZ,NORPT
0D07 0D	21350	DEC	C
0D08 20DC	21360	JR	NZ,G01
0D0A 3AB42B	21370	LD	A,(STACK+12)
0D0D 1845	21380	JR	IZLAZ
0D0F BC	21390 NORPT	CP	H
0D10 28DE	21400	JR	Z,NOTL
0D12 BD	21410	CP	L
0D13 28DB	21420	JR	Z,NOTL
0D15 0600	21430	LD	B,0
0D17 D7	21440 X200	RST	Z32
0D18 1A	21450	LD	A,(DE)
0D19 0F	21460	RRCA	
0D1A 38CA	21470	JR	C,G01
0D1C 10F9	21480	DJNZ	X200
0D1E 7C	21490	LD	A,H
0D1F B7	21500	OR	A
0D20 2003	21510	JR	NZ,ZAUZET
0D22 63	21520	LD	H,E
0D23 1805	21530	JR	UPISAN
0D25 7D	21540 ZAUZET	LD	A,L
0D26 B7	21550	OR	A
0D27 20D5	21560	JR	NZ,TAST3
0D29 6B	21570	LD	L,E
0D2A 22A52A	21580 UPISAN	LD	(2AA5H),HL
0D2D EF	21590	RST	HL0
0D2E 7B	21600	LD	A,E
0D2F FE34	21610	CP	34H
0D31 CA6104	21620	JP	Z,LIST2
0D34 FE31	21630	CP	31H

; IF A = H THEN H = φ

; IF A = L THEN L = φ

; IF E ≠ φ pobjedno sledi i last

izvini sto je stvarno sa adresom je

CT = D0.

rekaci mi kada se if faza u A

Pritisnu i On/Off ne push

nije

RPT (jeke, čekaj istek časovnika)

dot se ne sprečava (14 puta)

dot se ne sprečava (14 puta)

izazivi zadnjí pohybu až začít

od

DE = HL ?

LIST

STOP

0D36	CA0503	21640	JP	Z,STOP
0D39	FE1B	21650	CP	1BH
0D3B	213520	21660	LD	HL,2035H ; SHIFT
0D3E	3819	21670	JR	C,IZLAZ2
0D40	FE1F	21680	CP	1FH
0D42	3810	21690	JR	C,IZLAZ
0D44	D61F	21700	SUB	1FH
0D46	CB1E	21710	RR	(HL)
0D48	17	21720	RLA	
0D49	4F	21730	LD	C,A
0D4A	21700D	21740	LD	HL,TABELA
0D4D	09	21750	ADD	HL,BC
0D4E	ED5F	21760	LD	A,R
0D50	32A82A	21770	LD	(2AA8H),A
0D53	7E	21780	LD	A,(HL)
0D54	32B42B	21790	IZLAZ	LD (STACK+12),A
0D57	D9	21800	EXX	
0D58	C9	21810	RET	
		21820		
0D59	C640	21830	IZLAZ2	ADD A,40H
0D5B	CB1E	21840	RR	(HL)
0D5D	38F5	21850	JR	C,IZLAZ
0D5F	21940D	21860	LD	HL,TAB3
0D62	015B04	21870	LD	BC,45BH ; 4BY TABLICA + STREL.LEVO
0D65	BE	21880	NFND	CP (HL)
0D66	2805	21890	JR	Z,FNDSL
0D68	23	21900	INC	HL
0D69	0C	21910	INC	C
0D6A	10F9	21920	DJNZ	NFND
0D6C	0E	21930	DEFB	0EH ; DUMMY LD C.
0D6D	79	21940	FNDSL	LD A,C
0D6E	18E4	21950	JR	IZLAZ
		21960		
		21970		
0D70	2020	21980	TABELA	DEFW 2020H ; SPACE
0D72	5F30	21990	DEFW	305FH ; CURSOR 0
0D74	2131	22000	DEFW	3121H ; ! 1
0D76	2232	22010	DEFW	3222H ; " 2
0D78	2333	22020	DEFW	3323H ; # 3
0D7A	2434	22030	DEFW	3424H ; \$ 4
0D7C	2535	22040	DEFW	3525H ; % 5
0D7E	2636	22050	DEFW	3626H ; & 6
0D80	BF37	22060	DEFW	37BFH ; BLOCK 7
0D82	2838	22070	DEFW	3828H ; (8
0D84	2939	22080	DEFW	3929H ;) 9
0D86	2B3B	22090	DEFW	3B2BH ; + ;
0D88	2A3A	22100	DEFW	3A2AH ; * ;
0DBA	3C2C	22110	DEFW	2C3CH ; < ,
0D8C	2D3D	22120	DEFW	3D2DH ; - =
0D8E	3E2E	22130	DEFW	2E3EH ; > .
0D90	3F2F	22140	DEFW	2F3FH ; ? /
0D92	0D0D	22150	DEFW	0D0DH ; RET
		22160		
0D94	58	22170	TAB3	DEFB 58H ; X
0D95	43	22180	DEFB	43H ; C
0D96	5A	22190	DEFB	5AH ; Z
0D97	53	22200	DEFB	53H ; S
		22210		
0D98	0C00	22220	DEFW	000CH ; STOP DEL
		22230		
		22240		
		22250		
0D9A	CD8301	22260	Z821	CALL X825
0D9D	ED4B992A	22270	LD	BC,(2A99H)
0DA1	ED42	22280	SBC	HL,BC
0DA3	181A	22290	JR	FORC59

	22300				
0DA5 4E	22310 WORD2	LD	C, (HL)		; READ 2 BYTES
0DA6 23	22320	INC	HL		
0DA7 66	22330	LD	H, (HL)		
0DAB 69	22340	LD	L,C		
0DA9 1814	22350	JR	FORC59		
	22360				
0DAB	22370 KEY	EQU	\$; KEY		
0DAB 7C	22380	LD	A,H		
0DAC 85	22390	OR	L		
0DAD 2005	22400	JR	NZ,NOWAIT		
0DAF CDF50C	22410	CALL	TASTAT		
0DB2 1806	22420	JR	LA		
0DB4 CBEC	22430 NOWAIT	SET	S,H		
0DB6 7E	22440	LD	A,(HL)		
0DB7 2F	22450 ARCPL	CPL			
0DB8 E601	22460 AREZ	AND	I		
0DBA 6F	22470 LA	LD	L,A		
0DBB 3E	22480	DEFB	3EH		
0DBC 6E	22490 BYTE2	LD	L,(HL) ;		READ BYTE
0DBD 2600	22500 ASK2	LD	H,0		
0DBF C3BC0A	22510 FORC59	JP	ZC59		
	22520				
	22530				
0DC2 CDFC05	22540 EQUUS	CALL	Z694		
0DC5 E5	22550	PUSH	HL		
0DC6 DF	22560	RST	Z8		
0DC7 2C	22570	DEFB			
0DC8 00	22580	DEFB	0		
0DC9 CDFC05	22590	CALL	Z694		
0DCC C1	22600	POP	BC		
0DCD 0A	22610 POREDI	LD	A,(BC)		
0DCE BE	22620	CP	(HL)		
0DCF 200B	22630	JR	NZ,NEQ		
0DD1 B7	22640	OR	A		
0DD2 2807	22650	JR	Z,ENDEQ		
0DD4 23	22660	INC	HL		
0DD5 03	22670	INC	BC		
0DD6 7D	22680	LD	A,L		
0DD7 E60F	22690	AND	15		
0DD9 20F2	22700	JR	NZ,POREDI		
0DDB 3E	22710 ENDEQ	DEFB	3EH		
0DDC AF	22720 NEQ	XOR	A		
0DDD 18D9	22730	JR	AREZ		
	22740				
0DDF CD6501	22750 HEX	CALL	HEXCIF		
0DE2 3814	22760	JR	C,ZAHOW		
0DE4 1B	22770	DEC	DE		
0DES EF	22780	RST	HL0		
0DE6 CD6501	22790 GOCONV	CALL	HEXCIF		
0DE9 38D4	22800	JR	C,FORC59		
0DEB 07	22810	RLCA			
0DEC 07	22820	RLCA			
0DED 07	22830	RLCA			
0DEE 07	22840	RLCA			
0DEF 01E60D	22850	LD	BC,GOCONV		
0DF2 C5	22860	PUSH	BC		
0DF3 0604	22870 HLX4	LD	B,4		
0DF5 07	22880 HEX4	RLCA			
0DF6 ED6A	22890	ADC	HL,HL		
0DF8 DASA06	22900 ZAHOW	JP	C,Z1A2		
0DFB 10F8	22910	DJNZ	HEX4		
0DFD C9	22920	RET			
	22930				
0DFE F6	22940 WORD1	DEFB	0F6H ; (DUMMY OR) WRITE 2 BYTES		
0DFF AF	22950 BYTE1	XOR	A ; WRITE 1 BYTE		

0E00 F5	22960	PUSH	AF
0E01 CF	22970	RST	Z807
0E02 E5	22980	PUSH	HL
0E03 CD0500	22990	CALL	ZAREZ
0E06 E3	23000	EX	(SP), HL
0E07 C1	23010	POP	BC
0E08 71	23020	LD	(HL), C
0E09 F1	23030	POP	AF
0E0A 2802	23040	JR	Z, NOVINS
0E0C 23	23050	INC	HL
0E0D 70	23060	LD	(HL), B
0E0E F7	23070	NOVINS	RST
	23080		Z48
0E0F	23090	USR	EQU \$; USR
0E0F D5	23100	PUSH	DE
0E10 11BD0A	23110	LD	DE, ZCSA
0E13 D5	23120	PUSH	DE
0E14 E9	23130	JP	(HL)
	23140		
0E15	23150	CHRS	EQU \$
0E15 B2	23160	OR	D
0E16 7D	23170	LD	A, L
0E17 C9	23180	RET	
	23190		
0E18 CD7409	23200	Z546	CALL ZA9F ; FOR
0E1B CD3007	23210	CALL	Z8A8
0E1E 22A12A	23220	LD	(2AA1H), HL
0E21 DF	23230	RST	Z8
0E22 54	23240	DEFB	'T'
0E23 B2	23250	DEFB	WHAT2-\$-1
0E24 DF	23260	RST	Z8
0E25 4F	23270	DEFB	'O'
0E26 AF	23280	DEFB	WHAT2-\$-1
0E27 CF	23290	RST	Z807 ; TO
0E28 226E2A	23300	LD	(2A6EH), HL
0E2B 2ED8	23310	LD	L, Z311&0FFH
0E2D C39803	23320	JP	Z343
	23330		
0E30 21362C	23340	ZF3B	LD HL, BASIC-4 ; SAVE
0E33 E5	23350	PUSH	HL
0E34 2A3B2C	23360	LD	HL, (BASEND)
0E37 DF	23370	RST	Z8
0E38 0D	23380	DEFB	0DH
0E39 02	23390	DEFB	2
0E3A 1806	23400	JR NODIM	
0E3C CF	23410	RST	Z807 ←
0E3D E3	23420	EX	(SP), HL
0E3E CD0500	23430	CALL	ZAREZ
0E41 23	23440	INC	HL
0E42 D1	23450	NODIM	POP DE ←
0E43 0660	23460	LD	B, 60H
0E45 F3	23470	DI	
0E46 AF	23480	LEADER	XOR A
0E47 CD680E	23490	CALL	BYTE
0E4A 10FA	23500	DJNZ	LEADER
0E4C 3EA5	23510	LD	A, 0A5H
0E4E CD680E	23520	CALL	BYTE
0E51 CD620E	23530	CALL	EXWORD
0E54 CD620E	23540	CALL	EXWORD
0E57 2B	23550	DEC	HL
0E58 1A	23560	REC	LD A, (DE)
0E59 13	23570	INC	DE
0E5A CD680E	23580	CALL	BYTE
0E5D 30F9	23590	JR	NC, REC
0E5F 78	23600	LD	A, B
0E60 2F	23610	CPL	

; SAVE

DE = FROM

HL = TO + 1

? good for

Silver brief AS

FROM

TO + 1

0E61 5F	23620	LD	E,A	
	23630			
0E62 EB	23640 EXWORD	EX	DE,HL	
0E63	23650 WORD	EQU	\$	
0E63 7D	23660	LD	A,L	
0E64 C0680E	23670	CALL	BYTE	
0E67 7C	23680	LD	A,H	
0E68 D9	23690 BYTE	EXX		
0E69 0E10	23700	LD	C,10H	
0E6B 213820	23710	LD	HL,2038H	
0E6E CB41	23720 G016	BIT	0,C	
0E70 2805	23730	JR	Z,PULSE	
0E72 0F	23740 IFPUL	RRCA		
0E73 0664	23750	LD	B,100	
0E75 300F	23760	JR	NC,NOPUL	
0E77	23770 PULSE	EQU	\$	
0E77 36FC	23780	LD	(HL),0FCH	; HI 1111 1100
0E79 0632	23790	LD	B,50	
0E7B 10FE	23800	DJNZ	\$	
0E7D 36B8	23810	LD	(HL),0B8H	; LO 1011 1000
0E7F 0632	23820	LD	B,50	
0E81 10FE	23830	DJNZ	\$	
0E83 36BC	23840	LD	(HL),0BCH	; NORMAL 1011 1100
0E85 04	23850	INC	B	
0E86 10FE	23860 NOPUL	DJNZ	\$	
0E88 10FE	23870	DJNZ	\$	
0E8A 0D	23880	DEC	C	
0E8B 20E1	23890	JR	NZ,G016	
0E8D 03	23900 VVP	INC	BC	; 13312 T
0EBE CB48	23910	BIT	1,B	
0E90 28FB	23920	JR	Z,VVP	
0E92 D9	23930	EXX		
0E93 80	23940 ABHLDE	ADD	A,B	
0E94 47	23950	LD	B,A	
0E95 D7	23960	RST	Z32	
0E96 C9	23970	RET		
	23980			
	23990			
0E97 DF	24000 ZEE9	RST	Z8	; LOAD
0E98 3F	24010	DEFB	'?'	
0E99 00	24020	DEFB	0	
0E9A F5	24030	PUSH	AF	; IF VERIFY, Z SET
0E9B DF	24040	RST	Z8	
0E9C 0D	24050	DEFB	0DH	
0E9D 02	24060	DEFB	2	
0E9E EF	24070	RST	HL0	
0E9F 3E	24080	DEFB	3EH	
0EA0 CF	24090	RST	Z807	
0EA1 E5	24100	PUSH	HL	
0EA2 F3	24110	DI		Sinhra begin
0EA3 CDD90E	24120 G0A5	CALL	RXBYTE	
0EA6 79	24130	LD	A,C	
0EA7 FEAS	24140	CP	0ASH	
0EA9 20F8	24150	JR	NZ,G0A5	
0EAB 47	24160	LD	B,A	
0EAC CDD90E	24170	CALL	RX2	Load FROM
0EAF 61	24180	LD	H,C	
0EB0 D1	24190	POP	DE	
0EB1 D5	24200	PUSH	DE	
0EB2 19	24210	ADD	HL,DE	
0EB3 EB	24220	EX	DE,HL	
0EB4 CDD90E	24230	CALL	RX2	
0EB7 61	24240	LD	H,C	
0EB8 2B	24250	DEC	HL	
0EB9 78	24260	LD	A,B	
0EBA C1	24270	POP	BC	

0EBB 09	24280	ADD	HL,BC
0EBC 47	24290	LD	B,A
0EBD EB	24300	PUNI	DE,HL
0EBE CDDDOE	24310	CALL	RXBYTE
0EC1 08	24320	EX	AF,AF'
0EC2 79	24330	LD	A,C
0EC3 BE	24340	CP	(HL)
0EC4 2805	24350	JR	Z,EQUAL
0EC6 F1	24360	POP	AF
0EC7 280D	24370	JR	Z,WHAT2
0EC9 F5	24380	PUSH	AF
0ECA 71	24390	LD	(HL),C
0ECB 23	24400	EQUAL	INC
0ECC EB	24410	EX	DE,HL
0ECD 08	24420	EX	AF,AF'
0ECE 38ED	24430	JR	C,PUNI
0ED0 CDDDOE	24440	CALL	RXBYTE
0ED3 F1	24450	POP	AF
0ED4 04	24460	INC	B
0ED5 CB	24470	RET	Z
0ED6 C38F07	24480	WHAT2	JP ZBC9 ; CHKSUM ERROR
0ED9 CDDDOE	24490	RX2	CALL RXBYTE
0EDC 69	24500	LD	L,C
0EDD D9	24510	RXBYTE	EXX
0EDE 0601	24520	LD	B,1
0EE0 3EA7	24530	RXBY	LD A,167
0EE2 80	24540	SYNC2	ADD A,B
0EE3 210020	24550	LD	HL,2000H
0EE6 CB46	24560	BIT	0,(HL)
0EE8 2807	24570	JR	Z,FOUND
0EEA 3D	24580	DEC	A
0EEB 20F5	24590	JR	NZ,SYNC2
0EED D9	24600	EXX	
0EEE 79	24610	LD	A,C
0EEF 18A2	24620	JR	ABHLDE
0EF1 06DA	24630	FOUND	LD B,0-38
0EF3 3EA9	24640	VPPLUS	LD A,256-87
0EF5 10FC	24650	DJNZ	VPPLUS
0EF7 065A	24660	LD	B,90
0EF9 4E	24670	RCV	LD C,(HL)
0EFA CB19	24680	RR	C
0EFC CE00	24690	ADC	A,0
0EFE 10F9	24700	DJNZ	RCV
0F00 07	24710	RLCA	
0F01 D9	24720	EXX	
0F02 CB19	24730	RR	C
0F04 D9	24740	EXX	
0F05 18D9	24750	JR	RXBY
	24760		
0F07 4027	24770	Z1AE	DEFW 2740H ; MIPRO ZNAK
0F09 52	24780	DEFM	'READY'
0F0A 45			
0F0B 41			
0F0C 44			
0F0D 59			
0F0E 0D	24790	ZADNJI	DEFB 0DH
	24800		
0F0F	24810	ORG	0F0FH
0F0E	24820	Z248	EQU \$-1
0F0F 4C	24830	DEFM	'LIST'
0F10 49			
0F11 53			
0F12 54			
0F13 84	24840	DEFB	Z401<-8&0FFH+80H
0F14 5E	24850	DEFB	Z401&0FFH
0F15 52	24860	DEFM	'RUN'

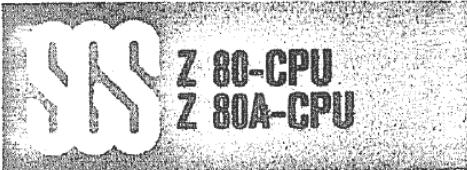
0F16 55			
0F17 4E			
0F18 84	24870	DEFB	Z38C<-8&0FFH+80H
0F19 0B	24880	DEFB	Z38C&0FFH
0F1A 4E	24890	DEFM	'NEW'
0F1B 45			
0F1C 57			
0F1D 83	24900	DEFB	NEW<-8&0FFH+80H
0F1E FC	24910	DEFB	NEW&0FFH
0F1F 53	24920	DEFM	'SAVE'
0F20 41			
0F21 56			
0F22 45			
0F23 8E	24930	DEFB	ZF3B<-8&0FFH+80H
0F24 30	24940	DEFB	ZF3B&0FFH
0F25 4F	24950	DEFM	'OLD'
0F26 4C			
0F27 44			
0F28 8E	24960	DEFB	ZEE9<-8&0FFH+80H
0F29 97	24970	DEFB	ZEE9&0FFH
0F2A 45	24980	DEFM	'EDIT'
0F2B 44			
0F2C 49			
0F2D 54			
0F2E 82	24990	DEFB	EDIT<-8&0FFH+80H
0F2F 99	25000 Z26C	DEFB	EDIT&0FFH
0F30 4E	25010	DEFM	'NEXT'
0F31 45			
0F32 58			
0F33 54			
0F34 85	25020	DEFB	Z5A3<-8&0FFH+80H
0F35 64	25030	DEFB	Z5A3&0FFH
0F36 49	25040	DEFM	'INPUT'
0F37 4E			
0F38 50			
0F39 55			
0F3A 54			
0F3B 86	25050	DEFB	Z623<-8&0FFH+80H
0F3C 6C	25060	DEFB	Z623&0FFH
0F3D 49	25070	DEFM	'IF'
0F3E 46			
0F3F 84	25080	DEFB	Z5FB<-8&0FFH+80H
0F40 41	25090	DEFB	Z5FB&0FFH
0F41 47	25100	DEFM	'GOTO'
0F42 4F			
0F43 54			
0F44 4F			
0F45 84	25110	DEFB	Z3B5<-8&0FFH+80H
0F46 53	25120	DEFB	Z3B5&0FFH
0F47 43	25130	DEFM	'CALL'
0F48 41			
0F49 4C			
0F4A 4C			
0F4B 84	25140	DEFB	Z4C4<-8&0FFH+80H
0F4C F4	25150	DEFB	Z4C4&0FFH
0F4D 55	25160	DEFM	'UNDOT'
0F4E 4E			
0F4F 44			
0F50 4F			
0F51 54			
0F52 86	25170	DEFB	Z838<-8&0FFH+80H
0F53 CC	25180	DEFB	Z838&0FFH
0F54 52	25190	DEFM	'RET'
0F55 45			
0F56 54			
0F57 85	25200	DEFB	Z4E6<-8&0FFH+80H

0F58 12	25210	DEFB	Z4E6&0FFH
0F59 54	25220	DEFM	'TAKE'
0F5A 41			
0F5B 4B			
0F5C 45			
0F5D 86	25230	DEFB	TAKE<-8&0FFH+80H
0F5E 26	25240	DEFB	TAKE&0FFH
0F5F 21	25250	DEFM	'!'
0F60 84	25260	DEFB	Z5F6<-8&0FFH+80H
0F61 4D	25270	DEFB	Z5F6&0FFH
0F62 23	25280	DEFM	'#'
0F63 84	25290	DEFB	Z5F6<-8&0FFH+80H
0F64 4D	25300	DEFB	Z5F6&0FFH
0F65 46	25310	DEFM	'FOR'
0F66 4F			
0F67 52			
0F68 8E	25320	DEFB	Z546<-8&0FFH+80H
0F69 18	25330	DEFB	Z546&0FFH
0F6A 50	25340	DEFM	'PRINT'
0F6B 52			
0F6C 49			
0F6D 4E			
0F6E 54			
0F6F 84	25350	DEFB	Z42F<-8&0FFH+80H
0F70 80	25360	DEFB	Z42F&0FFH
0F71 44	25370	DEFM	'DOT'
0F72 4F			
0F73 54			
0F74 86	25380	DEFB	Z83C<-8&0FFH+80H
0F75 CF	25390	DEFB	Z83C&0FFH
0F76 45	25400	DEFM	'ELSE'
0F77 4C			
0F78 53			
0F79 45			
0F7A 84	25410	DEFB	Z5F6<-8&0FFH+80H
0F7B 4D	25420	DEFB	Z5F6&0FFH
0F7C 42	25430	DEFM	'BYTE'
0F7D 59			
0F7E 54			
0F7F 45			
0F80 8D	25440	DEFB	BYTE1<-8&0FFH+80H
0F81 FF	25450	DEFB	BYTE1&0FFH
0F82 57	25460	DEFM	'WORD'
0F83 4F			
0F84 52			
0F85 44			
0F86 8D	25470	DEFB	WORD1<-8&0FFH+80H
0F87 FE	25480	DEFB	WORD1&0FFH
0F88 41	25490	DEFM	'ARR\$'
0F89 52			
0F8A 52			
0F8B 24			
0F8C C1	25500	DEFB	DIM<-8&0FFH+80H+40H
0F8D 0B	25510	DEFB	DIM&0FFH
0F8E 53	25520	DEFM	'STOP'
0F8F 54			
0F90 4F			
0F91 50			
0F92 B3	25530	DEFB	Z1C9<-8&0FFH+80H
0F93 17	25540	DEFB	Z1C9&0FFH
0F94 48	25550	DEFM	'HOME'
0F95 4F			
0F96 4D			
0F97 45			
0F98 84	25560	DEFB	HOME<-8&0FFH+80H
0F99 D6	25570	DEFB	HOME&0FFH

0F9A 87	25580	DEFB	Z6B3<-8&0FFH+80H
0F9B 58	25590 Z2EE	DEFB	Z6B3&0FFH
0F9C 52	25600	DEFM	'RND'
0F9D 4E			
0F9E 44			
0F9F 8C	25610	DEFB	Z647<-8&0FFH+80H
0FA0 8F	25620	DEFB	Z647&0FFH
0FA1 4D	25630	DEFM	'MEM'
0FA2 45			
0FA3 4D			
0FA4 8D	25640	DEFB	Z821<-8&0FFH+80H
0FA5 9A	25650	DEFB	Z821&0FFH
0FA6 4B	25660	DEFM	'KEY'
0FA7 45			
0FA8 59			
0FA9 CD	25670	DEFB	KEY<-8&0FFH+80H+40H
0FAA A8	25680	DEFB	KEY&0FFH
0FAB 42	25690	DEFM	'BYTE'
0FAC 59			
0FAD 54			
0FAE 45			
0FAF CD	25700	DEFB	BYTE2<-8&0FFH+80H+40H
0FB0 BC	25710	DEFB	BYTE2&0FFH
0FB1 57	25720	DEFM	'WORD'
0FB2 4F			
0FB3 52			
0FB4 44			
0FB5 CD	25730	DEFB	WORD2<-8&0FFH+80H+40H
0FB6 A5	25740	DEFB	WORD2&0FFH
0FB7 50	25750	DEFM	'PTR'
0FB8 54			
0FB9 52			
0FBA 87	25760	DEFB	PTR<-8&0FFH+80H
0FBB 69	25770	DEFB	PTR&0FFH
0FBC 56	25780	DEFM	'VAL'
0FBD 41			
0FBE 4C			
0FBF C7	25790	DEFB	VAL<-8&0FFH+80H+40H
0FC0 70	25800	DEFB	VAL&0FFH
0FC1 45	25810	DEFM	'EQ'
0FC2 51			
0FC3 8D	25820	DEFB	EQU<-8&0FFH+80H
0FC4 C2	25830	DEFB	EQU&0FFH
0FC5 49	25840	DEFM	'INT'
0FC6 4E			
0FC7 54			
0FC8 CA	25850	DEFB	ZC59<-8&0FFH+80H+40H
0FC9 BC	25860	DEFB	ZC59&0FFH
0FCA 26	25870	DEFM	'&'
0FCB 8D	25880	DEFB	HEX<-8&0FFH+80H
0FCC DF	25890	DEFB	HEX&0FFH
0FCD 55	25900	DEFM	'USR'
0FCE 53			
0FCF 52			
0FD0 CE	25910	DEFB	USR<-8&0FFH+80H+40H
0FD1 0F	25920	DEFB	USR&0FFH
0FD2 44	25930	DEFM	'DOT'
0FD3 4F			
0FD4 54			
0FD5 86	25940	DEFB	Z840<-8&0FFH+80H
0FD6 DC	25950	DEFB	Z840&0FFH
0FD7 87	25960	DEFB	Z7F2<-8&0FFH+80H
0FD8 77	25970 Z311	DEFB	Z7F2&0FFH
0FD9 53	25980	DEFM	'STEP'
0FDA 54			
0FDB 45			

0FDC 50			
0FDD 85	25990	DEFB	Z560<-8&0FFH+80H
0FDE 28	26000	DEFB	Z560&0FFH
0FDF 85	26010	DEFB	Z565<-8&0FFH+80H
0FE0 2A	26020 Z319	DEFB	Z565&0FFH
0FE1 41	26030	DEFM	'AT'
0FE2 54			
0FE3 84	26040	DEFB	Z473<-8&0FFH+80H
0FE4 BC	26050	DEFB	Z473&0FFH
0FE5 58	26060	DEFM	'X\$'
0FE6 24			
0FE7 84	26070	DEFB	Z459<-8&0FFH+80H
0FE8 98	26080	DEFB	Z459&0FFH
0FE9 59	26090	DEFM	'Y\$'
0FEA 24			
0FEB 84	26100	DEFB	Z45E<-8&0FFH+80H
0FEC 9B	26110	DEFB	Z45E&0FFH
0FED 84	26120	DEFB	Z452<-8&0FFH+80H
0FEE 8E	26130	DEFB	Z452&0FFH
0FFF 43	26140 ZACHR	DEFM	'CHR\$'
0FF0 48			
0FF1 52			
0FF2 24			
0FF3 CE	26150	DEFB	CHRS<-8&0FFH+80H+40H
0FF4 15	26160	DEFB	CHRS&0FFH
0FF5 86	26170	DEFB	Z749<-8&0FFH+80H
0FF6 0B	26180	DEFB	Z749&0FFH
0FF7 45	26190 XELSE	DEFM	'ELSE'
0FF8 4C			
0FF9 53			
0FFA 45			
0FFB 84	26200	DEFB	OVERPL<-8&0FFH+80H
0FFC 1A	26210	DEFB	OVERPL&0FFH
0FFD 88	26220	DEFB	NOTE0D<-8&0FFH+80H
0FFE 1B	26230	DEFB	NOTE0D&0FFH
0FFF 00	26240	DEFB	0
0000	26250	END	

00000 TOTAL ERRORS



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)

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	
8-BIT LOADS	LD r, s	r ← s s ≡ r, n, (HL), (IX+e), (IY+e)	
	LD d, r	d ← r d ≡ (HL), r (IX+e), (IY+e)	
	LD d, n	d ← n d ≡ (HL), (IX+e), (IY+e)	
	LD A, s	A ← s s ≡ (BC), (DE), (nn), I, R	
	LD d, A	d ← A d ≡ (BC), (DE), (nn), I, R	
16-BIT LOADS	LD dd, nn	dd ← nn dd ≡ BC, DE, HL, SP, IX, IY	
	LD dd, (nn)	dd ← (nn) dd ≡ BC, DE, HL, SP, IX, IY	
	LD (nn), ss	(nn) ← ss ss ≡ BC, DE, HL, SP, IX, IY	
	LD SP, ss	SP ← ss ss ≡ HL, IX, IY	
	PUSH ss	(SP-1) ← ss _H ; (SP-2) ← ss _L ss ≡ BC, DE, HL, AF, IX, IY	
EXCHANGES	POP dd	dd _E ← (SP); dd _H ← (SP+1) dd ≡ BC, DE, HL, AF, IX, IY	
	EX DE, HL	DE ← HL	
	EX AF, AF'	AF ← AF'	
	EXX	(BC') ← (BC) (DE') ← (DE) (HL) ← (HL)	
	EX (SP), ss	(SP) ← ss _L ; (SP+1) ← ss _H ss ≡ HL, IX, IY	
MEMORY BLOCK MOVES	LDI	(DE) ← (HL), DE ← DE+1	
	LDIR	HL ← HL+1, BC ← BC-1 (DE) ← (HL), DE ← DE+1	
	LDD	HL ← HL+1, BC ← BC-1 Repeat until BC = 0 (DE) ← (HL), DE ← DE-1	
	LDDR	HL ← HL-1, BC ← BC-1 (DE) ← (HL), DE ← DE-1 HL ← HL-1, BC ← BC-1 Repeat until BC = 0	
	CPI	A-(HL), HL ← HL+1 BC ← BC-1	
	CPIR	A-(HL), HL ← HL+1 BC ← BC-1, Repeat until BC = 0 or A = (HL)	A-(HL) sets the flags only. A is not affected
	CPD	A-(HL), HL ← HL-1 BC ← BC-1	
	CPDR	A-(HL), HL ← HL-1 BC ← BC-1, Repeat until BC = 0 or A = (HL)	
8-BIT ALU	ADD A, s	A ← A + s	
	ADC A, s	A ← A + s + CY	CY is the carry flag
	SUB s	A ← A - s	
	SBC A, s	A ← A - s - CY	s ≡ r, n, (HL), (IX+e), (IY+e)
	AND s	A ← A ∧ s	
	OR s	A ← A ∨ s	
	XOR s	A ← A ⊕ s	



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

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 (Q)	; 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

165-1 contd.

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
DJNZ	; 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