

# RAM 4000H

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8000 01 FD 0B
8003 54
8004 FF
8005 CD D9 0B
8008 3A 42 FB
800B CB E7
800D 32 42 FB
8010 21 66 42
8013 11 00 07
8016 CD D6 0B
8019 01 FF FF
801C CD C1 0B
801F CD 2E 47
8022 CD D9 0B
8025 06 07
8027 0E C9
8029 26 9F
802B 2E 00
802D ED 69
802F 2C
8030 25
8031 20 FA
8033 10 FA
8035 26 07
8037 2E 06
8039 06 00
803B ED 69
803D 10 FC
803F 20
8040 25
8041 20 FA
8043 26 07
8045 2E 9E
8047 ED 69
8049 10 FC
804B 20
804C 25
804D 20 FB
804F 21 00 00
8052 22 A4 4B
8055 22 E7 4B
8058 22 E9 4B
805B 22 5B 47
805E 3E 20
8060 32 E7 42
8063 21 DA 42
8066 11 00 12
8069 01 FF 00
806C CD BE 0B
806F CD CD 0B
8072 32 E7 42
8075 21 DA 42
8078 11 00 12
807B 01 FF 00
807E FE
807F CD BE 0B
8082 F1
8085 D6 30
8088 26 EB

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LD BC, 00BFDH
LD D, H
RST 7
CALL 00BD9H
LD A, (0FB42H)
SET 4, A
LD (0FB42H), A
LD HL, 04266H
LD DE, 00700H
CALL 00BD6H
LD BC, 0FFFFH
CALL 0472EH
CALL 00BD9H
LD B, 007H
LD C, 0C9H
LD H, 09FH
LD L, 000H
OUT L
INC L
DEC H
JRNZ 0B02DH
DJNZ 0B029H
LD H, 007H
LD L, 006H
LD B, 000H
OUT L
DJNZ 0B03BH
DEC L
DEC H
JRNZ 0B039H
LD H, 007H
LD L, 09EH
OUT L
DJNZ 0B047H
DEC L
DEC H
JRNZ 0B047H
LD HL, 00000H
LD (045A4H), HL
LD (045E7H), HL
LD (045E9H), HL
LD (0475BH), HL
LD A, 020H
LD (042E7H), A
LD HL, 042DAH
LD DE, 01200H
LD BC, 000FFH
CALL 00BBEH
CALL 00BCDH
LD (042E7H), A
LD HL, 042DAH
LD DE, 01200H
LD BC, 000FFH
PUSH AF
CALL 00BBEH
POP AF
SUB 030H
JRZ 0B06FH

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ADDA

CALL 0479H

identifiable

CALL 047EH

CALL 047EH

CD D9 0B

CD 2E 47

CD D9 0B

C3 10 40

CD 21 55 47

01 03 02

C-D 38 47

C2 25 40 (9)

factorial

loop

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8087	38	E6	8	JRC	0806FH	
8089	FE	0A		CMP	00AH	
808B	30	E2	0	JRNC	0806FH	
808D	47		8	LD	B, A	
808E	3E	0A	>	LD	A, 00AH	
8090	90			SUB	B	
8091	32	9E 45	2 E	LD	(0459EH), A	
8094	21	A6 45	7 E	LD	HL, 045A6H	
8097	22	00 FF	"	LD	(0FF00H), HL	
809A	3E	00	>	LD	A, 000H	
809C	D3	80		OUT	080H	
809E	3E	A7	>	LD	A, 0A7H	
80A0	D3	80		OUT	080H	
80A2	3E	00	>	LD	A, 000H	1011
80A4	D3	80		OUT	080H	
80A6	11	00 01		LD	DE, 00100H	
80A9	01	FF 00		LD	BC, 000FFH	
80AC	21	47 46	1GF	LD	HL, 04647H	
80AF	3A	4D 46	INF	LD	A, (0464DH)	
80B2	ED	44	D	NEG		
80B4	CD	EB 08		CALL	00BEBH	
80B7	3A	4C 46	1LF	LD	A, (0464CH)	
80BA	ED	44	D	NEG		
80BC	CD	EB 08		CALL	00BEBH	
80BF	21	3B 46 0100	1;F	LD	HL, 0463BH	
80C2	80	BE 08 000		CALL	00BEBH	
80C5	21	4E 46	INF	LD	HL, 0464EH	
80C8	22	9F 45	" E	LD	(0459FH), HL	
80CB	CD	95 43	C	CALL	04395H	
80CE	3A	9E 45	7 E	LD	A, (0459EH)	
80D1	47		8	LD	B, A	
80D2	3E	0A	>	LD	A, 00AH	
80D4	90			SUB	B	
80D5	2A	A4 45	* E	LD	HL, (045A4H)	
80D8	85			ADD	L	
80D9	27		7	DAA		
80DA	6F		8	LD	L, A	
80DB	30	85	0	JRNC	080E2H	
80DD	7C		8	LD	A, H	
80DE	C6	01		ADD	001H	
80E0	27		7	DAA		
80E1	67		8	LD	H, A	
80E2	22	A4 45	" E	LD	(045A4H), HL	
80E5	CD	38 43	BC	CALL	04338H	score = 015
80E8	CD	63 43	CC	CALL	04363H	
80EB	CD	F8 42	B	CALL	042F8H	
80EE	2E	3E	>	LD	L, 03EH	
80F0	06	08		LD	B, 008H	
80F2	CD	85 44	D	CALL	04485H	
80F5	DA	A6 41	A	JPC	041A6H	AGAIN?
80F8	CD	85 44	D	CALL	04485H	
80FB	38	CE	8	JRC	080CBH	
80FD	CD	C3 44	D	CALL	044C3H	BD
8100	CD	41 45	AE	CALL	04541H	
8103	CD	CD 08		CALL	00BCDH	
8106	FE	39	9	CMP	039H	
8108	28	24	18	JRZ	0812EH	
810A	FE	37	7	CMP	037H	
810C	28	0E	1	JRZ	0811CH	
810E	FE	38	8	CMP	038H	
8110	28	2E	1	JRZ	08140H	

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0112	FE	34		4	CMP	034H
0114	28	6A		(J	JRZ	08180H
0116	FE	20			CMP	020H
0118	28	6D		(M	JRZ	08187H
011A	18	DC			JR	080F6H
011C	CD	BD	44	D	CALL	044BDH
011F	CD	0F	44	D	CALL	0440FH
0122	38	4E		BN	JRC	08172H
0124	7D			D	LD	A,L
0125	2E	09		.	LD	L,009H
0127	95				SUB	L
0128	6F			C	LD	L,A
0129	CD	C3	44	D	CALL	044C3H
012C	18	D5			JR	08103H
012E	CD	BD	44	D	CALL	044BDH
0131	CD	49	44	ID	CALL	04449H
0134	38	3C		BC	JRC	08172H
0136	7D			D	LD	A,L
0137	2E	09		.	LD	L,009H
0139	85				ADD	L
013A	6F			C	LD	L,A
013B	CD	C3	44	D	CALL	044C3H
013E	18	C3			JR	08103H
0140	CD	BD	44	D	CALL	044BDH
0143	E5				PUSH	HL
0144	3A	A3	45	: E	LD	A,(045A3H)
0147	C6	40		E	ADD	040H
0149	21	08	00	I	LD	HL,00008H
014C	20	03			JRNZ	08151H
014E	21	E8	FF	I	LD	HL,0FFEH
0151	DD	21	9F	45 I E	LD	IX,0459FH
0153	DD	5E	00	.	LD	E,(IX)
0156	DD	56	01	V	LD	D,(IX+01H)
015B	19				ADD	HL,DE
015C	DD	75	00	D	LD	(IX),L
015F	DD	74	01	t	LD	(IX+01H),H
0162	E1				POP	HL
0163	D5				PUSH	DE
0164	CD	0C	45	E	CALL	0450CH
0167	38	0E		B	JRC	08177H
0169	3A	A3	45	: E	LD	A,(045A3H)
016C	C6	40		E	ADD	040H
016E	32	A3	45	2 E	LD	(045A3H),A
0171	D1				POP	DE
0172	CD	C3	44	D	CALL	044C3H
0175	18	C7			JR	0813EH
0177	D1				POP	DE
0178	DD	73	00	E	LD	(IX),E
0178	DD	72	01	T	LD	(IX+01H),D
017E	18	F2			JR	08172H
0180	3E	01		>	LD	A,001H
0182	32	9D	45	2 E	LD	(0459DH),A
0185	18	B7			JR	0813EH
0187	C5				PUSH	BC
0188	0E	C4			LD	C,0C4H
018A	06	01			LD	B,001H
018C	ED	69		I	OUT	L
018E	F3				DI	
018F	3E	21		>I	LD	A,021H
0191	D3	80			OUT	080H
0193	78				EI	

8194	CD	CD	08			CALL	00BCDH
8197	30	FB		0		JRNC	08194H
8199	FB					DI	
819A	3E	A1		>		LD	A,0A1H
819C	D3	80				OUT	080H
819E	FB					EI	
819F	06	02				LD	B,002H
81A1	ED	69		!		OUT	L
81A3	C1					POP	BC
81A4	18	98				JR	0813EH
81A6	3E	03		>		LD	A,003H
81A8	D3	80				OUT	080H
81AA	2A	A4	45	* E		LD	HL,(045A4H)
81AD	3A	4C	46	:LF		LD	A,(0464CH)
81B0	ED	44		D		NEG	
81B2	3F					LD	E,A
81B3	3A	4D	46	:MF		LD	A,(0464DH)
81B6	ED	44		D		NEG	
81B8	37			M		LD	D,A
81B9	ED	52		R		SBC	HL,DE
81BB	21	42	FB	!B		LD	HL,0FB42H
81BE	38	73		8c		JRC	08233H
81C0	FD	E5				PUSH	IY
81C2	E5					PUSH	HL
81C3	21	3B	46	!;F		LD	HL,0463BH
81C6	06	0A				LD	B,00AH
81C8	36	20		6	*	LD	(HL),020H
81CA	23			#		INC	HL
81CB	10	FB				DJNZ	081CBH
81CD	11	00	02			LD	DE,00200H
81D0	CD	D6	08			CALL	00BD6H
81D3	FD	21	EB	45	! E	LD	IY,045EBH
81D7	06	08				LD	B,008H
81D9	21	14	46	! F		LD	HL,04614H
81DC	11	00	02			LD	DE,00200H
81DF	CD	D6	08			CALL	00BD6H
81E2	C5					PUSH	BC
81E3	FD	74	03	t		LD	(IY+03H),H
81E6	FD	75	02	u		LD	(IY+02H),L
81E9	FD	36	04	FF	6	LD	(IY+04H),OFFH
81ED	CD	EE	08			CALL	00BEEH
81F0	CD	4A	47	JG		CALL	0474AH
81F3	11	00	02			LD	DE,00200H
81F6	CD	D6	08			CALL	00BD6H
81F9	21	F7	45	! E		LD	HL,045F7H
81FC	FD	74	03	t		LD	(IY+03H),H
81FF	FD	75	02	u		LD	(IY+02H),L
8202	FD	36	04	FF	6	LD	(IY+04H),OFFH
8206	CD	EE	08			CALL	00BEEH
8209	C1					POP	BC
820A	10	CD				DJNZ	081D9H
820C	E1					POP	HL
820D	CB	A6				RES	4,(HL)
820F	E5					PUSH	HL
8210	FD	21	2F	46	! /F	LD	IY,0462FH
8214	FD	36	04	0A	6	LD	(IY+04H),00AH
8218	FD	36	05	00	6	LD	(IY+05H),000H
821C	CD	EE	08			CALL	00BEEH
821F	2A	A4	45	* E		LD	HL,(045A4H)
8222	7D			0		LD	A,L
8223	ED	44		D		NEG	

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8225	32	4C	46	2LF	LD	(0464CH),A
8228	7C			B	LD	A,H
8229	ED	44		D	NEG	
822B	32	4D	46	ZMF	LD	(0464DH),A
822E	E1				POP	HL
822F	CB	E6			SET	4,(HL)
8231	FD	E1			POP	IV
8233	E5				PUSH	HL
8234	21	59	42	IYB	LD	HL,04259H
8237	11	00	0C		LD	DE,00C00H
823A	01	FF	00		LD	BC,000FFH
823D	CD	BE	0B		CALL	00BBEH
8240	E1				POP	HL
8241	CD	CD	0B		CALL	00BCDH
8244	CB	AF			RES	5,A
8246	FE	59		Y	CMP	059H
8248	CA	05	40	E	JRZ	04005H
824B	FE	4E		M	CMP	04EH
824D	20	F2			JRNZ	08241H
824F	CB	A6			RES	4,(HL)
8251	CD	DC	0B		CALL	00BDCH
8254	CD	DC	0B		CALL	00BDCH
8257	AF				XOR	A
8258	C9				RET	
8259	41			A	LD	B,C
825A	47			B	LD	B,A
825B	41			B	LD	B,C
825C	49			I	LD	C,C
825D	4E			N	LD	C,(HL)
825E	3F			7	CCF	
825F	20	28		(	JRNZ	08259H
8261	59			Y	LD	E,C
8262	2F			/	CPL	
8263	4E			N	LD	C,(HL)
8264	29			)	ADD	HL,HL
8265	FF				RST	7
8266	09				ADD	HL,BC
8267	09				ADD	HL,BC
8268	70			P	LD	(HL),B
8269	6C			I	LD	L,H
826A	61			a	LD	H,C
826B	79			Y	LD	A,C
826C	20	54		T	JRNZ	082C2H
826E	45			E	LD	B,L
826F	54			T	LD	D,H
8270	52			R	LD	D,D
8271	49			I	LD	C,C
8272	53			S	LD	D,E
8273	20	21		I	JRNZ	08276H
8275	20	0D			JRNZ	082B4H
8277	0D				DEC	C
8278	0D				DEC	C
8279	09				ADD	HL,BC
827A	09				ADD	HL,BC
827B	37			7	SCF	
827C	20	2D		-	JRNZ	082ABH
827E	20	6C		I	JRNZ	082ECH
8280	69			I	LD	L,C
8281	6E			n	LD	L,(HL)
8282	6B			K	LD	L,E
8283	73			s	LD	(HL),E

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8284	0D		DEC	C
8285	0D		DEC	C
8286	09		ADD	HL,BC
8287	09		ADD	HL,BC
8288	39	9	ADD	HL,SP
8289	20	2D	JRNZ	08288H
828B	20	72	JRNZ	082FFH
828D	65	e	LD	H,L
828E	63	c	LD	H,E
828F	68	n	LD	L,B
8290	74	t	LD	(HL),H
8291	73	e	LD	(HL),E
8292	0D		DEC	C
8293	0D		DEC	C
8294	09		ADD	HL,BC
8295	09		ADD	HL,BC
8296	38	20	JRC	08288H
8298	2D	-	DEC	L
8299	20	64	JRNZ	082FFH
829B	72	7	LD	(HL),D
829C	65	e	LD	H,L
829D	68	n	LD	L,B
829E	65	e	LD	H,L
829F	6E	n	LD	L,(HL)
82A0	0D		DEC	C
82A1	0D		DEC	C
82A2	09		ADD	HL,BC
82A3	09		ADD	HL,BC
82A4	34	4	INC	(HL)
82A5	20	2D	JRNZ	082D4H
82A7	20	66	JRNZ	0830FH
82A9	61	d	LD	H,C
82AA	6C	l	LD	L,H
82AB	6C	l	LD	L,H
82AC	65	e	LD	H,L
82AD	6E	d	LD	L,(HL)
82AE	0D		DEC	C
82AF	0D		DEC	C
82B0	09		ADD	HL,BC
82B1	09		ADD	HL,BC
82B2	53	S	LD	D,E
82B3	50	P	LD	D,B
82B4	41	A	LD	B,C
82B5	43	C	LD	B,E
82B6	45	E	LD	B,L
82B7	20	2D	JRNZ	082E6H
82B9	20	43	JRNZ	082FEH
82BB	68	n	LD	L,B
82BC	65	e	LD	H,L
82BD	66	f	LD	H,(HL)
82BE	74	t	LD	(HL),H
82BF	61	d	LD	H,C
82C0	73	e	LD	(HL),E
82C1	74	t	LD	(HL),H
82C2	65	e	LD	H,L
82C3	0D		DEC	C
82C4	0D		DEC	C
82C5	58	28	LD	E,E
82C6	63	43	LD	H,E
82C7	5D	29	LD	E,L
82C8	20	48 64	JRNZ	08312H

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8000,9000

82CA	4E 4A 652A	LD	L,04FH
82CC	74 73	LD	(HL),H
82CD	74 77	LD	(HL),H
82CE	20 38	JRNZ	08308H
82D0	38 FF	JRC	082D1H
82D2	56	LD	D,(HL)
82D3	4F	LD	C,A
82D4	4C	LD	C,H
82D5	4C	LD	C,H
82D6	21 21 21	LD	HL,02121H
82D9	FF	RST	7
82DA	4C	LD	C,H
82DB	65	LD	H,L
82DC	76	HALT	
82DD	65	LD	H,L
82DE	6C	LD	L,H
82DF	20 28	JRNZ	08309H
82E1	31 2D 39	LD	SP,0392DH
82E4	29	ADD	HL,HL
82E8	3A 20 39	LD	A,(03920H)
82E8	FF	RST	7
82E9	E5	PUSH	HL
82EA	21 09 42	LD	HL,042C9H
82ED	7E	LD	A,(HL)
82EE	23	INC	HL
82EF	E8 00	INC	HL MOP
82F0	B6	ADD	(HL)
82F1	FE 77C9	CMP	077H C9H
82F3	E1	POP	HL
82F4	CB	RZ	
82F5	E5	PUSH	HL
82F6	18 FD	JR	082F5H
82F8	2A A1 45	* E	LD HL,(045A1H)
82FB	22 9F 45	" E	LD (0459FH),HL
82FE	06 B0	LD	B,0B0H
8300	2E C0	LD	L,0C0H
8302	CD BD 44	D	CALL 044BDH
8305	ED 3F	LD	A,R
8307	E6 07	AND	007H
8309	3C	INC	A
830A	FE 08	CMP	008H
830C	20 02	JRNZ	08310H
830E	3E 04	LD	A,004H
8310	21 2E 46	L.F	LD HL,0462EH
8313	11 20 00	LD	DE,00020H
8316	17	ADD	HL,DE
8317	3D	=	DEC A
8318	20 FC	JRNZ	08316H
831A	E5	PUSH	HL
831B	22 9F 45	" E	LD (0459FH),HL
831E	06 B0	LD	B,0B0H
8320	2E C0	LD	L,0C0H
8322	CD C3 44	D	CALL 044C3H
8325	D1	POP	DE
8326	AF	XOR	A
8327	32 A3 45	2 E	LD (045A3H),A
832A	32 9D 45	2 E	LD (0459DH),A
832D	2A A1 45	* E	LD HL,(045A1H)
8330	22 9F 45	" E	LD (0459FH),HL
8333	ED 53 A1 45	8 E	LD (045A1H),DE
8337	C9	RET	

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8338 11 A5 45      E LD   DE,045A5H
8338 CD E9 42      B CALL 042E9H
833E 1A           LD   A,(DE)
833F 21 5E 43      INC LD   HL,0435EH
8342 CD EB 0B      CALL 00BEBH
8345 1B           DEC  DE
8346 1A           LD   A,(DE)
8347 CD EB 0B      CALL 00BEBH
834A 21 57 43      INC LD   HL,04357H
834D 11 00 10      LD   DE,01000H
8350 01 FF 00      LD   BC,000FFH
8353 CD BE 0B      CALL 00BEBH
8356 C9           RET
8357 53           S    LD   D,E
8358 63           C    LD   H,E
8359 6F           G    LD   L,A
835A 72           P    LD   (HL),D
835B 65           E    LD   H,L
835C 3A 20 30      : 0 LD   A,(03020H)
835F 30 39      09  JRNC 0639AH
8361 30 FF      0   JRNC 06362H
8363 E5           PUSH HL
8364 C5           PUSH BC
8365 3A E9 45      : E LD   A,(045E9H)
8368 47           G    LD   B,A
8369 3A 9E 45      : E LD   A,(0459EH)
836C 4F           G    LD   C,A
836D 3E 0A      >   LD   A,00AH
836F 91           SUB  C
8370 B6           CMP  B
8371 30 1F      0   JRNC 06392H
8373 FE 09      CMP  009H
8375 2B 1B      J    JRZ 06392H
8377 3C      J    INC  A
8378 47           G    LD   B,A
8379 C6 30      0   ADD  030H
837B 32 E7 42      2 B LD   (042E7H),A
837E D6 30      0   SUB  030H
8380 3E 0A      >   LD   A,00AH
8382 90           SUB  B
8383 32 9E 45      2 E LD   (0459EH),A
8386 01 FF 00      LD   BC,000FFH
8389 21 DA 42      1 B LD   HL,0420AH
838C 11 00 12      LD   DE,01200H
838F CD BE 0B      CALL 00BEBH
8392 C1           POP  BC
8393 E1           POP  HL
8394 C9           RET
8395 06 09      LD   B,009H
8397 2E 08      LD   L,008H
8399 0E 10      LD   C,010H
839B CD 31 45      1E CALL 04531H
839E 30 20      0   JRNC 063C0H
83A0 3E 09      >   LD   A,009H
83A2 B5           ADD  L
83A3 6F           G    LD   L,A
83A4 0D           DEC  C
83A5 20 F4      JRNZ 0639BH
83A7 CD C7 43      C   CALL 043C7H
83AA 21 9E 45      1 E LD   HL,0459EH
83AD 3E 0A      >   LD   A,00AH

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83AF	96					SUB	(HL)
83B0	21	A4	45		E	LD	HL,045A4H
83B3	86					ADD	(HL)
83B4	27					DAA	
83B5	77				M	LD	(HL),A
83B6	30	DF			O	JRNC	08397H
83B8	23				#	INC	HL
83B9	7E				B	LD	A,(HL)
83BA	06	01				ADD	001H
83BC	27					DAA	
83BD	77				M	LD	(HL),A
83BE	18	D7				JR	08397H
83C0	3E	09				LD	A,009H
83C2	80					ADD	B
83C3	D8					RC	
83C4	47				G	LD	B,A
83C5	18	D0				JR	08397H
83C7	E3					PUSH	HL
83C8	C5					PUSH	BC
83C9	2E	08				LD	L,008H
83CB	0D	FC	43		C	CALL	043FCH
83CE	3E	09				LD	A,009H
83D0	80					ADD	B
83D1	47				G	LD	B,A
83D2	0E	10				LD	C,010H
83D4	26	00			S	LD	H,000H
83D6	0D	31	45		IE	CALL	04531H
83D9	38	01			B	JRC	083DCH
83DB	24				#	INC	H
83DC	78				X	LD	A,B
83DD	06	09				LD	B,009H
83DF	90					SUB	B
83E0	47				G	LD	B,A
83E1	0D	EC	44		D	CALL	044ECH
83E4	3E	09				LD	A,009H
83E6	85					ADD	L
83E7	6F				D	LD	L,A
83E8	3E	09				LD	A,009H
83EA	80					ADD	B
83EB	47				G	LD	B,A
83EC	0D					DEC	C
83ED	20	E3				JRNZ	083D4H
83EF	2E	08				LD	L,008H
83F1	0E	10				LD	C,010H
83F3	3E	09				LD	A,009H
83F5	80					ADD	B
83F6	47				G	LD	B,A
83F7	30	DB			O	JRNC	083D4H
83F9	C1					POP	BC
83FA	E1					POP	HL
83FB	C9					RET	
83FC	E5					PUSH	HL
83FD	C5					PUSH	BC
83FE	0E	10				LD	C,010H
8400	26	01			S	LD	H,001H
8402	0D	EC	44		D	CALL	044ECH
8405	3E	09				LD	A,009H
8407	85					ADD	L
8408	6F				D	LD	L,A
8409	0D					DEC	C
840A	20	F4				JRNZ	08400H

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040C	C1					POP	BC
040D	E1					POP	HL
040E	C9					RET	
040F	DD	21	9F	45	I E	LD	IX,0459FH
0413	DD	5E	00		^	LD	E,(IX)
0416	DD	56	01		V	LD	D,(IX+01H)
0419	DE	04				LD	C,004H
041B	13					INC	DE
041C	1A					LD	A,(DE)
041D	CB	77			W	BIT	6,A
041F	1B					DEC	DE
0420	C4	2B	44		+D	CANZ	0442BH
0423	DB					RC	
0424	13					INC	DE
0425	13					INC	DE
0426	0D					DEC	C
0427	Z0	F2				JRNZ	0841BH
0429	AF					XOR	A
042A	C9					RET	
042B	CE					PUSH	BC
042C	EE					PUSH	HL
042D	E6	3F			?	AND	03FH
042F	80					ADD	B
0430	47				B	LD	B,A
0431	1A					LD	A,(DE)
0432	E6	3F			?	AND	03FH
0434	85					ADD	L
0435	67				B	LD	L,A
0436	CD	3C	44		(D	CALL	0443CH
0439	E1					POP	HL
043A	C1					POP	BC
043B	C9					RET	
043C	DE	CB				LD	C,00CBH
043E	Z0				-	DEC	L
043F	Z0				-	DEC	L
0440	04					INC	B
0441	ED	69			I	OUT	L
0443	ED	69			I	OUT	L
0445	ED	78			X	IN	A
0447	1F					RRR	
0448	C9					RET	
0449	DD	21	9F	45	I E	LD	IX,0459FH
044D	DD	5E	00		^	LD	E,(IX)
0450	DD	56	01		V	LD	D,(IX+01H)
0453	DE	04				LD	C,004H
0455	13					INC	DE
0456	1A					LD	A,(DE)
0457	CB	77				BIT	7,A
0459	1B					DEC	DE
045A	C4	65	44		eD	CANZ	0446BH
045D	DB					RC	
045E	13					INC	DE
045F	13					INC	DE
0460	0D					DEC	C
0461	Z0	F2				JRNZ	0845BH
0463	AF					XOR	A
0464	C9					RET	
0465	CE					PUSH	BC
0466	EE					PUSH	HL
0467	E6	3F			?	AND	03FH
0469	80					ADD	B





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8525	47			G	LD	B,A
8526	CD	31	45	1E	CALL	04531H
8529	E1				POP	HL
852A	C1				POP	BC
852B	D8				RC	
852C	0D				DEC	C
852D	20	E9			JRNZ	08518H
852F	AF				XOR	A
8530	C9				RET	
8531	E5				PUSH	HL
8532	C5				PUSH	BC
8533	0E	CB			LD	C,0CBH
8535	04				INC	B
8536	2C				INC	L
8537	ED	69			OUT	L
8539	ED	69			OUT	L
853B	ED	78		x	IN	A
853D	C1				POP	BC
853E	E1				POP	HL
853F	1F				RRA	
8540	C9				RET	
8541	26	09		8	LD	H,009H
8543	DD	21	9F	45	1 E	LD IX,0459FH
8547	DD	5E	00			LD E,(IX)
854A	DD	56	01	V		LD D,(IX+01H)
854D	0E	04				LD C,004H
854F	C5					PUSH BC
8550	E5					PUSH HL
8551	1A					LD A,(DE)
8552	E6	3F		7		AND 03FH
8554	83					ADD L
8555	6F			0		LD L,A
8556	13					INC DE
8557	1A					LD A,(DE)
8558	E6	3F		7		AND 03FH
855A	13					INC DE
855B	80					ADD B
855C	47			G		LD B,A
855D	CD	60	45	ME		CALL 0456DH
8560	CD	88	45	E		CALL 04588H
8563	E1					POP HL
8564	C1					POP BC
8565	0D					DEC C
8566	20	E7				JRNZ 0854FH
8568	05					DEC B
8569	23			X		DEC H
856A	20	D7				JRNZ 08543H
856C	C9					RET
856D	7D			0		LD A,L
856E	05					DEC B
856F	0E	C9				LD C,0C9H
8571	D9					EXX
8572	0E	02				LD C,002H
8574	06	08				LD B,008H
8576	D9					EXX
8577	ED	69				OUT L
8579	2C					INC L
857A	D9					EXX
857B	10	F7				DJNZ 08576H
857D	D9					EXX
857E	6F			0		LD L,A

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857F 78      X LD A,B
8580 C6 08   ADD 008H
8582 47      G LD B,A
8583 0E C8   LD C,0C8H
8585 D9      EXX
8586 0D      DEC C
8587 20 EB   JRNZ 08574H
8589 D9      EXX
858A C9      RET
858B 3A 9D 45 : E LD A,(0459DH)
858E 3D      = DEC A
858F C8      RZ
8590 C5      PUSH BC
8591 06 00   LD B,000H
8593 3A 9E 45 : E LD A,(0459EH)
8596 10 FE   DJNZ 08596H
8598 3D      = DEC A
8599 20 FB   JRNZ 08596H
859B C1      POP BC
859C C9      RET
859D 00      NOP
859E 01 8E 46 : F LD BC,0468EH
85A1 AE      XOR (HL)
85A2 46      F LD B,(HL)
85A3 00      NOP
85A4 90      SUB B
85A5 00      NOP
85A6 FB      EI
85A7 F5 00   PUSH AF
85A8 E5 00   PUSH HL
85A9 D5      PUSH DE
85AA 2A E7 45 * E LD HL,(045E7H)
85AD ED 58 E9 45 * E LD DE,(045E9H)
85B1 7D      0 LD A,L
85B2 C6 01   ADD 001H
85B4 27      ? DAA
85B5 6F      0 LD L,A
85B6 30 23   0# JRNC 085DBH
85B8 2E 00   . LD L,000H
85BA 7C      6 LD A,H
85BB C6 01   ADD 001H
85BD 27      ? DAA
85BE 67      9 LD H,A
85BF FE 60   CMP 060H
85C1 38 18   6 JRC 085DBH
85C3 26 00   8 LD H,000H
85C5 7B      6 LD A,E
85C6 C6 01   ADD 001H
85C8 27      ? DAA
85C9 5F      - LD E,A
85CA FE 60   CMP 060H
85CC 38 0D   8 JRC 085DBH
85CE 1E 00   LD E,000H
85D0 7A      2 LD A,D
85D1 C6 01   ADD 001H
85D3 27      ? DAA
85D4 57      W LD D,A
85D5 FE 42   B CMP 042H
85D7 38 02   8 JRC 085DBH
85D9 16 00   LD D,000H
85DB 22 E7 45 " E LD (045E7H),HL

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88DE	ED	53	E9	4E	S	E	LD	(048E9H),DE
88E2	D1						POP	DE
88E3	E1						POP	HL
88E4	F1						POP	AF
88E5	ED	4D			M		RETI	
88E7	89						ADC	C
88E8	02						LD	(BC),A
88E9	00						NOP	
88EA	00						NOP	
88EB	00						NOP	
88EC	0E	F7					LD	C,0F7H
88EE	4E				E		LD	B,L
88EF	1D						DEC	E
88F0	00						NOP	
88F1	00						NOP	
88F2	00						NOP	
88F3	00						NOP	
88F4	00						NOP	
88F5	80						ADD	B
88F6	00						NOP	
88F7	48				H		LD	C,B
88F8	49				I		LD	C,C
88F9	47				G		LD	B,A
88FA	48				H		LD	C,B
88FB	20	53			S		JRNZ	08650H
88FD	43				C		LD	B,E
88FE	4F				G		LD	C,A
88FF	52				R		LD	D,D
8900	4E				E		LD	B,L
8901	20	21			I		JRNZ	08624H
8903	21	0D			I		LD	HL,00D21H
8906	0D						DEC	C
8907	59				Y		LD	E,C
8908	4F				G		LD	C,A
8909	5E				U		LD	D,L
890A	52				R		LD	D,D
890B	20	4E			N		JRNZ	0865BH
890D	41				A		LD	B,C
890E	4D				M		LD	C,L
890F	4E				E		LD	B,L
8910	3A	0D	0D		S		LD	A,(00D0DH)
8913	FF						RST	7
8914	20	20					JRNZ	08636H
8916	20	20					JRNZ	08638H
8918	20	20					JRNZ	0863AH
891A	20	20					JRNZ	0863CH
891C	20	20					JRNZ	0863EH
891E	20	20					JRNZ	08640H
8920	20	20					JRNZ	08642H
8922	0D						DEC	C
8923	0D						DEC	C
8924	20	20					JRNZ	08646H
8926	20	20					JRNZ	08648H
8928	20	20					JRNZ	0864AH
892A	20	20					JRNZ	0864CH
892C	20	20					JRNZ	0864EH
892E	FF						RST	7
892F	00						NOP	
8930	0C						INC	C
8931	3B				S		DEC	SP
8932	4E				F		LD	B,(HL)

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8633	09			ADD	HL,BC
8634	00			NOP	
8635	00			NOP	
8636	00			NOP	
8637	00			NOP	
8638	00			NOP	
8639	80			ADD	B
863A	00			NOP	
863B	42		B	LD	B,D
863C	54		T	LD	D,H
863D	4B		K	LD	C,E
863E	20	32	2	JRNZ	08672H
8640	38	2E	8.	JRC	08670H
8642	39		9	ADD	HL,SP
8643	2E	00	.	LD	L,000H
8645	20	20		JRNZ	08667H
8647	35		5	DEC	(HL)
8648	38	36	86	JRC	08680H
864A	37		7	SCF	
864B	FF			RST	7
864C	88			SBC	C
864D	48			XOR	B
864E	88			ADC	C
864F	40		5	LD	B,B
8650	92			SUB	D
8651	80			ADD	B
8652	12			LD	(DE),A
8653	C9			RET	
8654	12			LD	(DE),A
8655	D2	80 40	5	JPNC	04080H
8658	89			ADC	C
8659	00			NOP	
865A	92			SUB	D
865B	80			ADD	B
865C	00			NOP	
865D	C9			RET	
865E	89			ADC	C
865F	C0			RNZ	
8660	09			ADD	HL,BC
8661	C9			RET	
8662	09			ADD	HL,BC
8663	52		R	LD	D,D
8664	92			SUB	D
8665	92			SUB	D
8666	92			SUB	D
8667	C0			RNZ	
8668	80			ADD	B
8669	49		I	LD	C,C
866A	89			ADC	C
866B	09			ADD	HL,BC
866C	12			LD	(DE),A
866D	89			ADC	C
866E	89			ADC	C
866F	40		5	LD	B,B
8670	92			SUB	D
8671	80			ADD	B
8672	09			ADD	HL,BC
8673	C9			RET	
8674	09			ADD	HL,BC
8675	D2	80 C0		JPNC	0C080H
8678	00			NOP	



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8679	49	I	LD	C,C
867A	89		ADC	C
867B	09		ADD	HL,BC
867C	92		SUB	D
867D	89		ADC	C
867E	89		ADC	C
867F	C0		RNZ	
8680	09		ADD	HL,BC
8681	C9		RET	
8682	80		ADD	B
8683	52	R	LD	D,D
8684	09		ADD	HL,BC
8685	92		SUB	D
8686	80		ADD	B
8687	40	E	LD	B,B
8688	89		ADC	C
8689	00		NOP	
868A	92		SUB	D
868B	80		ADD	B
868C	12		LD	(DE),A
868D	C9		RET	
868E	89		ADC	C
868F	C0		RNZ	
8690	80		ADD	B
8691	49	I	LD	C,C
8692	09		ADD	HL,BC
8693	89		ADC	C
8694	09		ADD	HL,BC
8695	D2 80 40	E	JFNC	04080H
8696	89		ADC	C
8697	00		NOP	
869A	92		SUB	D
869B	80		ADD	B
869C	09		ADD	HL,BC
869D	C9		RET	
869E	89		ADC	C
869F	C0		RNZ	
86A0	09		ADD	HL,BC
86A1	49	I	LD	C,C
86A2	92		SUB	D
86A3	89		ADC	C
86A4	09		ADD	HL,BC
86A5	D2 89 50		JFNC	0C089H
86A6	80		ADD	B
86A7	49	I	LD	C,C
86AA	09		ADD	HL,BC
86AB	09		ADD	HL,BC
86AC	92		SUB	D
86AD	89		ADC	C
86AE	89		ADC	C
86AF	C0		RNZ	
86B0	09		ADD	HL,BC
86B1	C9		RET	
86B2	09		ADD	HL,BC
86B3	D2 09 0B		JFNC	0DB09H
86B6	80		ADD	B
86B7	40	E	LD	B,B
86B8	89		ADC	C
86B9	00		NOP	
86BA	92		SUB	D
86BB	00		NOP	

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868C	98		SBC	E
868D	80		ADD	B
868E	89		ADC	C
868F	C0		RNZ	
86C0	09		ADD	HL,BC
86C1	09		RET	
86C2	09		ADD	HL,BC
86C3	D2	09 DB	JPNC	0DB09H
86C6	80		ADD	B
86C7	40	5	LD	B,B
86C8	89		ADC	C
86C9	00		NOP	
86CA	92		SUB	D
86CB	00		NOP	
86CC	98		SBC	E
86CD	80		ADD	B
86CE	80		ADD	B
86CF	40	5	LD	B,B
86D0	89		ADC	C
86D1	80		ADD	B
86D2	09		ADD	HL,BC
86D3	49	1	LD	C,C
86D4	92		SUB	D
86D5	89		ADC	C
86D6	92		SUB	D
86D7	C0		RNZ	
86D8	89		ADC	C
86D9	49	1	LD	C,C
86DA	12		LD	(DE),A
86DB	89		ADC	C
86DC	09		ADD	HL,BC
86DD	D2	80 40	JPNC	04080H
86E0	89		ADC	C
86E1	80		ADD	B
86E2	09		ADD	HL,BC
86E3	49	1	LD	C,C
86E4	92		SUB	D
86E5	89		ADC	C
86E6	92		SUB	D
86E7	C0		RNZ	
86E8	89		ADC	C
86E9	49	1	LD	C,C
86EA	12		LD	(DE),A
86EB	89		ADC	C
86EC	09		ADD	HL,BC
86ED	D2	89 40	JPNC	04089H
86F0	92		SUB	D
86F1	80		ADD	B
86F2	80		ADD	B
86F3	49	1	LD	C,C
86F4	09		ADD	HL,BC
86F5	89		ADC	C
86F6	80		ADD	B
86F7	C0		RNZ	
86F8	00		NOP	
86F9	49	1	LD	C,C
86FA	89		ADC	C
86FB	89		ADC	C
86FC	09		ADD	HL,BC
86FD	D2	89 40	JPNC	04089H
8700	92		SUB	D



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8751	20	FB		JRNZ	0874EH
8753	C1			POP	BC
8754	C9			RET	
8755	9F			SBC	A
8756	49		I	LD	C,C
8757	10	10		DJNZ	08769H
8759	03			INC	BC
875A	40		E	LD	B,B
875B	00			NOP	
875C	00			NOP	
875D	20	D9		JRNZ	08738H
875F	DD	6E 00	n	LD	L,(IX)
8762	DD	66 01	F	LD	H,(IX+01H)
8765	DD	46 02	F	LD	B,(IX+02H)
8768	DD	4E 03	N	LD	C,(IX+03H)
876B	DD	5E 05	"	LD	E,(IX+05H)
876E	D9			EXX	
876F	DD	7E 04	P	LD	A,(IX+04H)
8772	87			ADD	A
8773	6F		o	LD	L,A
8774	26	00	S	LD	H,000H
8776	11	7F 47	G	LD	DE,0477FH
8779	19			ADD	HL,DE
877A	5E		"	LD	E,(HL)
877B	23		#	INC	HL
877C	66		f	LD	H,(HL)
877D	6B		k	LD	L,E
877E	E9			JMP	(HL)
877F	34		4	INC	(HL)
8780	48		H	LD	C,B
8781	2A	48 91	#H	LD	HL,(09148H)
8784	47		G	LD	B,A
8785	09			ADD	HL,BC
8786	48		H	LD	C,B
8787	AB			XOR	E
8788	47		G	LD	B,A
8789	22	48 DF	"H	LD	(0DF48H),HL
878C	47		G	LD	B,A
878D	F9			LD	SP,HL
878E	47		G	LD	B,A
878F	05			PUSH	BC
8790	47		G	LD	B,A
8791	CD	39 49	9I	CALL	04939H
8794	D8			RC	
8795	CD	CA 48	H	CALL	048CAH
8798	D8			RC	
8799	CD	67 49	gI	CALL	04967H
879C	CD	F9 48	H	CALL	048F9H
879F	DD	4E 06	N	LD	C,(IX+06H)
87A2	DD	46 07	F	LD	B,(IX+07H)
87A5	03			INC	BC
87A6	DD	34 08	4	INC	(IX+08H)
87A9	18	6C	1	JR	08817H
87AB	CD	39 49	9I	CALL	04939H
87AE	D8			RC	
87AF	CD	BD 48	H	CALL	048BDH
87B2	D8			RC	
87B3	CD	67 49	gI	CALL	04967H
87B6	CD	F4 48	H	CALL	048F4H
87B9	DD	4E 06	N	LD	C,(IX+06H)
87BC	DD	46 07	F	LD	B,(IX+07H)

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87BF	03			INC	BC
87C0	DD 35 08	D		DEC	(IX+08H)
87C3	18 52	R		JR	08817H
87C5	CD 20 49	I		CALL	04920H
87C8	D8			RC	
87C9	CD CA 48	H		CALL	048CAH
87CC	D8			RC	
87CD	CD 77 49	MI		CALL	04977H
87D0	CD F9 48	H		CALL	048F9H
87D3	DD 4E 06	N		LD	C, (IX+06H)
87D6	DD 46 07	F		LD	B, (IX+07H)
87D9	08			DEC	BC
87DA	DD 34 08	4		INC	(IX+08H)
87DD	18 38	B		JR	08817H
87DF	CD 20 49	I		CALL	04920H
87E2	D8			RC	
87E3	CD BD 48	H		CALL	048BDH
87E6	D8			RC	
87E7	CD 77 49	MI		CALL	04977H
87EA	CD F4 48	H		CALL	048F4H
87ED	DD 4E 06	N		LD	C, (IX+06H)
87F0	DD 46 07	F		LD	B, (IX+07H)
87F3	08			DEC	BC
87F4	DD 35 08	B		DEC	(IX+08H)
87F7	18 1E			JR	08817H
87F9	CD 20 49	I		CALL	04920H
87FC	D8			RC	
87FD	CD 77 49	MI		CALL	04977H
8800	DD 4E 06	N		LD	C, (IX+06H)
8803	DD 46 07	F		LD	B, (IX+07H)
8806	08			DEC	BC
8807	18 0E			JR	08817H
8809	CD 39 49	PI		CALL	04939H
880C	D8			RC	
880D	CD 67 49	MI		CALL	04967H
8810	DD 4E 06	N		LD	C, (IX+06H)
8813	DD 46 07	F		LD	B, (IX+07H)
8816	03			INC	BC
8817	76	X		LD	A, B
8818	E6 01			AND	001H
881A	DD 71 06	q		LD	(IX+06H), C
881D	DD 77 07	w		LD	(IX+07H), A
8820	18 12			JR	08834H
8822	CD F4 48	H		CALL	048F4H
8825	DD 35 08	B		DEC	(IX+08H)
8828	18 0A			JR	08834H
882A	CD CA 48	H		CALL	048CAH
882D	D8			RC	
882E	CD F9 48	H		CALL	048F9H
8831	DD 34 08	4		INC	(IX+08H)
8834	CD 3D 48	=H		CALL	0483DH
8837	DD CB 05 06			RLC	(IX+05H)
8838	B7			OR	A
883C	C9			RET	
883D	DD 46 08	F		LD	B, (IX+08H)
8840	DD 6E 06	n		LD	L, (IX+06H)
8843	0E C0			LD	C, 0C0H
8845	DD CB 07 46	F		BIT	0, (IX+07H)
8849	28 02	(		JRZ	0884DH
884B	0E CB			LD	C, 0CBH
884D	DD 7E 04	B		LD	A, (IX+04H)

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8850	FE	05			DMP	005H
8852	30	26	08		JRNC	0887AH
8854	D9				EXX	
8855	7E		B		LD	A, (HL)
8856	A3				AND	E
8857	D9				EXX	
8858	CB	81			RES	0, C
885A	28	02			JRZ	0885EH
885C	CB	C1			SET	0, C
885E	ED	69			OUT	L
8860	D9				EXX	
8861	23		#		INC	HL
8862	05				DEC	B
8863	D9				EXX	
8864	F5				PUSH	AF
8865	2C				INC	L
8866	20	04			JRNZ	0886CH
8868	3E	08			LD	A, 008H
886A	A9				XOR	C
886B	4F		0		LD	C, A
886C	F1				POP	AF
886D	20	DE			JRNZ	0884DH
886F	05				DEC	B
8870	D9				EXX	
8871	DD	46 02		F	LD	B, (IX+02H)
8874	0D				DEC	C
8875	D9				EXX	
8876	20	C8			JRNZ	08840H
8878	B7				OR	A
8879	C9				RET	
887A	D9				EXX	
887B	C5				PUSH	BC
887C	48			H	LD	C, B
887D	06	00			LD	B, 000H
887F	08				DEC	BC
8880	09				ADD	HL, BC
8881	C1				POP	BC
8882	D9				EXX	
8883	D9				EXX	
8884	7E		B		LD	A, (HL)
8885	A3				AND	E
8886	D9				EXX	
8887	CB	81			RES	0, C
8889	28	02			JRZ	0886DH
888B	CB	C1			SET	0, C
888D	ED	69			OUT	L
888F	D9				EXX	
8890	2B			+	DEC	HL
8891	05				DEC	B
8892	D9				EXX	
8893	F5				PUSH	AF
8894	2C				INC	L
8895	20	04			JRNZ	0887BH
8897	3E	08			LD	A, 008H
8899	A9				XOR	C
889A	4F		0		LD	C, A
889B	F1				POP	AF
889C	20	E5			JRNZ	08863H
889E	05				DEC	B
889F	0E	C1			LD	C, 0C1H
88A1	DD	CB 07 46		F	BIT	0, (IX+07H)

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898A	AF			LD	L,A	
898B	30	04	0	JRNC	08991H	
898D	3E	08	)	LD	A,008H	
898F	A9			XOR	C	
8990	4F		0	LD	C,A	
8991	DD	46	08	F	LD	B,(IX+08H)
8994	DD	66	03	F	LD	H,(IX+03H)
8997	ED	69		I	OUT	L
8999	05				DEC	B
899A	25		X		DEC	H
899B	20	FA			JRNZ	08997H
899D	B7				OR	A
899E	C9				RET	
899F	00				NOP	
89A0	00				NOP	
89A1	00				NOP	
89A2	00				NOP	
89A3	00				NOP	
89A4	00				NOP	
89A5	00				NOP	
89A6	00				NOP	
89A7	00				NOP	
89A8	30	00	0	JRNC	089AAH	
89AA	00				NOP	
89AB	C0				RNZ	
89AC	00				NOP	
89AD	30	00	0	JRNC	089AFH	
89AF	00				NOP	
89B0	00				NOP	
89B1	00				NOP	
89B2	00				NOP	
89B3	00				NOP	
89B4	00				NOP	
89B5	00				NOP	
89B6	00				NOP	
89B7	0F				RRCA	
89B8	0F				RRCA	
89B9	3F		?		CCF	
89BA	C0				RNZ	
89BB	C0				RNZ	
89BC	30	30	00	JRNC	089EEH	
89BE	C0				RNZ	
89BF	00				NOP	
89C0	00				NOP	
89C1	00				NOP	
89C2	00				NOP	
89C3	00				NOP	
89C4	00				NOP	
89C5	00				NOP	
89C6	00				NOP	
89C7	00				NOP	
89C8	00				NOP	
89C9	3F		?		CCF	
89CA	FF				RST	7
89CB	C0				RNZ	
89CC	30	C0	0	JRNC	0898EH	
89CE	C0				RNZ	
89CF	00				NOP	
89D0	00				NOP	
89D1	00				NOP	
89D2	00				NOP	

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88A5	28	02		(	JRZ	088A9H	
88A7	08	D9			SET	B,C	
88A9	DD	6E	06	n	LD	L,(IX+06H)	
88AC	D9				EXX		
88AD	DD	46	02	F	LD	B,(IX+02H)	
88B0	C8				PUSH	BC	
88B1	48			H	LD	C,B	
88B2	06	00			LD	B,000H	
88B4	09				ADD	HL,BC	
88B5	09				ADD	HL,BC	
88B6	C1				POP	BC	
88B7	0D				DEC	C	
88B8	D9				EXX		
88B9	20	08			JRNZ	088B3H	
88BB	B7				OR	A	
88BC	C9				RET		
88BD	DD	66	02	F	LD	H,(IX+02H)	
88C0	DD	46	03	F	LD	B,(IX+03H)	
88C3	DD	7E	08	B	LD	A,(IX+08H)	
88C6	90				SUB	B	
88C7	47			B	LD	B,A	
88C8	18	07			JR	088D1H	
88CA	DD	66	02	F	LD	H,(IX+02H)	
88CD	DD	46	08	F	LD	B,(IX+08H)	
88D0	04				INC	B	
88D1	DD	6E	06	n	LD	L,(IX+06H)	
88D4	0E	C3			LD	C,0C3H	
88D6	DD	CB	07	46	F	BIT	0,(IX+07H)
88DA	28	02		(	JRZ	088DEH	
88DC	0E	CB			LD	C,0CBH	
88DE	ED	69		I	OUT	L	
88E0	ED	69		I	OUT	L	
88E2	ED	78		x	IN	A	
88E4	CB	47		B	BIT	0,A	
88E6	37			7	SCF		
88E7	C0				RNZ		
88E8	2C			,	INC	L	
88E9	20	04			JRNZ	088EFH	
88EB	3E	06		)	LD	A,006H	
88ED	A9				XOR	C	
88EE	4F			0	LD	C,A	
88EF	25			X	DEC	H	
88F0	20	EC			JRNZ	088DEH	
88F2	B7				OR	A	
88F3	C9				RET		
88F4	DD	46	08	F	LD	B,(IX+08H)	
88F7	18	09			JR	08902H	
88F9	DD	46	03	F	LD	B,(IX+03H)	
88FC	DD	7E	08	B	LD	A,(IX+08H)	
88FF	90				SUB	B	
8900	47			B	LD	B,A	
8901	04				INC	B	
8902	DD	66	02	F	LD	H,(IX+02H)	
8905	DD	6E	06	n	LD	L,(IX+06H)	
8908	0E	C0			LD	C,0C0H	
890A	DD	CB	07	46	F	BIT	0,(IX+07H)
890E	28	02		(	JRZ	08912H	
8910	08	D9			SET	B,C	
8912	ED	69		I	OUT	L	
8914	2C			,	INC	L	
8915	20	04			JRNZ	08918H	



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8917	3E	08				LD	A,008H
8919	A9					XOR	C
891A	4F			0		LD	C,A
891B	25			X		DEC	H
891C	20	F4				JRNZ	08912H
891E	B7					OR	A
891F	C9					RET	
8920	0E	03				LD	C,0C3H
8922	DD	CB	07	46	F	BIT	0,(IX+07H)
8926	28	02			(	JRZ	0892AH
8928	0E	CB				LD	C,0CBH
892A	DD	7E	06		B	LD	A,(IX+06H)
892D	B7					OR	A
892E	D6	01				SUB	001H
8930	6F			0		LD	L,A
8931	30	1E			0	JRNC	08931H
8933	3E	08				LD	A,008H
8935	A9					XOR	C
8936	4F			0		LD	C,A
8937	18	18				JR	08931H
8939	0E	03				LD	C,0C3H
893B	DD	CB	07	46	F	BIT	0,(IX+07H)
893F	28	02			(	JRZ	08943H
8941	0E	CB				LD	C,0CBH
8943	DD	7E	06		B	LD	A,(IX+06H)
8946	B7					OR	A
8947	DD	86	02			ADD	(IX+02H)
894A	6F			0		LD	L,A
894B	30	04			0	JRNC	08931H
894D	3E	08				LD	A,008H
894F	A9					XOR	C
8950	4F			0		LD	C,A
8951	DD	46	08		F	LD	B,(IX+08H)
8954	DD	66	03		F	LD	H,(IX+03H)
8957	ED	69			I	OUT	L
8959	ED	69			I	OUT	L
895B	ED	78			X	IN	A
895D	CB	47			0	BIT	0,A
895F	37			7		SCF	
8960	C0					RNZ	
8961	05					DEC	B
8962	25			X		DEC	H
8963	20	F2				JRNZ	08957H
8965	B7					OR	A
8966	C9					RET	
8967	0E	C0				LD	C,0C0H
8969	DD	CB	07	46	F	BIT	0,(IX+07H)
896D	28	02			(	JRZ	08971H
896F	0E	CB				LD	C,0CBH
8971	DD	6E	06		n	LD	L,(IX+06H)
8974	B7					OR	A
8975	18	1A				JR	08991H
8977	0E	C0				LD	C,0C0H
8979	DD	CB	07	46	F	BIT	0,(IX+07H)
897D	28	02			(	JRZ	08981H
897F	0E	CB				LD	C,0CBH
8981	DD	7E	06		B	LD	A,(IX+06H)
8984	DD	46	02		F	LD	B,(IX+02H)
8987	B7					OR	A
8988	05					DEC	B
8989	80					ADD	B