

Antor: Hannes Sommer Fred's Back II

Eide '94

```

..3000 AD 3F 39 LDA #393F
..3003 F0 74 BEQ #3079
..3005 AD 10 D0 LDA #D010
..3008 29 E0 AND #3E0 = %11100000
..300A 8D 10 D0 STA #D010
..300D A9 FF LDA #FF
..300F 8D 1C D0 STA #D01C
..3012 A9 B2 LDA #B2
..3014 8D 00 D0 STA #D000
..3017 18 CLC
..3018 69 1B ADC #1B
..301A 8D 02 D0 STA #D002
..301D 69 1B ADC #1B
..301F 8D 04 D0 STA #D004
..3022 69 1B ADC #1B
..3024 8D 06 D0 STA #D006
..3027 A9 78 LDA #78
..3029 8D 01 D0 STA #D001
..302C 8D 03 D0 STA #D003
..302F 8D 05 D0 STA #D005
..3032 8D 07 D0 STA #D007
..3035 A9 00 LDA #00
..3037 8D 09 D0 STA #D009
..303A A9 0C LDA #0C
..303C 8D 27 D0 STA #D027
..303F 8D 28 D0 STA #D028
..3042 8D 29 D0 STA #D029
..3045 8D 2A D0 STA #D02A
..3048 A2 08 LDX #08
..304A 8E F8 47 STX #47F8
..304D EB INX
..304E 8E F9 47 STX #47F9
..3051 EB INX
..3052 8E FA 47 STX #47FA
..3055 EB INX
..3056 8E FB 47 STX #47FB
..3059 A9 00 LDA #00
..305B 8D 49 39 STA #3949
..305E A9 8A LDA #8A
..3061 8D 12 D0 STA #D012
..3063 AD 42 39 LDA #3942
..3066 F0 0E BEQ #3076
..3068 A9 00 LDA #00
..306A 8D 00 D0 STA #D000
..306D 8D 02 D0 STA #D002
..3070 8D 04 D0 STA #D004
..3073 8D 06 D0 STA #D006
..3076 4C CD 32 JMP #32CD
..3079 AD 43 39 LDA #3943
..307C D0 F8 BNE #3076
..307E AD 65 39 LDA #3965
..3081 D0 7D BNE #3100
..3083 AD 4A 39 LDA #394A
..3086 29 3F AND #3F
..3088 D0 43 BNE #30CD
..308A AD 82 39 LDA #3982
..308D D0 1A BNE #30A9
..308F A9 22 LDA #22
..3091 8D 5A 39 STA #395A
..3094 EE A3 3A INC #3AA3
    
```

Sprite # use
%11100000 locken

Multicolor
an

Sprites
X-Position

Sprites Y-Pos

Sprite 4
grau

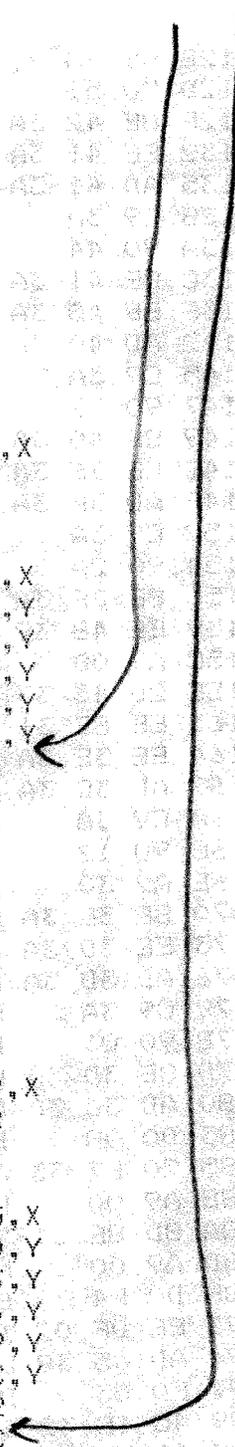
als Farbe

Blockpunkte
sehen

Sprites weg

```

..3097 A9 00 LDA #00
..3099 8D 40 37 STA #3740
..309C A9 02 LDA #02
..309E 20 43 37 JSR #3743
..30A1 A9 08 LDA #08
..30A3 8D 98 39 STA #3998
..30A6 4C 00 31 JMP #3100
..30A9 CE 82 39 DEC #3982
..30AC AD 82 39 LDA #3982
..30AF 4A LSR
..30B0 4A LSR
..30B1 AA TAX
..30B2 BC 89 39 LDY #3989,X
..30B5 AD 82 39 LDA #3982
..30B8 29 03 AND #03
..30BA AA TAX
..30BB BD 84 39 LDA #3984,X
..30BE 99 B0 40 STA #40B0,Y
..30C1 99 B3 40 STA #40B3,Y
..30C4 99 B6 40 STA #40B6,Y
..30C7 99 B9 40 STA #40B9,Y
..30CA 99 BC 40 STA #40BC,Y
..30CD AD 83 39 LDA #3983
..30D0 F0 2E BEQ #3100
..30D2 AD 82 39 LDA #3982
..30D5 C9 24 CMP #24
..30D7 F0 27 BEQ #3100
..30D9 CE 83 39 DEC #3983
..30DC AD 82 39 LDA #3982
..30DF 4A LSR
..30E0 4A LSR
..30E1 AA TAX
..30E2 BC 89 39 LDY #3989,X
..30E5 AD 82 39 LDA #3982
..30E8 29 03 AND #03
..30EA AA TAX
..30EB BD 85 39 LDA #3985,X
..30EE 99 B0 40 STA #40B0,Y
..30F1 99 B3 40 STA #40B3,Y
..30F4 99 B6 40 STA #40B6,Y
..30F7 99 B9 40 STA #40B9,Y
..30FA 99 BC 40 STA #40BC,Y
..30FD EE B2 39 INC #3982
..3100 AD 3C 3A LDA #3A3C
..3103 D0 03 BNE #3108
..3105 4C BD 31 JMP #318D
..3108 A2 30 LDX #30
..310A 8D 27 31 STA #3127
..310D C9 0A CMP #0A
..310F 90 0C BCC #311D
..3111 AD 3C 3A LDA #3A3C
..3114 38 SEC
..3115 E9 0A SBC #0A
..3117 8D 3C 3A STA #3A3C
..311A 4C 32 31 JMP #3132
..311D A9 00 LDA #00
..311F 8D 3C 3A STA #3A3C
..3122 AD 42 3A LDA #3A42
..3125 18 CLC
..3126 69 00 ADC #00
..3128 8D 42 3A STA #3A42
    
```



.312B C9 3A	CMP	##3A	..3108 A2 30	LDX	##30
.312D 90 51	BCC	\$3180	..310A 8E 15 8B	STX	\$8B15
.312F 8E 42 3A	STX	\$3A42	..310D A2 31	LDX	##31
.3132 EE 41 3A	INC	\$3A41	..310F 8E 17 8B	STX	\$8B17
.3135 AD 41 3A	LDA	\$3A41	..31D2 A9 A5	LDA	##A5
.3138 C9 3A	CMP	##3A	..31D4 8D 07 8D	STA	\$8D07
.313A 90 44	BCC	\$3180	..31D7 A9 01	LDA	##01
.313C 8E 41 3A	STX	\$3A41	..31D9 8D 13 9E	STA	\$9E13
.313F EE 40 3A	INC	\$3A40	..31DC A9 00	LDA	##00
.3142 AD 40 3A	LDA	\$3A40	..31DE 8D C5 8E	STA	\$8EC5
.3145 C9 3A	CMP	##3A	..31E1 8D CD 8C	STA	\$8CCD
.3147 90 37	BCC	\$3180	..31E4 8D F0 8C	STA	\$8CFO
.3149 8E 40 3A	STX	\$3A40	..31E7 8D FF 8C	STA	\$8CFF
.314C EE 3F 3A	INC	\$3A3F	..31EA 8D 68 8D	STA	\$8D68
.314F AD 3F 3A	LDA	\$3A3F	..31ED 8D 06 8D	STA	\$8D06
.3152 C9 3A	CMP	##3A	..31F0 F0 2A	BEQ	\$321C
.3154 90 2A	BCC	\$3180	..31F2 A9 01	LDA	##01
.3156 8E 3F 3A	STX	\$3A3F	..31F4 8D 65 39	STA	\$3965
.3159 EE 48 39	INC	\$3948	..31F7 A9 CB	LDA	##CB
.315C A9 08	LDA	##08	..31F9 8D 66 39	STA	\$3966
.315E 20 43 37	JSR	\$3743	..31FC A9 05	LDA	##05
.3161 EE 8E 31	INC	\$318E	..31FE 20 00 09	JSR	\$0900
.3164 EE 3E 3A	INC	\$3A3E	..3201 EE 40 39	INC	\$3940
.3167 AD 3E 3A	LDA	\$3A3E	..3204 EE 11 8B	INC	\$8B11
.316A C9 3A	CMP	##3A	..3207 EE 18 9E	INC	\$9E18
.316C 90 12	BCC	\$3180	..320A EE 17 8B	INC	\$8B17
.316E A2 30	LDX	##30	..320D AD 17 8B	LDA	\$8B17
.3170 8E 3E 3A	STX	\$3A3E	..3210 C9 3A	CMP	##3A
.3173 EE 3D 3A	INC	\$3A3D	..3212 D0 08	BNE	\$321C
.3176 AD 3D 3A	LDA	\$3A3D	..3214 A9 30	LDA	##30
.3179 C9 3A	CMP	##3A	..3216 8D 17 8B	STA	\$8B17
.317B 90 03	BCC	\$3180	..3219 EE 15 8B	INC	\$8B15
.317D 8E 3D 3A	STX	\$3A3D	..321C AD 66 39	LDA	\$3966
.3180 AD 3C 3A	LDA	\$3A3C	..321F F0 20	BEQ	\$3241
.3183 D0 08	BNE	\$318D	..3221 CE 66 39	DEC	\$3966
.3185 20 E7 33	JSR	\$33E7	..3224 D0 67	BNE	\$328D
.3188 A9 00	LDA	##00	..3226 AD 65 39	LDA	\$3965
.318A 8D 8E 31	STA	\$318E	..3229 C9 02	CMP	##02
.318D A9 00	LDA	##00	..322B D0 47	BNE	\$3274
.318F D0 F4	BNE	\$3185	..322D AD 48 39	LDA	\$3948
.3191 EE BF 02	INC	\$02BF	..3230 D0 12	BNE	\$3244
.3194 AD 65 39	LDA	\$3965	..3232 A9 DC	LDA	##DC
.3197 F0 03	BEQ	\$319C	..3234 8D 66 39	STA	\$3966
.3199 4C 1C 32	JMP	\$321C	..3237 A9 02	LDA	##02
.319C AD F3 80	LDA	\$B0F3	..3239 20 00 09	JSR	\$0900
.319F 29 01	AND	##01	..323C A9 03	LDA	##03
.31A1 F0 79	BEQ	\$321C	..323E 8D 65 39	STA	\$3965
.31A3 AD 53 3A	LDA	\$3A53	..3241 4C CD 32	JMP	\$32CD
.31A6 C9 50	CMP	##50	..3244 CE 48 39	DEC	\$3948
.31A8 90 72	BCC	\$321C	..3247 EE 41 39	INC	\$3941
.31AA AD 15 8B	LDA	\$8B15	..324A AD 46 39	LDA	\$3946
.31AD C9 31	CMP	##31	..324D C9 06	CMP	##06
.31AF D0 41	BNE	\$31F2	..324F 90 18	BCC	\$3269
.31B1 AD 17 8B	LDA	\$8B17	..3251 A9 05	LDA	##05
.31B4 C9 30	CMP	##30	..3253 8D 63 3A	STA	\$3A63
.31B6 D0 3A	BNE	\$31F2	..3256 8D 46 39	STA	\$3946
.31B8 EE 3F 39	INC	\$393F	..3259 A9 01	LDA	##01
.31BB EE 42 39	INC	\$3942	..325B 8D 44 39	STA	\$3944
.31BE A9 04	LDA	##04	..325E 8D 45 39	STA	\$3945
.31C0 20 00 09	JSR	\$0900	..3261 A9 05	LDA	##05
.31C3 A9 01	LDA	##01	..3263 8D 65 3A	STA	\$3A65
.31C5 8D C6 8C	STA	\$8CC6			

level finished
Musik spiele

Ende

Leben
nicht null

Game Over
Musik spielen

und Tschüss
Leben erwidert

Congratulations
spielen

```

.,3266 4C 54 8B JMP #8B54
.,3269 A9 00 LDA #400
.,326B 8D 44 39 STA #3944
.,326E 8D 46 39 STA #3946
.,3271 4C 54 8B JMP #8B54
.,3274 C9 03 CMP #403
.,3276 D0 15 BNE #328D
.,3278 EE 41 39 INC #3941
.,327B EE 3F 39 INC #393F
.,327E AD A1 CF LDA #CFA1
.,3281 8D 67 39 STA #3967
.,3284 AD A2 CF LDA #CFA2
.,3287 8D 68 39 STA #3968
.,328A 4C 54 8B JMP #8B54
.,328D AD 65 39 LDA #3965
.,3290 C9 01 CMP #401
.,3292 D0 39 BNE #32CD
.,3294 AD 82 39 LDA #3982
.,3297 F0 34 BEQ #32CD
.,3299 AD 4A 39 LDA #394A
.,329C 29 01 AND #401
.,329E D0 2D BNE #32CD
.,32A0 CE B2 39 DEC #3982
.,32A3 AD 82 39 LDA #3982
.,32A6 4A LSR
.,32A7 4A LSR
.,32A8 AA TAX
.,32A9 BC 89 39 LDY #3989,X
.,32AC AD 82 39 LDA #3982
.,32AF 29 03 AND #403
.,32B1 AA TAX
.,32B2 BD 84 39 LDA #3984,X
.,32B5 99 B0 40 STA #40B0,Y
.,32B8 99 B3 40 STA #40B3,Y
.,32BB 99 B6 40 STA #40B6,Y
.,32BE 99 B9 40 STA #40B9,Y
.,32C1 99 BC 40 STA #40BC,Y
.,32C4 AD 3C 3A LDA #3A3C
.,32C7 18 CLC
.,32C8 69 0A ADC #40A
.,32CA 8D 3C 3A STA #3A3C
.,32CD 4C 8A 33 JMP #338A
.,32D0 AD 4F 39 LDA #394F
.,32D3 48 PHA
.,32D4 29 0F AND #40F
.,32D6 18 CLC
.,32D7 69 30 ADC #430
.,32D9 C9 3A CMP #43A
.,32DB 90 03 BCC #32E0
.,32DD 38 SEC
.,32DE E9 39 SBC #439
.,32E0 A2 A6 LDX #4A6
.,32E2 C9 20 CMP #420
.,32E4 90 01 BCC #32E7
.,32E6 EB INX
.,32E7 0A ASL
.,32E8 0A ASL
.,32E9 0A ASL
.,32EA 8D 1A 33 STA #331A
.,32ED BE 1B 33 STX #331B
.,32F0 68 PLA
.,32F1 4A LSR

```

```

.,32F2 4A LSR
.,32F3 4A LSR
.,32F4 4A LSR
.,32F5 18 CLC
.,32F6 69 30 ADC #430
.,32F8 C9 3A CMP #43A
.,32FA 90 03 BCC #32FF
.,32FC 38 SEC
.,32FD E9 39 SBC #439
.,32FF A2 A6 LDX #4A6
.,3301 C9 20 CMP #420
.,3303 90 01 BCC #3306
.,3305 EB INX
.,3306 0A ASL
.,3307 0A ASL
.,3308 0A ASL
.,3309 BD 14 33 STA #3314
.,330C BE 15 33 STX #3315
.,330F A2 00 LDX #400
.,3311 A0 00 LDY #400
.,3313 BD 08 A6 LDA #A608,X
.,3316 99 90 40 STA #4090,Y
.,3319 BD 08 A6 LDA #A608,X
.,331C 99 91 40 STA #4091,Y
.,331F BD C0 A6 LDA #A6C0,X
.,3322 99 BF 40 STA #40BF,Y
.,3325 EB INX
.,3326 CB INY
.,3327 CB INY
.,3328 CB INY
.,3329 C0 18 CPY #418
.,332B D0 E6 BNE #3313
.,332D AD 4E 39 LDA #394E
.,3330 48 PHA
.,3331 29 0F AND #40F
.,3333 18 CLC
.,3334 69 30 ADC #430
.,3336 C9 3A CMP #43A
.,3338 90 03 BCC #333D
.,333A 38 SEC
.,333B E9 39 SBC #439
.,333D A2 A6 LDX #4A6
.,333F C9 20 CMP #420
.,3341 90 01 BCC #3344
.,3343 EB INX
.,3344 0A ASL
.,3345 0A ASL
.,3346 0A ASL
.,3347 8D 77 33 STA #3377
.,334A BE 78 33 STX #3378
.,334D 68 PLA
.,334E 4A LSR
.,334F 4A LSR
.,3350 4A LSR
.,3351 4A LSR
.,3352 18 CLC
.,3353 69 30 ADC #430
.,3355 C9 3A CMP #43A
.,3357 90 03 BCC #335C
.,3359 38 SEC
.,335A E9 39 SBC #439

```

,335C	A2	A6	LDX	##A6	,33E2	60	RTS
,335E	C9	20	CMP	##20	,33E3	9D 8B 3A	STA #3A8B,X
,3360	90	01	BCC	#3363	,33E6	60	RTS
,3362	EB		INX		,33E7	AD 3D 3A	LDA #3A3D
,3363	0A		ASL		,33EA	29 1F	AND ##1F
,3364	0A		ASL		,33EC	0A	ASL
,3365	0A		ASL		,33ED	0A	ASL
,3366	8D	71 33	STA	#3371	,33EE	0A	ASL
,3369	8E	72 33	STX	#3372	,33EF	8D 50 34	STA #3450
,336C	A2	00	LDX	##00	,33F2	AD 3E 3A	LDA #3A3E
,336E	A0	00	LDY	##00	,33F5	29 1F	AND ##1F
,3370	BD	08 A6	LDA	#A608,X	,33F7	0A	ASL
,3373	99	D0 40	STA	#40D0,Y	,33F8	0A	ASL
,3376	BD	08 A6	LDA	#A608,X	,33F9	0A	ASL
,3379	99	D1 40	STA	#40D1,Y	,33FA	8D 59 34	STA #3459
,337C	BD	08 A6	LDA	#A608,X	,33FD	AD 3F 3A	LDA #3A3F
,337F	99	CF 40	STA	#40CF,Y	,3400	29 1F	AND ##1F
,3382	EB		INX		,3402	0A	ASL
,3383	CB		INX		,3403	0A	ASL
,3384	CB		INX		,3404	0A	ASL
,3385	CB		INX		,3405	8D 5F 34	STA #345F
,3386	C0	18	CPY	##18	,3408	AD 40 3A	LDA #3A40
,3388	D0	E6	BNE	#3370	,340B	29 1F	AND ##1F
,338A	A9	00	LDA	##00	,340D	0A	ASL
,338C	8D	BF 02	STA	#02BF	,340E	0A	ASL
,338F	EE	19 D0	INC	#D019	,340F	0A	ASL
,3392	4C	4E 8B	JMP	#8B4E	,3410	BD 65 34	STA #3465
,3395	10	12	BPL	#33A9	,3413	AD 41 3A	LDA #3A41
,3397	1B		CLC		,3416	29 1F	AND ##1F
,3398	7D	93 3A	ADC	#3A93,X	,3418	0A	ASL
,339B	9D	93 3A	STA	#3A93,X	,3419	0A	ASL
,339E	B0	08	BCC	#33AB	,341A	0A	ASL
,33A0	29	0F	AND	##0F	,341B	BD 6B 34	STA #346B
,33A2	9D	93 3A	STA	#3A93,X	,341E	AD 42 3A	LDA #3A42
,33A5	DE	83 3A	DEC	#3A83,X	,3421	29 1F	AND ##1F
,33A8	60		RTS		,3423	0A	ASL
,33A9	1B		CLC		,3424	0A	ASL
,33AA	7D	93 3A	ADC	#3A93,X	,3425	0A	ASL
,33AD	C9	10	CMP	##10	,3426	8D 71 34	STA #3471
,33AF	90	09	BCC	#33BA	,3429	AD 48 39	LDA #3948
,33B1	29	0F	AND	##0F	,342C	1B	CLC
,33B3	9D	93 3A	STA	#3A93,X	,342D	69 30	ADC ##30
,33B6	FE	83 3A	INC	#3A83,X	,342F	0A	ASL
,33B9	60		RTS		,3430	0A	ASL
,33BA	9D	93 3A	STA	#3A93,X	,3431	0A	ASL
,33BD	60		RTS		,3432	8D 77 34	STA #3477
,33BE	10	12	BPL	#33D2	,3435	AD 15 8B	LDA #8B15
,33C0	1B		CLC		,3438	38	SEC
,33C1	7D	8B 3A	ADC	#3A8B,X	,3439	E9 20	SBC ##20
,33C4	9D	8B 3A	STA	#3A8B,X	,343B	0A	ASL
,33C7	B0	08	BCC	#33D1	,343C	0A	ASL
,33C9	29	0F	AND	##0F	,343D	0A	ASL
,33CB	9D	8B 3A	STA	#3A8B,X	,343E	8D 7D 34	STA #347D
,33CE	DE	7B 3A	DEC	#3A7B,X	,3441	AD 17 8B	LDA #8B17
,33D1	60		RTS		,3444	38	SEC
,33D2	1B		CLC		,3445	E9 20	SBC ##20
,33D3	7D	8B 3A	ADC	#3A8B,X	,3447	0A	ASL
,33D6	C9	10	CMP	##10	,3448	0A	ASL
,33D8	90	09	BCC	#33E3	,3449	0A	ASL
,33DA	29	0F	AND	##0F	,344A	8D 83 34	STA #3483
,33DC	9D	8B 3A	STA	#3A8B,X	,344D	A2 07	LDX ##07
,33DF	FE	7B 3A	INC	#3A7B,X			

4

.344F	BD	80	A7	LDA	#A780,X	.34F0	8E	FB	47	STX	#47FB
.3452	BC	BC	8E	LDY	#BEBC,X	.34F3	E8			INX	
.3455	99	27	40	STA	#4027,Y	.34F4	BE	FC	47	STX	#47FC
.3458	BD	80	A7	LDA	#A780,X	.34F7	A2	07		LDX	#07
.345B	99	28	40	STA	#4028,Y	.34F9	BE	FD	47	STX	#47FD
.345E	BD	80	A7	LDA	#A780,X	.34FC	A2	07		LDX	#07
.3461	99	29	40	STA	#4029,Y	.34FE	8E	FE	47	STX	#47FE
.3464	BD	80	A7	LDA	#A780,X	.3501	A9	01		LDA	#01
.3467	99	67	40	STA	#4067,Y	.3503	8D	28	D0	STA	#D028
.346A	BD	80	A7	LDA	#A780,X	.3506	8D	2C	D0	STA	#D02C
.346D	99	68	40	STA	#4068,Y	.3509	A9	02		LDA	#02
.3470	BD	80	A7	LDA	#A780,X	.350B	8D	29	D0	STA	#D029
.3473	99	69	40	STA	#4069,Y	.350E	A9	01		LDA	#01
.3476	BD	80	A7	LDA	#A780,X	.3510	8D	2A	D0	STA	#D02A
.3479	99	E9	41	STA	#41E9,Y	.3513	A9	01		LDA	#01
.347C	BD	80	A7	LDA	#A780,X	.3515	8D	2B	D0	STA	#D02B
.347F	99	12	41	STA	#4112,Y	.3518	60			RTS	
.3482	BD	88	A7	LDA	#A788,X	.3519	A2	00		LDX	#00
.3485	99	13	41	STA	#4113,Y	.351B	BD	65	C0	LDA	#C065,X
.3488	CA			DEX		.351E	BC	00	BC	LDY	#BC00,X
.3489	10	C4		BPL	#344F	.3521	9D	00	BC	STA	#BC00,X
.348B	60			RTS		.3524	98			TYA	
.348C	A9	FF		LDA	#FF	.3525	9D	65	C0	STA	#C065,X
.348E	8D	1D	D0	STA	#D01D	.352B	BD	65	C1	LDA	#C165,X
.3491	8D	15	D0	STA	#D015	.352B	BC	00	BD	LDY	#BD00,X
.3494	8D	17	D0	STA	#D017	.352E	9D	00	BD	STA	#BD00,X
.3497	AD	A0	CF	LDA	#CFA0	.3531	98			TYA	
.349A	8D	21	D0	STA	#D021	.3532	9D	65	C1	STA	#C165,X
.349D	A9	00		LDA	#00	.3535	BD	65	C2	LDA	#C265,X
.349F	8D	1C	D0	STA	#D01C	.3538	BC	00	BE	LDY	#BE00,X
.34A2	A9	60		LDA	#60	.353B	9D	00	BE	STA	#BE00,X
.34A4	8D	10	D0	STA	#D010	.353E	98			TYA	
.34A7	A9	28		LDA	#28	.353F	9D	65	C2	STA	#C265,X
.34A9	8D	01	D0	STA	#D001	.3542	BD	65	C3	LDA	#C365,X
.34AC	8D	03	D0	STA	#D003	.3545	BC	00	BF	LDY	#BF00,X
.34AF	8D	05	D0	STA	#D005	.3548	9D	00	BF	STA	#BF00,X
.34B2	8D	07	D0	STA	#D007	.354B	98			TYA	
.34B5	8D	09	D0	STA	#D009	.354C	9D	65	C3	STA	#C365,X
.34B8	8D	0B	D0	STA	#D00B	.354F	CA			DEX	
.34BB	8D	0D	D0	STA	#D00D	.3550	D0	C9		BNE	#351B
.34BE	A9	20		LDA	#20	.3552	A2	07		LDX	#07
.34C0	8D	00	D0	STA	#D000	.3554	BD	A0	CF	LDA	#CFA0,X
.34C3	18			CLC		.3557	BC	AB	CF	LDY	#CFAB,X
.34C4	69	30		ADC	#30	.355A	9D	AB	CF	STA	#CFAB,X
.34C6	8D	02	D0	STA	#D002	.355D	98			TYA	
.34C9	69	3A		ADC	#3A	.355E	9D	A0	CF	STA	#CFA0,X
.34CB	8D	04	D0	STA	#D004	.3561	CA			DEX	
.34CE	69	30		ADC	#30	.3562	10	F0		BPL	#3554
.34D0	8D	06	D0	STA	#D006	.3564	60			RTS	
.34D3	69	30		ADC	#30	.3565	A2	18		LDX	#18
.34D5	8D	08	D0	STA	#D008	.3567	9D	00	D4	STA	#D400,X
.34D8	69	2E		ADC	#2E	.356A	CA			DEX	
.34DA	8D	0A	D0	STA	#D00A	.356B	10	FA		BPL	#3567
.34DD	69	64		ADC	#64	.356D	A9	0F		LDA	#0F
.34DF	8D	0C	D0	STA	#D00C	.356F	8D	18	D4	STA	#D418
.34E2	A2	00		LDX	#00	.3572	78			SEI	
.34E4	8E	F8	47	STX	#47F8	.3573	A9	64		LDA	#64
.34E7	E8			INX		.3575	CD	12	D0	CMP	#D012
.34E8	8E	F9	47	STX	#47F9	.3578	D0	FB		BNE	#3575
.34EB	E8			INX		.357A	EE	BF	02	INC	#02BF
.34EC	8E	FA	47	STX	#47FA	.357D	20	B1	35	JSR	#35B1
.34EF	E8			INX							

.,3580	CE	BF	02	DEC	#02BF	.,3604	0A	ASL	
.,3583	A9	FA		LDA	#FA	.,3605	0A	ASL	
.,3585	CD	12	D0	CMP	#D012	.,3606	14	???	
.,3588	D0	FB		BNE	#35B5	.,3607	28	PLP	
.,358A	EE	BF	02	INC	#02BF	.,3608	50	A0	BVC #35AA
.,358D	20	B1	35	JSR	#35B1	.,360A	03	???	
.,3590	CE	BF	02	DEC	#02BF	.,360B	03	???	
.,3593	A9	00		LDA	#00	.,360C	05	0A	ORA #0A
.,3595	8D	77	02	STA	#0277	.,360E	14	???	
.,3598	85	C6		STA	#C6	.,360F	28	PLP	
.,359A	20	87	EA	JSR	#EAB7	.,3610	50	A0	BVC #35B2
.,359D	AD	77	02	LDA	#0277	.,3612	C9	03	CMP #03
.,35A0	C9	31		CMP	#31	.,3614	D0	0D	BNE #3623
.,35A2	90	CE		BCC	#3572	.,3616	AD	42	37 LDA #3742
.,35A4	C9	3A		CMP	#3A	.,3619	18		CLC
.,35A6	B0	CA		BCS	#3572	.,361A	69	04	ADC #04
.,35A8	38			SEC		.,361C	8D	42	37 STA #3742
.,35A9	E9	30		SBC	#30	.,361F	8D	0F	D4 STA #D40F
.,35AB	20	43	37	JSR	#3743	.,3622	60		RTS
.,35AE	4C	72	35	JMP	#3572	.,3623	C9	04	CMP #04
.,35B1	AD	40	37	LDA	#3740	.,3625	D0	28	BNE #3652
.,35B4	D0	01		BNE	#35B7	.,3627	AD	42	37 LDA #3742
.,35B6	60			RTS		.,362A	18		CLC
.,35B7	CE	41	37	DEC	#3741	.,362B	69	0A	ADC #0A
.,35BA	D0	09		BNE	#35C5	.,362D	8D	42	37 STA #3742
.,35BC	A9	00		LDA	#00	.,3630	8D	0F	D4 STA #D40F
.,35BE	8D	40	37	STA	#3740	.,3633	AD	41	37 LDA #3741
.,35C1	8D	12	D4	STA	#D412	.,3636	29	07	AND #07
.,35C4	60			RTS		.,3638	D0	09	BNE #3643
.,35C5	C9	01		CMP	#01	.,363A	AD	42	37 LDA #3742
.,35C7	D0	19		BNE	#35E2	.,363D	38		SEC
.,35C9	AD	41	37	LDA	#3741	.,363E	E9	48	SBC #48
.,35CC	C9	07		CMP	#07	.,3640	8D	42	37 STA #3742
.,35CE	D0	05		BNE	#35D5	.,3643	A2	11	LDX #11
.,35D0	A9	11		LDA	#11	.,3645	AD	41	37 LDA #3741
.,35D2	8D	12	D4	STA	#D412	.,3648	29	03	AND #03
.,35D5	AD	42	37	LDA	#3742	.,364A	D0	02	BNE #364E
.,35D8	18			CLC		.,364C	A2	B1	LDX #B1
.,35D9	69	06		ADC	#06	.,364E	8E	12	D4 STX #D412
.,35DB	8D	42	37	STA	#3742	.,3651	60		RTS
.,35DE	8D	0F	D4	STA	#D40F	.,3652	C9	05	CMP #05
.,35E1	60			RTS		.,3654	D0	21	BNE #3677
.,35E2	C9	06		CMP	#06	.,3656	AD	41	37 LDA #3741
.,35E4	D0	2C		BNE	#3612	.,3659	C9	15	CMP #15
.,35E6	AE	41	37	LDX	#3741	.,365B	B0	11	BCS #366E
.,35E9	BD	F4	35	LDA	#35F4, X	.,365D	29	07	AND #07
.,35EC	4A			LSR		.,365F	AA		TAX
.,35ED	8D	42	37	STA	#3742	.,3660	BD	6F	36 LDA #366F, X
.,35F0	8D	0F	D4	STA	#D40F	.,3663	18		CLC
.,35F3	60			RTS		.,3664	69	EB	ADC #EB
.,35F4	03			???		.,3666	8D	0F	D4 STA #D40F
.,35F5	03			???		.,3669	A9	11	LDA #11
.,35F6	03			???		.,366B	8D	12	D4 STA #D412
.,35F7	05	05		ORA	#05	.,366E	60		RTS
.,35F9	05	0A		ORA	#0A	.,366F	00		BRK
.,35FB	0A			ASL		.,3670	02		???
.,35FC	14			???		.,3671	04		???
.,35FD	28			PLP		.,3672	08		PHP
.,35FE	50	A0		BVC	#35A0	.,3673	0A		ASL
.,3600	03			???		.,3674	08		PHP
.,3601	03			???		.,3675	04		???
.,3602	05	05		ORA	#05				

Tastaturpuffer
Tastatur abfr.
kleiner "1"
größer "3"
- "0"

,3676	02	???			,36F2	D0	02	BNE	#36F6		
,3677	C9	02	CMP	##02	,36F4	A2	81	LDX	##81		
,3679	D0	0D	BNE	#3688	,36F6	BE	12	D4	STX	#D412	
,367B	AD	42	37	LDA	#3742	,36F9	AD	42	37	LDA	#3742
,367E	18		CLC		,36FC	38		SEC			
,367F	69	03	ADC	##03	,36FD	E9	02	SBC	##02		
,3681	8D	42	37	STA	#3742	,36FF	8D	42	37	STA	#3742
,3684	8D	0F	D4	STA	#D40F	,3702	8D	0F	D4	STA	#D40F
,3687	60		RTS		,3705	60		RTS			
,3688	C9	08	CMP	##08	,3706	A9	00	LDA	##00		
,368A	D0	57	BNE	#36E3	,3708	8D	40	37	STA	#3740	
,368C	AD	41	37	LDA	#3741	,370B	A9	05	LDA	##05	
,368F	29	07	AND	##07	,370D	4C	43	37	JMP	#3743	
,3691	D0	21	BNE	#36B4	,3710	C9	09	CMP	##09		
,3693	AD	41	37	LDA	#3741	,3712	D0	2B	BNE	#373F	
,3696	4A		LSR		,3714	AD	42	37	LDA	#3742	
,3697	4A		LSR		,3717	1B		CLC			
,3698	4A		LSR		,3718	69	02	ADC	##02		
,3699	AA		TAX		,371A	BD	42	37	STA	#3742	
,369A	A9	00	LDA	##00	,371D	BD	0F	D4	STA	#D40F	
,369C	8D	13	D4	STA	#D413	,3720	A2	81	LDX	##81	
,369E	A9	0F	LDA	##0F	,3722	AD	41	37	LDA	#3741	
,36A1	BD	13	D4	STA	#D413	,3725	29	03	AND	##03	
,36A4	BD	D6	36	LDA	#36D6,X	,3727	D0	02	BNE	#372B	
,36A7	8D	42	37	STA	#3742	,3729	A2	11	LDX	##11	
,36AA	BD	0F	D4	STA	#D40F	,372B	BE	12	D4	STX	#D412
,36AD	A9	81	LDA	##81	,372E	AD	41	37	LDA	#3741	
,36AF	8D	12	D4	STA	#D412	,3731	29	0F	AND	##0F	
,36B2	D0	09	BNE	#36BD	,3733	D0	09	BNE	#373E		
,36B4	C9	06	CMP	##06	,3735	AD	42	37	LDA	#3742	
,36B6	D0	05	BNE	#36BD	,3738	38		SEC			
,36BB	A9	11	LDA	##11	,3739	E9	14	SBC	##14		
,36BA	8D	12	D4	STA	#D412	,373B	BD	42	37	STA	#3742
,36BD	AD	41	37	LDA	#3741	,373E	60		RTS		
,36C0	29	07	AND	##07	,373F	60		RTS			
,36C2	AA		TAX		,3740	00		BRK			
,36C3	AD	42	37	LDA	#3742	,3741	00		BRK		
,36C6	18		CLC		,3742	00		BRK			
,36C7	7D	CE	36	ADC	#36CE,X	,3743	BE	51	37	STX	#3751
,36CA	8D	0F	D4	STA	#D40F	,3746	AE	66	39	LDX	#3966
,36CD	60		RTS		,3749	D0	05	BNE	#3750		
,36CE	00		BRK		,374B	CD	40	37	CMP	#3740	
,36CF	02	???			,374E	EO	03	BCS	#3753		
,36D0	03	???			,3750	A2	00	LDX	##00		
,36D1	02	???			,3752	60		RTS			
,36D2	00		BRK		,3753	8D	40	37	STA	#3740	
,36D3	FF	???			,3756	0A		ASL			
,36D4	FD	FF	00	SBC	#00FF,X	,3757	0A		ASL		
,36D7	46	46	LSR	#46	,3758	0A		ASL			
,36D9	46	5D	LSR	#5D	,3759	AA		TAX			
,36DB	75	5D	ADC	#5D,X	,375A	A9	00	LDA	##00		
,36DD	75	75	ADC	#75,X	,375C	D0	F2	BNE	#3750		
,36DF	75	8B	ADC	#8B,X	,375E	A9	00	LDA	##00		
,36E1	8B	???			,3760	BD	12	D4	STA	#D412	
,36E2	8B	???			,3763	BD	93	37	LDA	#3793,X	
,36E3	C9	07	CMP	##07	,3766	BD	41	37	STA	#3741	
,36E5	D0	29	BNE	#3710	,3769	BD	96	37	LDA	#3796,X	
,36E7	AD	41	37	LDA	#3741	,376C	BD	13	D4	STA	#D413
,36EA	C9	43	CMP	##43	,376F	BD	97	37	LDA	#3797,X	
,36EC	90	18	BCC	#3706	,3772	BD	14	D4	STA	#D414	
,36EE	A2	11	LDX	##11	,3775	BD	98	37	LDA	#3798,X	
,36F0	29	01	AND	##01							

```

,3778 8D 10 D4 STA $D410
,377B BD 99 37 LDA $3799,X
,377E 8D 11 D4 STA $D411
,3781 BD 94 37 LDA $3794,X
,3784 8D 42 37 STA $3742
,3787 8D 0F D4 STA $D40F
,378A BD 95 37 LDA $3795,X
,378D 8D 12 D4 STA $D412
,3790 4C 50 37 JMP $3750
,3793 00 BRK
,3794 00 BRK
,3795 00 BRK
,3796 00 BRK
,3797 00 BRK
,3798 00 BRK
,3799 00 BRK
,379A 00 BRK
,379B 0C ???
,379C 0A ASL
,379D B1 0A STA ($0A,X)
,379F 00 BRK
,37A0 00 BRK
,37A1 00 BRK
,37A2 00 BRK
,37A3 20 0A 11 JSR $110A
,37A6 0F ???
,37A7 00 BRK
,37A8 00 BRK
,37A9 00 BRK
,37AA 00 BRK
,37AB 0E 14 11 ASL $1114
,37AE 0B ???
,37AF 00 BRK
,37B0 00 BRK
,37B1 00 BRK
,37B2 00 BRK
,37B3 19 78 11 ORA $1178,Y
,37B6 09 00 ORA #$00
,37BB 00 BRK
,37B9 00 BRK
,37BA 00 BRK
,37BB 19 1E B1 ORA $B11E,Y
,37BE 0A ASL
,37BF 00 BRK
,37C0 00 BRK
,37C1 00 BRK
,37C2 00 BRK
,37C3 23 ???
,37C4 28 PLP
,37C5 81 0B STA ($0B,X)
,37C7 00 BRK
,37CB 00 BRK
,37C9 00 BRK
,37CA 00 BRK
,37CB 8C 78 B1 STY $B178
,37CE 0F ???
,37CF 00 BRK
,37D0 00 BRK
,37D1 00 BRK
,37D2 00 BRK
,37D3 32 ???
,37D4 00 BRK

```

```

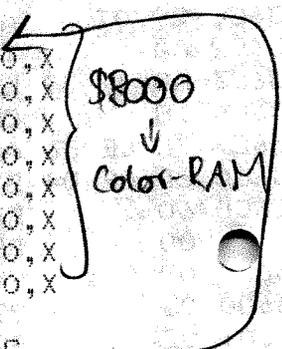
,37D5 00 BRK
,37D6 09 00 ORA #$00
,37D8 00 BRK
,37D9 00 BRK
,37DA 00 BRK
,37DB 64 ???
,37DC 0A ASL
,37DD 81 0C STA ($0C,X)
,37DF 00 BRK
,37E0 00 BRK
,37E1 00 BRK
,37E2 00 BRK
,37E3 A9 D8 LDA #$D8
,37E5 8D 16 D0 STA $D016
,37E8 A9 18 LDA #$18
,37EA 8D 18 D0 STA $D018
,37ED A9 00 LDA #$00
,37EF 8D 20 D0 STA $D020
,37F2 8D 21 D0 STA $D021
,37F5 8D 15 D0 STA $D015
,37FB 8D 11 D0 STA $D011
,37FB A9 86 LDA #$86
,37FD 8D 49 38 STA $3849
,3800 A9 C7 LDA #$C7
,3802 8D C3 38 STA $38C3
,3805 A9 00 LDA #$00
,3807 8D A4 38 STA $38A4
,380A 8D 91 38 STA $3891
,380D 8D EE 38 STA $38EE
,3810 A9 1E LDA #$1E
,3812 8D 6C 38 STA $386C
,3815 78 SEI
,3816 A9 35 LDA #$35
,3818 85 01 STA $01
,381A A2 00 LDX #$00
,381C BD 00 B0 LDA $B000,X
,381F 9D 00 D8 STA $D800,X
,3822 BD 00 B1 LDA $B100,X
,3825 9D 00 D9 STA $D900,X
,3828 BD 00 B2 LDA $B200,X
,382B 9D 00 DA STA $DA00,X
,382E BD 00 B3 LDA $B300,X
,3831 9D 00 DB STA $DB00,X
,3834 CA DEX
,3835 D0 E5 BNE $381C
,3837 A9 37 LDA #$37
,3839 85 01 STA $01
,383B 78 SEI
,383C A2 C6 LDX #$C6
,383E A9 6D LDA #$6D
,3840 CD 12 D0 CMP $D012
,3843 D0 FB BNE $3840
,3845 8E 00 DD STX $DD00
,3848 A2 B6 LDX #$B6
,384A D0 0D BNE $3859
,384C AD 11 D0 LDA $D011
,384F 29 07 AND #$07
,3851 09 38 ORA #$38
,3853 8D 11 D0 STA $D011
,3856 4C 6B 38 JMP $386B
,3859 AD 12 D0 LDA $D012

```

— von 88E8

RAM- und
Hintergr. Schw.
Sprites aus
Screen aus

RAM / 110



ROM ein

auf Zeile \$6D
warten

vic = \$4000

auf nächste Zeile
warten

8

```

385C CD 12 DO CMP #D0125
385F FO FB BEQ #385C
3861 29 07 AND ##07
3863 09 30 ORA ##30 FLD
3865 8D 11 DO STA #D011 in VIC
3868 CA DEX
3869 DO EE BNE #3859
386B A9 1E LDA ##1E
386D C9 1E CMP ##1E
386F FO 1F BEQ #3890
3871 AA TAX
3872 AD 49 38 LDA #3849
3875 38 SEC
3876 FD 10 39 SBC #3910,X
3879 8D 49 38 STA #3849
387C EE 6C 38 INC #386C
387F AD 6C 38 LDA #386C
3882 C9 1E CMP ##1E
3884 DO 0A BNE #3890
3886 A9 96 LDA ##96
3888 8D 91 38 STA #3891
388B A9 C6 LDA ##C6
388D 8D C3 38 STA #38C3
3890 A9 00 LDA ##00
3892 FO 0F BEQ #38A3
3894 CE 91 38 DEC #3891
3897 DO 0A BNE #38A3
3899 A9 1E LDA ##1E
389B 8D A4 38 STA #38A4
389E A9 C7 LDA ##C7
38A0 8D C3 38 STA #38C3
38A3 A9 00 LDA ##00
38A5 FO 16 BEQ #38BD
38A7 AA TAX
38A8 CA DEX
38A9 AD 49 38 LDA #3849
38AC 18 CLC
38AD 7D 10 39 ADC #3910,X
38B0 8D 49 38 STA #3849
38B3 CE A4 38 DEC #38A4
38B6 DO 05 BNE #38BD
38B9 A9 1F LDA ##1F
38BA 8D D4 38 STA #38D4
38BD AD 11 DO LDA #D011
38C0 10 FB BPL #38BD Router < 256
38C2 A9 C7 LDA ##C7 } vic = $0000
38C4 8D 00 DD STA #DD00
38C7 A9 3B LDA ##3B
38C9 8D 11 DO STA #D011
38CC A9 2D LDA ##2D
38CE CD 12 DO CMP #D0125
38D1 DO FB BNE #38CE
38D3 A9 00 LDA ##00
38D5 FO 16 BEQ #38ED
38D7 4A LSR
38D8 AA TAX
38D9 8D 2F 39 LDA #392F,X
38DC 8D 20 DO STA #D020
38DF 8D 21 DO STA #D021
38E2 CE D4 38 DEC #38D4
38E5 DO 06 BNE #38ED
38E7 A9 00 LDA ##00

```

```

38E9 8D 11 DO STA #D011
38EC 60 RTS
38ED A9 20 LDA ##20
38EF C9 20 CMP ##20
38F1 FO 1A BEQ #390D
38F3 4A LSR
38F4 AA TAX
38F5 BD 2F 39 LDA #392F,X
38FB 8D 20 DO STA #D020
38FB 8D 21 DO STA #D021
38FE EE EE 38 INC #38EE
3901 AD EE 38 LDA #38EE
3904 C9 20 CMP ##20
3906 DO 05 BNE #390D
3908 A9 00 LDA ##00
390A 8D 6C 38 STA #386C
390D 4C 3B 38 JMF #383B

:3910 0A 08 08 08 08 08 08 08 JHHHHHHH
:3918 08 07 07 06 06 05 05 04 HGGFFFEED
:3920 04 03 03 02 02 01 01 01 DCCBBAAA
:3928 01 00 01 00 01 00 00 00 A@A@A@A@
:3930 09 02 08 0A 0F 0D 07 01 IBHJOMGA
:3938 01 07 0D 0F 0F 0F 0F 01 AGMOODDA
:3940 00 00 00 00 00 00 00 00 @@@@A@A@
:3948 03 03 FC 11 05 00 10 1F CC *DE@P+
:3950 08 10 10 1F 10 08 0D 5C HPP+PHME
:3958 00 00 00 00 00 00 00 00 @@@@A@A@
:3960 00 00 00 00 00 00 00 0A @@@@A@A@
:3968 0E 01 00 00 00 49 43 48 NA@A@ICH
:3970 54 48 59 53 04 A3 A3 A2 THYSD
:3978 A1 A0 01 02 04 08 10 20 # ABDHF
:3980 40 80 24 00 00 40 50 54 @-@A@A@PT
:3988 55 00 01 02 40 41 42 80 U@A@A@A@-
:3990 81 82 00 00 00 00 00 00 *I@A@A@A@
:3998 08 FE FE FE FE FF FF FF H" "" "πππ
:39A0 FF 00 01 01 01 01 02 02 π@AAAABB
:39AB 02 02 00 FC FC FC FC FC BB@ "" ""
:39B0 FC FC FC FC FC FC FC FC *****
:39BB FC FC FC FC FC FC FC FC *****
:39C0 FC FC FC FC FC FC FC FC *****
:39CB FC FC FC FC FC FC FC FC *****
:39D0 FC FC FC FD FD FD FD FE ""JJJJJ
:39DB FE FE FE FF FF FF FF 00 "" "ππππ@
:39E0 00 00 00 00 00 01 01 01 @@@@A@A@
:39EB 01 02 02 02 02 03 03 03 ABBBBCCC
:39F0 03 04 04 04 04 04 04 04 CDDDDDDDD
:39FB 04 04 04 04 04 04 04 04 DDDDDDDDD
:3A00 04 04 04 04 04 04 04 04 DDDDDDDDD
:3A08 04 04 04 04 04 05 01 01 DDDDDDEAA
:3A10 01 01 02 02 02 03 03 04 ABBBBCCDD
:3A18 04 04 04 04 04 04 04 04 DDDDDDDDD
:3A20 04 04 04 04 04 04 05 05 DDDDDDDDE
:3A28 00 01 00 01 00 01 01 01 @A@A@AAA
:3A30 01 02 02 02 02 02 03 03 ABBBBBBCC
:3A38 03 03 04 05 00 30 30 30 CCDE@000
:3A40 30 30 30 00 09 0B 0C 0F 000@IKLO
:3A48 0D 07 01 01 07 0D 0F 0C MGAAGMOL
:3A50 0B 09 00 00 00 00 00 00 KI@A@A@A@
:3A58 00 00 00 BC 00 FF FF FF @@@@ "ππππ

```

3A60 FF FF FF 00 00 05 4D 42 ¶¶¶¶¶¶EMB
 3A6B 50 50 00 00 0A 01 0A 05 FF¶¶¶JAJE
 3A70 0A 0A 00 00 00 00 00 00 JJ¶¶¶¶¶¶
 3A7B 00 00 00 0A 00 00 0E 23 ¶¶¶J¶¶¶N#
 3A80 00 00 00 0E 00 00 0E 0B ¶¶¶N¶¶¶NK
 3A8B 00 00 00 04 00 00 0E 02 ¶¶¶D¶¶¶NB
 3A90 00 00 00 00 00 00 00 00 ¶¶¶¶¶¶¶¶
 3A9B 00 00 00 00 00 00 00 00 ¶¶¶¶¶¶¶¶
 3AA0 00 00 00 00 00 00 00 00 ¶¶¶¶¶¶¶¶
 3AAB 00 00 00 00 00 00 00 00 ¶¶¶¶¶¶¶¶
 3AB0 00 00 00 00 00 00 01 01 ¶¶¶¶¶¶¶AA
 3ABB 00 00 00 00 00 00 00 00 ¶¶¶¶¶¶¶¶
 3AC0 00 00 00 00 00 00 00 00 ¶¶¶¶¶¶¶¶
 3ACB 00 00 00 00 00 0D 07 01 ¶¶¶¶¶MGBA
 3AD0 07 00 00 01 01 01 00 00 G¶¶¶AAA¶¶
 3ADB 00 00 00 00 01 00 00 00 ¶¶¶¶A¶¶¶
 3AE0 00 00 00 00 00 00 00 00 ¶¶¶¶¶¶¶¶
 3AEB 00 00 00 00 4B 40 4C 4C ¶¶¶¶H¶LL
 3AF0 00 00 00 00 4C 44 50 50 ¶¶¶¶LDPP
 3AFB 00 00 00 00 4C 44 50 50 ¶¶¶¶LDPP
 3B00 00 00 00 00 50 4B 54 54 ¶¶¶¶PHTT

:3B00 00 00 00 00 50 4B 54 54 ¶¶¶¶PHTT
 :3B0B 00 61 62 63 60 FD FD FE ¶¶1-¶-¶
 :3B10 FE FE FF FF 00 00 01 01 "¶¶¶¶AA
 :3B1B 02 02 02 03 03 00 A0 40 BBBC¶¶ ¶
 :3B20 A0 B0 A0 C0 A0 00 A1 40 - - ¶¶¶
 :3B2B A1 B0 A1 C0 A1 00 A2 40 ¶-¶-¶¶¶
 :3B30 A2 B0 A2 C0 A2 00 A3 40 ¶-¶-¶¶¶
 :3B3B A3 B0 A3 C0 A3 00 00 00 - - - ¶¶¶

Fred's Back II

```

8000 4C EB 88 JMP $88EB
8003 A9 1B LDA #$1B
8005 8D 11 D0 STA $D011
8008 A9 2C LDA #$2C
800A CD 12 D0 CMP $D012
800D D0 FB BNE $800A
800F A2 01 LDX #$01
8011 CA DEX
8012 D0 FD BNE $8011
8014 20 1B 80 JSR $801B
8017 60 RTS
8018 EA NOP
8019 EA NOP
801A EA NOP
801B EA NOP
801C EA NOP
801D EA NOP
801E EA NOP
801F 24 EA BIT $EA
8021 BD 08 82 LDA $8208,X
8024 CE 2F D0 DEC $D02F
8027 8D 11 D0 STA $D011
802A 8C 27 D0 STY $D027
802D 8C 2C D0 STY $D02C
8030 8C 2A D0 STY $D02A
8033 EE 2F D0 INC $D02F
8036 24 EA BIT $EA
8038 BD 28 82 LDA $8228,X
803B AB TAY
803C EB INX
803D E0 0E CPX #$0E
803F D0 E0 BNE $8021
8041 BD 09 82 LDA $8209,X
8044 CE 2F D0 DEC $D02F
8047 8D 11 D0 STA $D011
804A 8C 27 D0 STY $D027
804D 8C 2C D0 STY $D02C
8050 8C 2A D0 STY $D02A
8053 EE 2F D0 INC $D02F
8056 24 EA BIT $EA
8058 BD 28 82 LDA $8228,X
805B AB TAY
805C EB INX
805D E0 1C CPX #$1C
805F D0 E0 BNE $8041
8061 A2 01 LDX #$01
8063 CA DEX
8064 D0 FD BNE $8063
8066 A9 59 LDA #$59
8068 8D 11 D0 STA $D011
806B A2 4F LDX #$4F
806D A9 5F LDA #$5F
806F EC 12 D0 CPX $D012
8072 D0 FB BNE $806F
8074 A2 03 LDX #$03
8076 CA DEX
8077 D0 FD BNE $8076
8079 8D 11 D0 STA $D011
807C A9 D0 LDA #$D0
807E 0D 4C 39 DRA $394C
8081 8D 16 D0 STA $D016
8084 A9 0F LDA #$0F
8086 8D 2F D0 STA $D02F
8089 A9 18 LDA #$18
808B 8D 18 D0 STA $D018
808E A2 02 LDX #$02
8090 CA DEX
8091 D0 FD BNE $8090
8093 EA NOP
8094 A9 59 LDA #$59
8096 D0 0F BNE $80A7
8098 C9 C9 CMP #$C9
809A C9 C9 CMP #$C9
809C C9 C9 CMP #$C9
809E C9 C9 CMP #$C9
80A0 C9 C9 CMP #$C9
80A2 C9 C9 CMP #$C9
80A4 C9 C9 CMP #$C9
80A6 C9 C9 CMP #$C9
80AB C9 C9 CMP #$C9
80AA C9 C9 CMP #$C9
80AC C9 C9 CMP #$C9
80AE C9 C9 CMP #$C9
80B0 C9 C9 CMP #$C9
80B2 C9 C9 CMP #$C9
80B4 C9 C9 CMP #$C9
80B6 C9 C9 CMP #$C9
80BB C9 C9 CMP #$C9
80BA C9 C9 CMP #$C9
80BC C9 C9 CMP #$C9
80BE C9 C9 CMP #$C9
80C0 C9 C9 CMP #$C9
80C2 C9 C9 CMP #$C9
80C4 24 EA BIT $EA
80C6 8D 11 D0 STA $D011
80C9 A2 01 LDX #$01
80CB CA DEX
80CC D0 FD BNE $80CC
80CE A2 FF LDX #$FF
80D0 AD 12 D0 LDA $D012
80D3 CD 12 D0 CMP $D012
80D6 F0 FB BEQ $80D3
80D8 29 07 AND #$07
80DA 09 50 ORA #$50
80DC 8D 11 D0 STA $D011
80DF EB INX
80E0 E0 04 CPX #$04
80E2 D0 EC BNE $80D0
80E4 BC 00 82 LDY $8200,X
80E7 88 DEY
80E8 D0 FD BNE $80E7
80EA A9 00 LDA #$00
80EC 8D 17 D0 STA $D017
80EF 8D 1D D0 STA $D01D
80F2 A9 00 LDA #$00
80F4 8D 10 D0 STA $D010
80F7 A9 0B LDA #$0B
80F9 8D 25 D0 STA $D025
80FC A9 07 LDA #$07
80FE 8D 26 D0 STA $D026
8101 A9 FA LDA #$FA

```



Exp
x
y
MSB
aus
Multi =
Gelb-duck-gan

8103 8D 1C DO STA \$D01C <i>Multicolor</i>	..,81BD AD 64 3A LDA \$3A64
8106 AD 55 3A LDA \$3A55	..,81C0 0A ASL
8109 8D 04 DO STA \$D004 <i>Sprite 2x</i>	..,81C1 18 CLC
810C AD 5D 3A LDA \$3A5D	..,81C2 69 20 ADD #20
810F 8D 05 DO STA \$D005 <i>Sprite 2x</i>	..,81C4 AA TAX
8112 AD 65 3A LDA \$3A65	..,81C5 BE FB 47 STX \$47FB <i>Block 0</i>
8115 8D FA 47 STA \$47FA <i>Sprite 2 Block</i>	..,81C8 EB INX
8118 AD 56 3A LDA \$3A56	..,81C9 BE F9 47 STX \$47F9 <i>Block 1</i>
811B 8D 06 DO STA \$D006 <i>Sprite 3x</i>	..,81CC 60 RTS
811E AD 5E 3A LDA \$3A5E	..,81CD 00 BRK
8121 8D 07 DO STA \$D007 <i>Sprite 3x</i>	..,81CE 00 BRK
8124 AD 66 3A LDA \$3A66	..,81CF 00 BRK
8127 8D FB 47 STA \$47FB <i>Sprite 3 Block</i>	..,81D0 00 BRK
812A AD 57 3A LDA \$3A57	..,81D1 00 BRK
812D 8D 08 DO STA \$D008 <i>4x</i>	..,81D2 00 BRK
8130 AD 5F 3A LDA \$3A5F	..,81D3 00 BRK
8133 8D 09 DO STA \$D009 <i>4x</i>	..,81D4 00 BRK
8136 AD 67 3A LDA \$3A67	..,81D5 00 BRK
8139 8D FC 47 STA \$47FC <i>4B</i>	..,81D6 00 BRK
813C AD 58 3A LDA \$3A58	..,81D7 00 BRK
813F 8D 0A DO STA \$D00A <i>5x</i>	..,81D8 00 BRK
8142 AD 60 3A LDA \$3A60	..,81D9 00 BRK
8145 8D 0B DO STA \$D00B <i>5x</i>	..,81DA 00 BRK
8148 AD 68 3A LDA \$3A68	..,81DB 00 BRK
814B 8D FD 47 STA \$47FD <i>5B</i>	..,81DC 00 BRK
814E AD 59 3A LDA \$3A59	..,81DD 00 BRK
8151 8D 0C DO STA \$D00C <i>6x</i>	..,81DE 00 BRK
8154 AD 61 3A LDA \$3A61	..,81DF 00 BRK
8157 8D 0D DO STA \$D00D <i>6x</i>	..,81E0 00 BRK
815A AD 69 3A LDA \$3A69	..,81E1 00 BRK
815D 8D FE 47 STA \$47FE <i>6B</i>	..,81E2 00 BRK
8160 AD 5A 3A LDA \$3A5A	..,81E3 00 BRK
8163 8D 0E DO STA \$D00E <i>7x</i>	..,81E4 00 BRK
8166 AD 62 3A LDA \$3A62	..,81E5 00 BRK
8169 8D 0F DO STA \$D00F <i>7x</i>	..,81E6 00 BRK
816C AD 6A 3A LDA \$3A6A <i>7B</i>	..,81E7 00 BRK
816F 8D FF 47 STA \$47FF	..,81E8 00 BRK
8172 AD 11 DO LDA \$D011	..,81E9 00 BRK
8175 29 BF AND #BF	..,81EA 00 BRK
8177 09 20 ORA #20	..,81EB 00 BRK
8179 8D 11 DO STA \$D011	..,81EC 00 BRK
817C AD 6D 3A LDA \$3A6D	..,81ED 00 BRK
817F 8D 29 DO STA \$D029 <i>2 Farbe</i>	..,81EE 00 BRK
8182 AD 6E 3A LDA \$3A6E	..,81EF 00 BRK
8185 8D 2A DO STA \$D02A <i>3 F</i>	..,81F0 00 BRK
8188 AD 6F 3A LDA \$3A6F	..,81F1 00 BRK
818B 8D 2B DO STA \$D02B <i>4 F</i>	..,81F2 00 BRK
818E AD 70 3A LDA \$3A70	..,81F3 00 BRK
8191 8D 2C DO STA \$D02C <i>5 F</i>	..,81F4 00 BRK
8194 AD 71 3A LDA \$3A71	..,81F5 00 BRK
8197 8D 2D DO STA \$D02D <i>6 F</i>	..,81F6 00 BRK
819A AD 72 3A LDA \$3A72	..,81F7 00 BRK
819D 8D 2E DO STA \$D02E <i>7 F</i>	..,81F8 00 BRK
81A0 A9 09 LDA #09 <i>blau</i>	..,81F9 00 BRK
81A2 8D 27 DO STA \$D027 <i>0 F</i>	..,81FA 00 BRK
81A5 AD 6C 3A LDA \$3A6C	..,81FB 00 BRK
81A8 8D 28 DO STA \$D028 <i>1 F</i>	..,81FC 00 BRK
81AB AD 5B 3A LDA \$3A5B	..,81FD 00 BRK
81AE 8D 01 DO STA \$D001	..,81FE 00 BRK
81B1 8D 03 DO STA \$D003 <i>10+1</i>	..,81FF 00 BRK
81B4 AD 53 3A LDA \$3A53	..,8200 7F ???
81B7 8D 00 DO STA \$D000	
81BA 8D 02 DO STA \$D002 <i>10+1</i>	

```

.,8201 72      ???
.,8202 65 58   ADC  $5B
.,8204 4B      ???
.,8205 3E 31 07 ROL  $0731,X
.,8208 5E 5F 5B LSR  $5B5F,X
.,820B 59 5A 5B EOR  $5B5A,Y
.,820E 5C      ???
.,820F 5D 5E 5F EOR  $5F5E,X
.,8212 58      CLI
.,8213 59 5A 5B EOR  $5B5A,Y
.,8216 5C      ???
.,8217 5D 5E 5F EOR  $5F5E,X
.,821A 58      CLI
.,821B 59 5A 5B EOR  $5B5A,Y
.,821E 5C      ???
.,821F 5D 5E 5F EOR  $5F5E,X
.,8222 58      CLI
.,8223 59 5A 5B EOR  $5B5A,Y
.,8226 5C      ???
.,8227 5D 00 00 EOR  $0000,X
.,822A 00      BRK
.,822B 00      BRK
.,822C 00      BRK
.,822D 04      ???
.,822E 0E 03 0D ASL  $0D03
.,8231 01 01   ORA  ($01,X)
.,8233 07      ???
.,8234 0F      ???
.,8235 0A      ASL
.,8236 08      PHP
.,8237 01 01   ORA  ($01,X)
.,8239 01 01   ORA  ($01,X)
.,823B 01 01   ORA  ($01,X)
.,823D 01 01   ORA  ($01,X)
.,823F 01 01   ORA  ($01,X)
.,8241 01 01   ORA  ($01,X)
.,8243 AD 63 39 LDA  $3963
.,8246 F0 03   BEQ  $824B
.,8248 4C D9 82 JMP  $82D9
.,824B AD 52 39 LDA  $3952
.,824E 30 11   BMI  $8261
.,8250 CD A5 CF CMP  $CFA5
.,8253 90 0C   BCC  $8261
.,8255 AD E1 80 LDA  $80E1
.,8258 C9 06   CMP  #$06
.,825A B0 40   BCS  $829C
.,825C EE E1 80 INC  $80E1
.,825F D0 3B   BNE  $829C
.,8261 AD E1 80 LDA  $80E1
.,8264 38      SEC
.,8265 E9 00   SBC  #$00
.,8267 8D E1 80 STA  $80E1
.,826A B0 30   BCS  $829C
.,826C 29 07   AND  #$07
.,826E 8D E1 80 STA  $80E1
.,8271 EE 52 39 INC  $3952
.,8274 EE 70 89 INC  $8970
.,8277 EE 4B 39 INC  $394B
.,827A AD 4B 39 LDA  $394B
.,827D C9 1A   CMP  #$1A
.,827F D0 1B   BNE  $829C
.,8281 A9 01   LDA  #$01

```

```

.,8283 8D 4B 39 STA  $394B
.,8286 AD 97 80 LDA  $8097
.,8289 38      SEC
.,828A E9 18   SBC  #$18
.,828C 8D 97 80 STA  $8097
.,828F B0 0B   BCS  $829C
.,8291 18      CLC
.,8292 69 28   ADC  #$28
.,8294 8D 97 80 STA  $8097
.,8297 A9 00   LDA  #$00
.,8299 8D 4B 39 STA  $394B
.,829C AD 52 39 LDA  $3952
.,829F 30 3B   BMI  $82D9
.,82A1 AD E1 80 LDA  $80E1
.,82A4 18      CLC
.,82A5 69 00   ADC  #$00
.,82A7 8D E1 80 STA  $80E1
.,82AA C9 0B   CMP  #$0B
.,82AC 90 2B   BCC  $82D9
.,82AE 29 07   AND  #$07
.,82B0 8D E1 80 STA  $80E1
.,82B3 EE D0 89 INC  $89D0
.,82B6 CE 52 39 DEC  $3952
.,82B9 CE 4B 39 DEC  $394B
.,82BC 10 1B   BPL  $82D9
.,82BE A9 18   LDA  #$18
.,82C0 8D 4B 39 STA  $394B
.,82C3 AD 97 80 LDA  $8097
.,82C6 18      CLC
.,82C7 69 18   ADC  #$18
.,82C9 8D 97 80 STA  $8097
.,82CC C9 28   CMP  #$28
.,82CE 90 09   BCC  $82D9
.,82D0 3B      SEC
.,82D1 E9 28   SBC  #$28
.,82D3 8D 97 80 STA  $8097
.,82D6 EE 4B 39 INC  $394B
.,82D9 AD 53 39 LDA  $3953
.,82DC CD A4 CF CMP  $CFA4
.,82DF D0 08   BNE  $82E9
.,82E1 A9 07   LDA  #$07
.,82E3 8D 4C 39 STA  $394C
.,82E6 4C 16 83 JMP  $8316
.,82E9 AD 4C 39 LDA  $394C
.,82EC 3B      SEC
.,82ED E9 00   SBC  #$00
.,82EF 8D 4C 39 STA  $394C
.,82F2 B0 22   BCS  $8316
.,82F4 29 07   AND  #$07
.,82F6 8D 4C 39 STA  $394C
.,82F9 EE 53 39 INC  $3953
.,82FC EE 97 80 INC  $8097
.,82FF EE 30 8A INC  $8A30
.,8302 AD 97 80 LDA  $8097
.,8305 C9 28   CMP  #$28
.,8307 D0 0D   BNE  $8316
.,8309 A9 00   LDA  #$00
.,830B 8D 97 80 STA  $8097
.,830E A9 00   LDA  #$00
.,8310 8D EE 82 STA  $82EE
.,8313 4C 77 82 JMP  $8277

```

```

.,8316 AD 53 39 LDA $3953
.,8319 C9 02    CMP  #02
.,831B F0 2D    BEQ  #834A
.,831D AD 4C 39 LDA $394C
.,8320 18      CLC
.,8321 69 00    ADC  #00
.,8323 8D 4C 39 STA $394C
.,8326 C9 08    CMP  #08
.,8328 90 20    BCC  #834A
.,832A 29 07    AND  #07
.,832C 8D 4C 39 STA $394C
.,832F CE 97 80 DEC  $8097
.,8332 CE 53 39 DEC  $3953
.,8335 EE 8A 8A INC  $8ABA
.,8338 AD 97 80 LDA $8097
.,833B 10 0D    BPL  #834A
.,833D A9 27    LDA  #27
.,833F 8D 97 80 STA $8097
.,8342 A9 00    LDA  #00
.,8344 8D 22 83 STA $8322
.,8347 4C B9 82 JMP  $82B9
.,834A AD 4B 39 LDA $394B
.,834D 18      CLC
.,834E 69 02    ADC  #02
.,8350 8D 3E 80 STA $803E
.,8353 A9 00    LDA  #00
.,8355 8D 66 82 STA $8266
.,8358 8D A6 82 STA $82A6
.,835B 8D EE 82 STA $82EE
.,835E 8D 22 83 STA $8322
.,8361 60      RTS
.,8362 8C EF 83 STY  $83EF
.,8365 8D 84 84 STA $8484
.,8368 A9 00    LDA  #00
.,836A F0 01    BEQ  #836D
.,836C 60      RTS
.,836D A5 88    LDA  $88
.,836F 18      CLC
.,8370 7D D5 84 ADC  $84D5,X
.,8373 8D F8 83 STA $83F8
.,8376 A5 89    LDA  $89
.,8378 7D D6 84 ADC  $84D6,X
.,837B 8D F9 83 STA $83F9
.,837E A5 8A    LDA  $8A
.,8380 18      CLC
.,8381 7D D7 84 ADC  $84D7,X
.,8384 8D 2F 84 STA $842F
.,8387 A5 8B    LDA  $8B
.,8389 7D D8 84 ADC  $84D8,X
.,838C 8D 30 84 STA $8430
.,838F A5 8C    LDA  $8C
.,8391 18      CLC
.,8392 7D D9 84 ADC  $84D9,X
.,8395 8D 3B 84 STA $843B
.,8398 8D 41 84 STA $8441
.,839B A5 8D    LDA  $8D
.,839D 7D DA 84 ADC  $84DA,X
.,83A0 8D 3C 84 STA $843C
.,83A3 69 94    ADC  #94
.,83A5 8D 42 84 STA $8442
.,83A8 C9 DC    CMP  #DC
.,83AA 90 18    BCC  #83C4
.,83AC AD 30 84 LDA $8430
.,83AF 38      SEC
.,83B0 E9 20    SBC  #20
.,83B2 8D 30 84 STA $8430
.,83B5 AD 3C 84 LDA $843C
.,83B8 38      SEC
.,83B9 E9 04    SBC  #04
.,83BB 8D 3C 84 STA $843C
.,83BE 18      CLC
.,83BF 69 94    ADC  #94
.,83C1 8D 42 84 STA $8442
.,83C4 BD DB 84 LDA $84DB,X
.,83C7 8D FF 83 STA $83FF
.,83CA BD DC 84 LDA $84DC,X
.,83CD 8D 48 84 STA $8448
.,83D0 BD DD 84 LDA $84DD,X
.,83D3 8D 50 84 STA $8450
.,83D6 BD DE 84 LDA $84DE,X
.,83D9 8D 6C 84 STA $846C
.,83DC BD DF 84 LDA $84DF,X
.,83DF 8D 10 84 STA $8410
.,83E2 BD E0 84 LDA $84E0,X
.,83E5 8D 21 84 STA $8421
.,83E8 BD E1 84 LDA $84E1,X
.,83EB 8D CE 84 STA $84CE
.,83EE A9 16    LDA  #16
.,83F0 EE EF 83 INC  $83EF
.,83F3 29 01    AND  #01
.,83F5 D0 26    BNE  $841D
.,83F7 AE 66 C6 LDX  $C666
.,83FA AD F8 83 LDA $83F8
.,83FD 18      CLC
.,83FE 69 01    ADC  #01
.,8400 8D F8 83 STA $83F8
.,8403 AD F9 83 LDA $83F9
.,8406 69 00    ADC  #00
.,8408 8D F9 83 STA $83F9
.,840B 8D 00 04 LDA $0400,X
.,840E 18      CLC
.,840F 69 14    ADC  #14
.,8411 85 80    STA  $80
.,8413 8D 00 05 LDA $0500,X
.,8416 69 00    ADC  #00
.,8418 85 81    STA  $81
.,841A 4C 2A 84 JMP  $842A
.,841D A5 80    LDA  $80
.,841F 18      CLC
.,8420 69 0A    ADC  #0A
.,8422 85 80    STA  $80
.,8424 A5 81    LDA  $81
.,8426 69 00    ADC  #00
.,8428 85 81    STA  $81
.,842A A0 07    LDY  #07
.,842C B1 80    LDA  ($80),Y
.,842E 99 D8 6C STA $6CDB,Y
.,8431 88      DEY
.,8432 10 F8    BPL  $842C
.,8434 A0 08    LDY  #08
.,8436 B1 80    LDA  ($80),Y
.,8438 F0 03    BEQ  $843D
.,843A 8D 9B 45 STA $459B

```

..843D	C8		INY					..84CD	A9	14	LDA	##14	
..843E	B1	80	LDA	(#80),Y				..84CF	F0	03	BEQ	#84D4	
..8440	8D	9B	D9	STA	\$D99B			..84D1	4C	EE	83	JMP	#83EE
..8443	AD	2F	84	LDA	#842F			..84D4	60			RTS	
..8446	18			CLC				..84D5	4C	04	00	JMP	\$0004
..8447	69	08		ADC	##08			..84D8	1E	C0	03	ASL	\$03C0,X
..8449	8D	2F	84	STA	#842F			..84DB	01	08		ORA	(#08,X)
..844C	AD	30	84	LDA	#8430			..84DD	00			BRK	
..844F	69	00		ADC	##00			..84DE	01	14		ORA	(#14,X)
..8451	8D	30	84	STA	#8430			..84E0	0A			ASL	
..8454	C9	80		CMP	##80			..84E1	2B			PLP	
..8456	90	0F		BCC	#8467			..84E2	00			BRK	
..8458	38			SEC				..84E3	00			BRK	
..8459	E9	20		SBC	##20			..84E4	00			BRK	
..845B	8D	30	84	STA	#8430			..84E5	4C	04	00	JMP	\$0004
..845E	AD	3C	84	LDA	#843C			..84E8	1E	C0	03	ASL	\$03C0,X
..8461	38			SEC				..84EB	01	08		ORA	(#08,X)
..8462	E9	04		SBC	##04			..84ED	00			BRK	
..8464	8D	3C	84	STA	#843C			..84EE	01	00		ORA	(#00,X)
..8467	AD	3B	84	LDA	#843B			..84F0	0A			ASL	
..846A	18			CLC				..84F1	2B			PLP	
..846B	69	01		ADC	##01			..84F2	00			BRK	
..846D	8D	3B	84	STA	#843B			..84F3	00			BRK	
..8470	8D	41	84	STA	#8441			..84F4	00			BRK	
..8473	AD	3C	84	LDA	#843C			..84F5	00			BRK	
..8476	69	00		ADC	##00			..84F6	00			BRK	
..8478	8D	3C	84	STA	#843C			..84F7	B0			???	
..847B	69	94		ADC	##94			..84F8	02			???	
..847D	8D	42	84	STA	#8442			..84F9	50	00		BVC	#84FB
..8480	EE	84	84	INC	#8484			..84FB	01	08		ORA	(#08,X)
..8483	A9	2D		LDA	##2D			..84FD	00			BRK	
..8485	C9	28		CMP	##28			..84FE	01	00		ORA	(#00,X)
..8487	D0	41		BNE	#84CA			..8500	0A			ASL	
..8489	4C	CA	84	JMP	#84CA			..8501	28			PLP	
..848C	AD	2F	84	LDA	#842F			..8502	00			BRK	
..848F	38			SEC				..8503	00			BRK	
..8490	E9	40		SBC	##40			..8504	00			BRK	
..8492	8D	2F	84	STA	#842F			..8505	00			BRK	
..8495	AD	30	84	LDA	#8430			..8506	00			BRK	
..8498	E9	01		SBC	##01			..8507	80			???	
..849A	8D	30	84	STA	#8430			..8508	02			???	
..849D	C9	60		CMP	##60			..8509	50	00		BVC	#850B
..849F	B0	0F		BCC	#84B0			..850B	01	08		ORA	(#08,X)
..84A1	18			CLC				..850D	00			BRK	
..84A2	69	20		ADC	##20			..850E	01	14		ORA	(#14,X)
..84A4	8D	30	84	STA	#8430			..8510	0A			ASL	
..84A7	AD	3C	84	LDA	#843C			..8511	28			PLP	
..84AA	18			CLC				..8512	00			BRK	
..84AB	69	04		ADC	##04			..8513	00			BRK	
..84AD	8D	3C	84	STA	#843C			..8514	00			BRK	
..84B0	AD	3B	84	LDA	#843B			..8515	13			???	
..84B3	38			SEC				..8516	00			BRK	
..84B4	E9	28		SBC	##28			..8517	78			SEI	
..84B6	8D	3B	84	STA	#843B			..8518	02			???	
..84B9	8D	41	84	STA	#8441			..8519	4F			???	
..84BC	AD	3C	84	LDA	#843C			..851A	00			BRK	
..84BF	E9	00		SBC	##00			..851B	64			???	
..84C1	8D	3C	84	STA	#843C			..851C	40			RTI	
..84C4	18			CLC				..851D	01	28		ORA	(#28,X)
..84C5	69	94		ADC	##94			..851F	0A			ASL	
..84C7	8D	42	84	STA	#8442			..8520	14			???	
..84CA	CE	CE	84	DEC	#84CE								

.,8521 18	CLC			.,8576 D0 E8	BNE	#8560
.,8522 00	BRK			.,8578 A2 00	LDX	#100
.,8523 00	BRK			.,857A 8E 81 85	STX	#8581
.,8524 00	BRK			.,857D 8E 8C 85	STX	#858C
.,8525 13	???			.,8580 A9 88	LDA	#88
.,8526 00	BRK			.,8582 9D C8 04	STA	\$04C8,X
.,8527 78	SEI			.,8585 18	CLC	
.,8528 02	???			.,8586 69 64	ADC	#864
.,8529 4F	???			.,8588 8D 81 85	STA	#8581
.,852A 00	BRK			.,858B A9 13	LDA	#13
.,852B 64	???			.,858D 9D C8 05	STA	\$05C8,X
.,852C 40	RTI			.,8590 69 00	ADC	#00
.,852D 01 28	ORA	(#28,X)		.,8592 8D 8C 85	STA	#858C
.,852F 00	BRK			.,8595 E8	INX	
.,8530 14	???			.,8596 E0 32	CPX	#32
.,8531 18	CLC			.,8598 D0 E6	BNE	#8580
.,8532 00	BRK			.,859A A2 00	LDX	#100
.,8533 00	BRK			.,859C 8E A9 85	STX	#85A9
.,8534 00	BRK			.,859F 8E B4 85	STX	#85B4
.,8535 00	BRK			.,85A2 8E BE 85	STX	#85BE
.,8536 00	BRK			.,85A5 8E C9 85	STX	#85C9
.,8537 48	PHA			.,85A8 A9 00	LDA	#00
.,8538 01 29	ORA	(#29,X)		.,85AA 9D 00 06	STA	\$0600,X
.,853A 00	BRK			.,85AD 18	CLC	
.,853B 64	???			.,85AE 69 28	ADC	#828
.,853C 40	RTI			.,85B0 8D A9 85	STA	#85A9
.,853D 01 28	ORA	(#28,X)		.,85B3 A9 05	LDA	#05
.,853F 00	BRK			.,85B5 9D 20 06	STA	\$0620,X
.,8540 14	???			.,85B8 69 00	ADC	#00
.,8541 18	CLC			.,85BA 8D B4 85	STA	#85B4
.,8542 00	BRK			.,85BD A9 00	LDA	#00
.,8543 00	BRK			.,85BF 9D 40 06	STA	\$0640,X
.,8544 00	BRK			.,85C2 18	CLC	
.,8545 00	BRK			.,85C3 69 40	ADC	#840
.,8546 00	BRK			.,85C5 8D BE 85	STA	#85BE
.,8547 48	PHA			.,85C8 A9 28	LDA	#828
.,8548 01 29	ORA	(#29,X)		.,85CA 9D 60 06	STA	\$0660,X
.,854A 00	BRK			.,85CD 69 01	ADC	#01
.,854B 64	???			.,85CF 8D C9 85	STA	#85C9
.,854C 40	RTI			.,85D2 E8	INX	
.,854D 01 28	ORA	(#28,X)		.,85D3 E0 20	CPX	#820
.,854F 0A	ASL			.,85D5 D0 D1	BNE	#85A8
.,8550 14	???			.,85D7 A9 00	LDA	#00
.,8551 18	CLC			.,85D9 85 88	STA	#88
.,8552 00	BRK			.,85DB A9 C0	LDA	#8C0
.,8553 00	BRK			.,85DD 85 89	STA	#89
.,8554 00	BRK			.,85DF A9 00	LDA	#00
.,8555 A9 00	LDA	#00		.,85E1 85 8A	STA	#8A
.,8557 AA	TAX			.,85E3 A9 60	LDA	#860
.,8558 8D 61 85	STA	#8561		.,85E5 85 8B	STA	#8B
.,855B A9 E0	LDA	#8E0		.,85E7 A9 00	LDA	#00
.,855D 8D 6C 85	STA	#856C		.,85E9 85 8C	STA	#8C
.,8560 A9 00	LDA	#00		.,85EB A9 44	LDA	#844
.,8562 9D 00 04	STA	\$0400,X		.,85ED 85 8D	STA	#8D
.,8565 18	CLC			.,85EF A9 05	LDA	#05
.,8566 69 28	ADC	#828		.,85F1 8D E1 80	STA	#80E1
.,8568 8D 61 85	STA	#8561		.,85F4 A9 00	LDA	#00
.,856B A9 08	LDA	#808		.,85F6 D0 2E	BNE	#862E
.,856D 9D 00 05	STA	\$0500,X		.,85F8 A2 0E	LDX	#80E
.,8570 69 00	ADC	#00		.,85FA A9 55	LDA	#855
.,8572 8D 6C 85	STA	#856C		.,85FC 9D B0 40	STA	\$40B0,X
.,8575 E8	INX					

Tabelle anlegen

— von 8861

..85FF	9D	F0	40	STA	\$40F0,X	..869C	8D	53	39	STA	\$3953
..8602	9D	30	41	STA	\$4130,X	..869F	8D	52	39	STA	\$3952
..8605	CA			DEX		..86A2	8D	56	39	STA	\$3956
..8606	10	F4		BPL	\$85FC	..86A5	8D	57	39	STA	\$3957
..8608	A9	24		LDA	##24	..86A8	8D	58	39	STA	\$3958
..860A	8D	82	39	STA	\$3982	..86AB	8D	59	39	STA	\$3959
..860D	AD	63	39	LDA	\$3963	..86AE	8D	54	39	STA	\$3954
..8610	F0	14		BEQ	\$8626	..86B1	8D	55	39	STA	\$3955
..8612	20	19	35	JSR	\$3519	..86B4	8D	41	39	STA	\$3941
..8615	AD	6B	91	LDA	\$916B	..86B7	8D	65	39	STA	\$3965
..8618	8D	67	39	STA	\$3967	..86BA	8D	66	39	STA	\$3966
..861B	AD	70	91	LDA	\$9170	..86BD	8D	11	8B	STA	\$8B11
..861E	8D	68	39	STA	\$3968	..86C0	8D	18	9E	STA	\$9E18
..8621	A9	00		LDA	##00	..86C3	8D	F9	9D	STA	\$9DF9
..8623	8D	63	39	STA	\$3963	..86C6	AA			TAX	
..8626	A9	00		LDA	##00	..86C7	9D	00	5D	STA	\$5D00,X
..8628	8D	F5	85	STA	\$85F5	..86CA	9D	00	5E	STA	\$5E00,X
..862B	A9	00		LDA	##00	..86CD	9D	80	5E	STA	\$5E80,X
..862D	8D	93	3A	STA	\$3A93	..86D0	CA			DEX	
..8630	A9	04		LDA	##04	..86D1	D0	F4		BNE	\$86C7
..8632	8D	8B	3A	STA	\$3A8B	..86D3	A9	08		LDA	##08
..8635	A9	02		LDA	##02	..86D5	8D	98	39	STA	\$3998
..8637	8D	02	8B	STA	\$8B02	..86D8	A2	02		LDX	##02
..863A	AD	67	39	LDA	\$3967	..86DA	A9	00		LDA	##00
..863D	8D	7B	3A	STA	\$3A7B	..86DC	9D	7B	3A	STA	\$3A7B,X
..8640	C9	0A		CMF	##0A	..86DF	9D	83	3A	STA	\$3A83,X
..8642	90	07		BCC	\$864B	..86E2	9D	D1	3A	STA	\$3AD1,X
..8644	38			SEC		..86E5	9D	53	3A	STA	\$3A53,X
..8645	E9	09		SBC	##09	..86EB	A9	FF		LDA	##FF
..8647	0A			ASL		..86EA	9D	5B	3A	STA	\$3A5B,X
..8648	8D	02	8B	STA	\$8B02	..86ED	EB			INX	
..864B	AD	68	39	LDA	\$3968	..86EE	E0	08		CFX	##08
..864E	8D	83	3A	STA	\$3A83	..86F0	D0	EB		BNE	\$86DA
..8651	0A			ASL		..86F2	EE	D3	3A	INC	\$3AD3
..8652	18			CLC		..86F5	20	E7	33	JSR	\$33E7
..8653	69	0D		ADC	##0D	..86F8	AD	3F	39	LDA	\$393F
..8655	C9	19		CMF	##19	..86FB	F0	56		BEQ	\$8753
..8657	B0	02		BCS	\$865B	..86FD	A9	01		LDA	##01
..8659	A9	19		LDA	##19	..86FF	8D	C6	8C	STA	\$8CC6
..865B	8D	F0	8A	STA	\$8AF0	..8702	A9	05		LDA	##05
..865E	A9	19		LDA	##19	..8704	8D	65	3A	STA	\$3A65
..8660	8D	8B	8C	STA	\$8C8B	..8707	A9	03		LDA	##03
..8663	A9	03		LDA	##03	..8709	8D	48	39	STA	\$3948
..8665	8D	3E	80	STA	\$803E	..870C	A2	30		LDX	##30
..8668	A9	01		LDA	##01	..870E	8E	15	8B	STX	\$8B15
..866A	8D	4B	39	STA	\$394B	..8711	A2	31		LDX	##31
..866D	A9	00		LDA	##00	..8713	8E	17	8B	STX	\$8B17
..866F	8D	5A	39	STA	\$395A	..8716	A9	A4		LDA	##A4
..8672	8D	42	39	STA	\$3942	..8718	8D	07	8D	STA	\$8D07
..8675	8D	43	39	STA	\$3943	..871B	A9	00		LDA	##00
..8678	8D	6C	39	STA	\$396C	..871D	8D	40	39	STA	\$3940
..867B	8D	74	39	STA	\$3974	..8720	8D	13	9E	STA	\$9E13
..867E	8D	11	D0	STA	\$D011	..8723	8D	46	39	STA	\$3946
..8681	8D	49	39	STA	\$3949	..8726	8D	44	39	STA	\$3944
..8684	8D	4A	39	STA	\$394A	..8729	8D	63	39	STA	\$3963
..8687	8D	97	80	STA	\$8097	..872C	8D	C5	8E	STA	\$8EC5
..868A	8D	E1	80	STA	\$80E1	..872F	8D	CD	8C	STA	\$8CCD
..868D	8D	4C	39	STA	\$394C	..8732	8D	F0	8C	STA	\$8CFO
..8690	8D	4F	39	STA	\$394F	..8735	8D	FF	8C	STA	\$8CFF
..8693	8D	4E	39	STA	\$394E	..8738	8D	68	8D	STA	\$8D68
..8696	8D	51	39	STA	\$3951	..873B	8D	06	8D	STA	\$8D06
..8699	8D	50	39	STA	\$3950						

```

.,873E A9 28 LDA #28
.,8740 8D 9D 8D STA $8D9D
.,8743 A2 05 LDX #05
.,8745 A9 30 LDA #30
.,8747 9D 3D 3A STA $3A3D,X
.,874A CA DEX
.,874B 10 FA BPL $8747
.,874D A9 00 LDA #00
.,874F 20 00 09 JSR $0900
.,8752 60 RTS
.,8753 A9 00 LDA #00
.,8755 8D 83 39 STA $3983
.,8758 8D 3C 3A STA $3A3C
.,875B 8D A3 3A STA $3AA3
.,875E A9 00 LDA #00
.,8760 85 FA STA $FA
.,8762 8D 47 39 STA $3947
.,8765 A9 BC LDA #BC
.,8767 85 FB STA $FB
.,8769 A0 00 LDY #00
.,876B B1 FA LDA ($FA),Y
.,876D C9 06 CMP #06
.,876F D0 03 BNE $8774
.,8771 EE 47 39 INC $3947
.,8774 C9 56 CMP #56
.,8776 D0 00 BNE $8778
.,8778 C8 INY
.,8779 D0 02 BNE $877D
.,877B E6 FB INC $FB
.,877D C0 A0 CPY #A0
.,877F D0 EA BNE $876B
.,8781 A5 FB LDA $FB
.,8783 C9 CF CMP #CF
.,8785 D0 E4 BNE $876B
.,8787 A9 06 LDA #06
.,8789 AE 63 39 LDX $3963
.,878C D0 02 BNE $8790
.,878E A9 01 LDA #01
.,8790 20 00 09 JSR $0900
.,8793 60 RTS
.,8794 8C 57 39 STY $3957
.,8797 8D 56 39 STA $3956
.,879A 18 CLC
.,879B 79 C8 04 ADC $04C8,Y
.,879E 85 FA STA $FA
.,87A0 A9 C0 LDA #C0
.,87A2 79 C8 05 ADC $05C8,Y
.,87A5 85 FB STA $FB
.,87A7 A0 00 LDY #00
.,87A9 B1 FA LDA ($FA),Y
.,87AB 48 PHA
.,87AC 8A TXA
.,87AD 91 FA STA ($FA),Y
.,87AF BD 00 04 LDA $0400,X
.,87B2 85 FA STA $FA
.,87B4 BD 00 05 LDA $0500,X
.,87B7 85 FB STA $FB
.,87B9 A5 BA LDA $BA
.,87BB 29 F0 AND #F0
.,87BD 8D A9 88 STA $8BA9
.,87C0 A5 8B LDA $8B
.,87C2 8D AA 88 STA $88AA
.,87C5 A5 BC LDA $8C
.,87C7 29 FE AND #FE
.,87C9 8D A3 88 STA $88A3
.,87CC 8D 9D 88 STA $889D
.,87CF A5 8D LDA $8D
.,87D1 8D A4 88 STA $88A4
.,87D4 18 CLC
.,87D5 69 94 ADC #94
.,87D7 8D 9E 88 STA $889E
.,87DA AD 57 39 LDA $3957
.,87DD 38 SEC
.,87DE ED 50 39 SBC $3950
.,87E1 C9 0C CMP #0C
.,87E3 90 02 BCC $87E7
.,87E5 68 PLA
.,87E6 60 RTS
.,87E7 0A ASL
.,87E8 A8 TAY
.,87E9 AD 4E 39 LDA $394E
.,87EC 29 01 AND #01
.,87EE D0 01 BNE $87F1
.,87F0 88 DEY
.,87F1 A9 00 LDA #00
.,87F3 8D BF 88 STA $88BF
.,87F6 AE 56 39 LDX $3956
.,87F9 AD 4F 39 LDA $394F
.,87FC 29 01 AND #01
.,87FE F0 01 BEQ $8801
.,8800 EB INX
.,8801 8A TXA
.,8802 8E 30 88 STX $8830
.,8805 38 SEC
.,8806 ED 51 39 SBC $3951
.,8809 C9 14 CMP #14
.,880B B0 D8 BCS $87E5
.,880D 0A ASL
.,880E 0A ASL
.,880F 0A ASL
.,8810 0A ASL
.,8811 8D BE 88 STA $88BE
.,8814 2E BF 88 ROL $88BF
.,8817 AD BE 88 LDA $88BE
.,881A 18 CLC
.,881B 79 42 06 ADC $0642,Y
.,881E 8D BE 88 STA $88BE
.,8821 AD BF 88 LDA $88BF
.,8824 79 62 06 ADC $0662,Y
.,8827 8D BF 88 STA $88BF
.,882A A9 00 LDA #00
.,882C 8D C1 88 STA $88C1
.,882F A9 3A LDA #3A
.,8831 38 SEC
.,8832 ED 51 39 SBC $3951
.,8835 0A ASL
.,8836 18 CLC
.,8837 79 02 06 ADC $0602,Y
.,883A 8D C0 88 STA $88C0
.,883D AD C1 88 LDA $88C1
.,8840 79 22 06 ADC $0622,Y
.,8843 8D C1 88 STA $88C1
.,8846 A9 00 LDA #00

```

..8848 8D 4C 88 STA \$884C	..88C7 01 27 DRA (\$27,X)
..884B A9 04 LDA #404	..88C9 00 BRK
..884D C9 04 CMP #404	..88CA 08 PHP
..884F F0 6B BEQ \$88BC	..88CB 00 BRK
..8851 EE 4C 88 INC \$884C	..88CC 01 00 DRA (\$00,X)
..8854 0A ASL	..88CE BC 83 3A LDY \$3A83,X
..8855 0A ASL	..88D1 8C 57 39 STY \$3957
..8856 AA TAX	..88D4 ED 7B 3A LDA \$3A7B,X
..8857 AD A9 88 LDA \$88A9	..88D7 8D 56 39 STA \$3956
..885A 18 CLC	..88DA 18 CLC
..885B 7D BE 88 ADC \$88BE,X	..88DB 79 C8 04 ADC \$04C8,Y
..885E 8D A9 88 STA \$88A9	..88DE 85 FC STA \$FC
..8861 AD AA 88 LDA \$88AA	..88E0 A9 D0 LDA #\$C0
..8864 7D BF 88 ADC \$88BF,X	..88E2 79 C8 05 ADC \$05C8,Y
..8867 8D AA 88 STA \$88AA	..88E5 85 FD STA \$FD
..886A C9 80 CMP #80	..88E7 60 RTS
..886C 90 0F BCC \$887D	..88E8 20 E3 37 JSR \$37E3
..886E 38 SEC	..88EB 20 00 CC JSR \$C000
..886F E9 20 SBC #20	..88EE A9 01 LDA #01
..8871 8D AA 88 STA \$88AA	..88F0 8D 3F 39 STA \$393F
..8874 AD A4 88 LDA \$88A4	..88F3 A9 53 LDA #53
..8877 38 SEC	..88F5 8D FA FF STA \$FFFA
..8878 E9 04 SBC #4	..88F8 8D FE FF STA \$FFFE
..887A 8D A4 88 STA \$88A4	..88FB A9 8B LDA #8B
..887D AD A3 88 LDA \$88A3	..88FD 8D FB FF STA \$FFFB
..8880 18 CLC	..8900 8D FF FF STA \$FFFF
..8881 7D C0 88 ADC \$88C0,X	..8903 78 SEI
..8884 8D A3 88 STA \$88A3	..8904 A9 35 LDA #35
..8887 8D 9D 88 STA \$889D	..8906 85 01 STA \$01
..888A AD A4 88 LDA \$88A4	..8908 A2 30 LDX #30
..888D 7D C1 88 ADC \$88C1,X	..890A A0 31 LDY #31
..8890 8D A4 88 STA \$88A4	..890C 20 00 A8 JSR \$A800
..8893 69 94 ADC #94	..890F AD A1 CF LDA \$CFA1
..8895 8D 9E 88 STA \$889E	..8912 8D 67 39 STA \$3967
..8898 A0 09 LDY #9	..8915 AD A2 CF LDA \$CFA2
..889A B1 FA LDA (\$FA),Y	..8918 8D 68 39 STA \$3968
..889C 8D D3 D8 STA \$D8D3	..891B 78 SEI
..889F 88 DEY	..891C A9 00 LDA #00
..88A0 B1 FA LDA (\$FA),Y	..891E 8D 20 D0 STA \$D020
..88A2 8D D3 44 STA \$44D3	..8921 8D 21 D0 STA \$D021
..88A5 88 DEY	..8924 8D 15 D0 STA \$D015
..88A6 B1 FA LDA (\$FA),Y	..8927 A9 40 LDA #40
..88AB 99 98 66 STA \$6698,Y	..8929 8D 11 D0 STA \$D011
..88AB 88 DEY	..892C A9 D8 LDA #D8
..88AC 10 F8 BPL \$88A6	..892E 8D 16 D0 STA \$D016
..88AE A5 FA LDA \$FA	..8931 A2 18 LDX #18
..88B0 18 CLC	..8933 9D 00 D4 STA \$D400,X
..88B1 69 0A ADC #0A	..8936 CA DEX
..88B3 85 FA STA \$FA	..8937 10 FA BPL \$8933
..88B5 90 94 BCC \$884B	..8939 78 SEI
..88B7 E6 FB INC \$FB	..893A A9 3D LDA #3D
..88B9 4C 4B 88 JMP \$884B	..893C 8D FE FF STA \$FFFE
..88BC 68 PLA	..893F A9 8B LDA #8B
..88BD 60 RTS	..8941 8D FF FF STA \$FFFF
..88BE 00 BRK	..8944 A9 53 LDA #53
..88BF 12 ???	..8946 8D FA FF STA \$FFFA
..88C0 40 RTI	..8949 A9 8B LDA #8B
..88C1 02 ???	..894B 8D FB FF STA \$FFFB
..88C2 08 PHP	..894E A9 FF LDA #FF
..88C3 00 BRK	..8950 8D 12 D0 STA \$D012
..88C4 01 00 DRA (\$00,X)	..8953 A9 B1 LDA #B1
..88C6 38 SEC	

YEEPI I'M BACK AGAIN!

IRQ-loader

\$8B53
= IRQ = NMI
= RT 1

RAM

File "01"

Vachladen

schwarz

springen aus

Ton aus

IRQ := \$8B3D

NMI := \$8B53
= RT 1

```

..8955 8D 1A D0 STA #D01A
..8958 A9 C6 LDA #C6 vic = $4000
..895A 8D 00 DD STA $DD00
..895D A9 35 LDA #35
..895F 85 01 STA #01
..8961 20 55 B5 JSR #8555 A6SP-Tabelle anlegen
..8964 A9 5B LDA #5B
..8966 8D 11 D0 STA #D011
..8969 58 CLI
..896A A9 00 LDA #00
..896C 8D 70 B9 STA #8970
..896F A9 00 LDA #00
..8971 F0 5C BEQ #89CF
..8973 CE 70 B9 DEC #8970
..8976 EE 4E 39 INC #394E
..8979 A2 00 LDX #00
..897B AD 4E 39 LDA #394E
..897E 29 01 AND #01
..8980 F0 10 BEQ #8992
..8982 A2 10 LDX #10
..8984 EE 50 39 INC #3950
..8987 A5 88 LDA #88
..8989 18 CLC
..898A 69 64 ADC #64
..898C 85 88 STA #88
..898E 90 02 BCC #8992
..8990 E6 89 INC #89
..8992 A5 8A LDA #8A
..8994 18 CLC
..8995 69 40 ADC #40
..8997 85 8A STA #8A
..8999 A5 8B LDA #8B
..899B 69 01 ADC #01
..899D 85 8B STA #8B
..899F C9 80 CMP #80
..89A1 90 0C BCC #89AF
..89A3 38 SEC
..89A4 E9 20 SBC #20
..89A6 85 8B STA #8B
..89AB A5 8D LDA #8D
..89AA 38 SEC
..89AB E9 04 SBC #04
..89AD 85 8D STA #8D
..89AF A5 8C LDA #8C
..89B1 18 CLC
..89B2 69 28 ADC #28
..89B4 85 8C STA #8C
..89B6 A5 8D LDA #8D
..89BB 69 00 ADC #00
..89BA 85 8D STA #8D
..89BC A0 00 LDY #00
..89BE AD 4F 39 LDA #394F
..89C1 29 01 AND #01
..89C3 F0 01 BEQ #89C6
..89C5 C8 INY
..89C6 A9 28 LDA #28
..89C8 38 SEC
..89C9 ED 97 80 SBC #8097
..89CC 20 62 83 JSR #8362
..89CF A9 00 LDA #00
..89D1 F0 5C BEQ #89A2F
..89D3 CE D0 89 DEC #89D0

```

```

..89D6 CE 4E 39 DEC #394E
..89D9 A2 20 LDX #20
..89DB AD 4E 39 LDA #394E
..89DE 29 01 AND #01
..89E0 D0 10 BNE #89F2
..89E2 A2 30 LDX #30
..89E4 CE 50 39 DEC #3950
..89E7 A5 88 LDA #88
..89E9 38 SEC
..89EA E9 64 SBC #64
..89EC 85 88 STA #88
..89EE B0 02 BCS #89F2
..89F0 C6 89 DEC #89
..89F2 A5 8A LDA #8A
..89F4 38 SEC
..89F5 E9 40 SBC #40
..89F7 85 8A STA #8A
..89F9 A5 8B LDA #8B
..89FB E9 01 SBC #01
..89FD 85 8B STA #8B
..89FF C9 60 CMP #60
..8A01 B0 0C BCS #8A0F
..8A03 18 CLC
..8A04 69 20 ADC #20
..8A06 B5 8B STA #8B
..8A08 A5 8D LDA #8D
..8A0A 18 CLC
..8A0B 69 04 ADC #04
..8A0D 85 8D STA #8D
..8A0F A5 8C LDA #8C
..8A11 38 SEC
..8A12 E9 28 SBC #28
..8A14 85 8C STA #8C
..8A16 A5 8D LDA #8D
..8A18 E9 00 SBC #00
..8A1A 85 8D STA #8D
..8A1C A0 00 LDY #00
..8A1E AD 4F 39 LDA #394F
..8A21 29 01 AND #01
..8A23 F0 01 BEQ #8A26
..8A25 C8 INY
..8A26 A9 28 LDA #28
..8A28 38 SEC
..8A29 ED 97 80 SBC #8097
..8A2C 20 62 83 JSR #8362
..8A2F A9 00 LDA #00
..8A31 F0 56 BEQ #8A89
..8A33 CE 30 8A DEC #8A30
..8A36 EE 4F 39 INC #394F
..8A39 A2 40 LDX #40
..8A3B AD 4F 39 LDA #394F
..8A3E 29 01 AND #01
..8A40 F0 0B BEQ #8A4D
..8A42 A2 50 LDX #50
..8A44 EE 51 39 INC #3951
..8A47 E6 88 INC #88
..8A49 D0 02 BNE #8A4D
..8A4B E6 89 INC #89
..8A4D A5 8A LDA #8A
..8A4F 18 CLC
..8A50 69 08 ADC #08

```

```

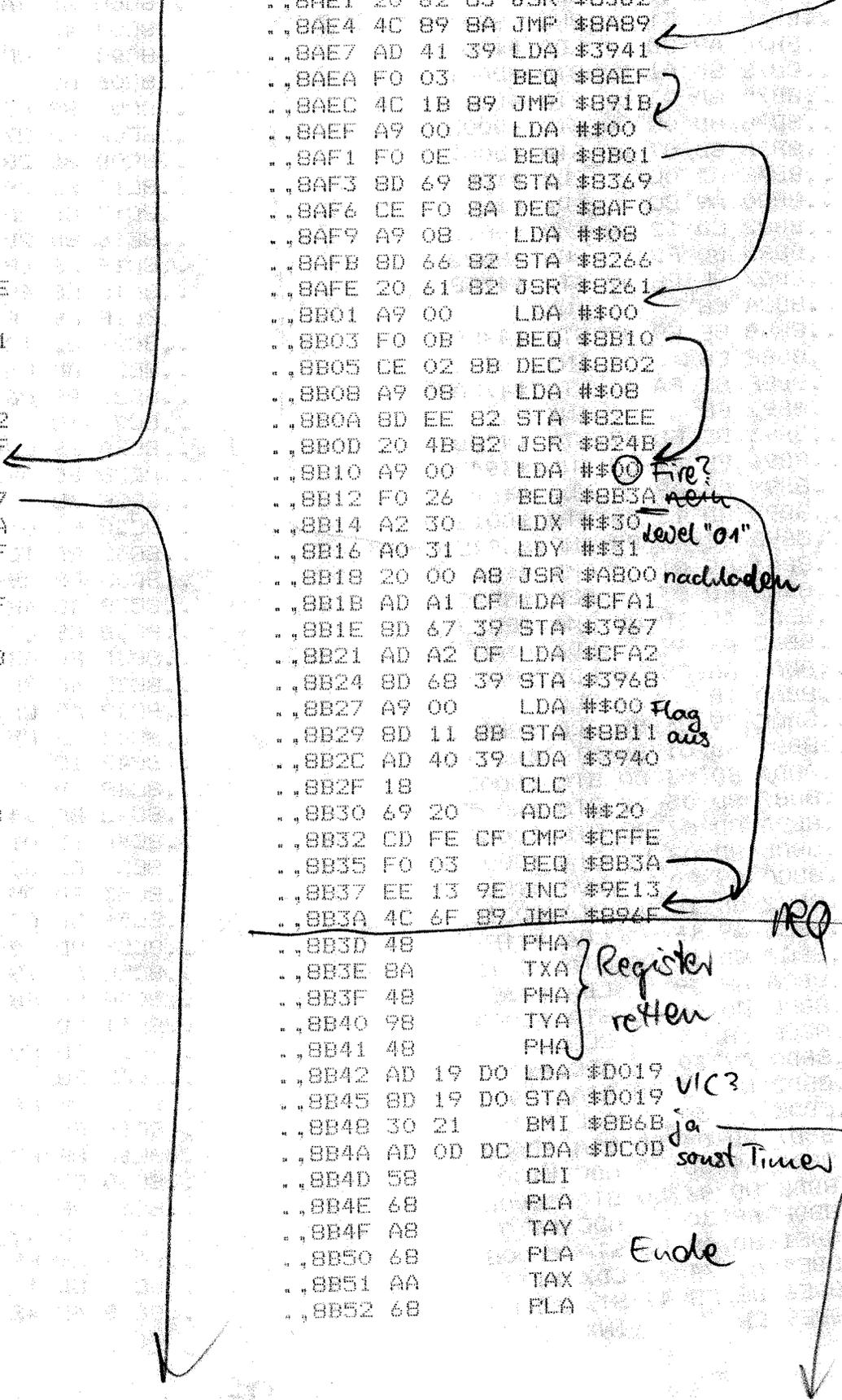
..BA52 85 8A STA $8A
..BA54 A5 8B LDA $8B
..BA56 69 00 ADC #$00
..BA58 85 8B STA $8B
..BA5A C9 80 CMP #$80
..BA5C 90 0C BCC $8A6A
..BA5E 38 SEC
..BA5F E9 20 SBC #$20
..BA61 85 8B STA $8B
..BA63 A5 8D LDA $8D
..BA65 38 SEC
..BA66 E9 04 SBC #$04
..BA68 85 8D STA $8D
..BA6A A5 8C LDA $8C
..BA6C 18 CLC
..BA6D 69 01 ADC #$01
..BA6F 85 8C STA $8C
..BA71 A5 8D LDA $8D
..BA73 69 00 ADC #$00
..BA75 85 8D STA $8D
..BA77 A0 00 LDY #$00
..BA79 AD 4E 39 LDA $394E
..BA7C 29 01 AND #$01
..BA7E F0 01 BEQ $8A81
..BA80 CB INY
..BA81 A9 64 LDA #$64
..BA83 20 62 83 JSR $8362
..BA86 4C 2F 8A JMP $8A2F
..BA89 A9 00 LDA #$00
..BA8B F0 5A BEQ $8AE7
..BA8D CE 8A 8A DEC $8A8A
..BA90 CE 4F 39 DEC $394F
..BA93 A2 60 LDX #$60
..BA95 AD 4F 39 LDA $394F
..BA98 29 01 AND #$01
..BA9A D0 0F BNE $8AAB
..BA9C A2 70 LDX #$70
..BA9E CE 51 39 DEC $3951
..BAA1 C6 88 DEC $88
..BAA3 A5 88 LDA $88
..BAA5 C9 FF CMP #$FF
..BAA7 D0 02 BNE $8AAB
..BAA9 C6 89 DEC $89
..BAAB A5 8A LDA $8A
..BAAD 38 SEC
..BAAE E9 08 SBC #$08
..BAB0 85 8A STA $8A
..BAB2 A5 8B LDA $8B
..BAB4 E9 00 SBC #$00
..BAB6 85 8B STA $8B
..BAB8 C9 60 CMP #$60
..BABA B0 0C BCS $8ACB
..BABC 18 CLC
..BABD 69 20 ADC #$20
..BABF 85 8B STA $8B
..BAC1 A5 8D LDA $8D
..BAC3 18 CLC
..BAC4 69 04 ADC #$04
..BAC6 85 8D STA $8D
..BAC8 A5 8C LDA $8C
..BACA 38 SEC
..BACB E9 01 SBC #$01

```

```

..BACD 85 8C STA $8C
..BACF A5 8D LDA $8D
..BAD1 E9 00 SBC #$00
..BAD3 85 8D STA $8D
..BAD5 A0 00 LDY #$00
..BAD7 AD 4E 39 LDA $394E
..BADA 29 01 AND #$01
..BADC F0 01 BEQ $8ADF
..BADE CB INY
..BADE A9 64 LDA #$64
..BAE1 20 62 83 JSR $8362
..BAE4 4C 89 8A JMP $8A89
..BAE7 AD 41 39 LDA $3941
..BAEA F0 03 BEQ $8AEF
..BAEC 4C 1B 89 JMP $891B
..BAEF A9 00 LDA #$00
..BAF1 F0 0E BEQ $8B01
..BAF3 8D 69 83 STA $8369
..BAF6 CE F0 8A DEC $8AF0
..BAF9 A9 08 LDA #$08
..BAFB 8D 66 82 STA $8266
..BAFE 20 61 82 JSR $8261
..BB01 A9 00 LDA #$00
..BB03 F0 0B BEQ $8B10
..BB05 CE 02 8B DEC $8B02
..BB08 A9 08 LDA #$08
..BB0A 8D EE 82 STA $82EE
..BB0D 20 4B 82 JSR $824B
..BB10 A9 00 LDA #$00
..BB12 F0 26 BEQ $8B3A
..BB14 A2 30 LDX #$30
..BB16 A0 31 LDY #$31
..BB18 20 00 8B JSR $8B00
..BB1B AD A1 CF LDA $CFA1
..BB1E 8D 67 39 STA $3967
..BB21 AD A2 CF LDA $CFA2
..BB24 8D 68 39 STA $3968
..BB27 A9 00 LDA #$00
..BB29 8D 11 8B STA $8B11
..BB2C AD 40 39 LDA $3940
..BB2F 18 CLC
..BB30 69 20 ADC #$20
..BB32 CD FE CF CMP $CFFE
..BB35 F0 03 BEQ $8B3A
..BB37 EE 13 9E INC $9E13
..BB3A 4C 6F 89 JMP $894F
..BB3D 48 PHA
..BB3E 8A TXA
..BB3F 48 PHA
..BB40 98 TYA
..BB41 48 PHA
..BB42 AD 19 D0 LDA $D019
..BB45 8D 19 D0 STA $D019
..BB48 30 21 BMI $8B6B
..BB4A AD 0D DC LDA $DC0D
..BB4D 58 CLI
..BB4E 68 PLA
..BB4F A8 TAY
..BB50 68 PLA
..BB51 AA TAX
..BB52 68 PLA

```



```

.,8B53 40      RTI
.,8B54 A9 00   LDA #00
.,8B56 8D 15 D0 STA $D015
.,8B59 8D 1A D0 STA $D01A
.,8B5C 8D 20 D0 STA $D020
.,8B5F 8D 21 D0 STA $D021
.,8B62 A9 40   LDA #40
.,8B64 8D 11 D0 STA $D011
.,8B67 78     SEI
.,8B68 4C 4E 8B JMP $8B4E
.,8B6B AD 49 39 LDA $3949
.,8B6E D0 31 00 BNE $8BA1
.,8B70 A9 8D   LDA #8D
.,8B72 8D 01 D0 STA $D001
.,8B75 8D 03 D0 STA $D003
.,8B78 8D 05 D0 STA $D005
.,8B7B 8D 07 D0 STA $D007
.,8B7E A2 0C   LDX #0C
.,8B80 A9 BC   LDA #8C
.,8B82 CD 12 D0 CMP $D012
.,8B85 B0 FB   BCS $8B82
.,8B87 8E FB 47 STX $47FB
.,8B8A E8     INX
.,8B8B 8E F9 47 STX $47F9
.,8B8E E8     INX
.,8B8F 8E FA 47 STX $47FA
.,8B92 E8     INX
.,8B93 8E FB 47 STX $47FB
.,8B96 EE 49 39 INC $3949
.,8B99 A9 AB   LDA #AB
.,8B9B 8D 12 D0 STA $D012
.,8B9E 4C 4E 8B JMP $8B4E
.,8BA1 C9 01   CMP #01
.,8BA3 F0 03   BEQ $8BA8
.,8BA5 4C 3B 8C JMP $8C3B
.,8BA8 A9 AF   LDA #AF
.,8BAA AC C5 8E LDY $8EC5
.,8BAD 18     CLC
.,8BAE 79 C6 8E ADC $8EC6,Y
.,8BB1 8D 01 D0 STA $D001
.,8BB4 8D 03 D0 STA $D003
.,8BB7 8D 05 D0 STA $D005
.,8BBA 8D 07 D0 STA $D007
.,8BBD 8D 09 D0 STA $D009
.,8BC0 A9 E0   LDA #E0
.,8BC2 8D 1C D0 STA $D01C
.,8BC5 A9 1F   LDA #1F
.,8BC7 8D 1D D0 STA $D01D
.,8BCA A9 39   LDA #39
.,8BCC 8D 00 D0 STA $D000
.,8BCF 18     CLC
.,8BD0 69 30   ADC #30
.,8BD2 8D 02 D0 STA $D002
.,8BD5 69 30   ADC #30
.,8BD7 8D 04 D0 STA $D004
.,8BDA 69 30   ADC #30
.,8BDC 8D 06 D0 STA $D006
.,8BDF 69 30   ADC #30
.,8BE1 8D 08 D0 STA $D008
.,8BE4 A2 74   LDX #74
.,8BE6 8E FB 47 STX $47FB
.,8BE9 E8     INX

```

```

.,8BEA 8E F9 47 STX $47F9
.,8BED E8     INX
.,8BEE 8E FA 47 STX $47FA
.,8BF1 E8     INX
.,8BF2 8E FB 47 STX $47FB
.,8BF5 E8     INX
.,8BF6 8E FC 47 STX $47FC
.,8BF9 A9 01   LDA #01
.,8BFB AC 42 39 LDY $3942
.,8BFE F0 0A   BEQ $8C0A
.,8C00 AD 4A 39 LDA $394A
.,8C03 4A     LSR
.,8C04 29 0F   AND #0F
.,8C06 AB     TAY
.,8C07 B9 43 3A LDA $3A43,Y
.,8C0A 8D 27 D0 STA $D027
.,8C0D 8D 28 D0 STA $D028
.,8C10 8D 29 D0 STA $D029
.,8C13 8D 2A D0 STA $D02A
.,8C16 8D 2B D0 STA $D02B
.,8C19 EE 49 39 INC $3949
.,8C1C EE 49 39 INC $3949
.,8C1F A9 FF   LDA #FF
.,8C21 8D 12 D0 STA $D012
.,8C24 AC C5 8E LDY $8EC5
.,8C27 B9 C6 8E LDA $8EC6,Y
.,8C2A 18     CLC
.,8C2B 69 CC   ADC #CC
.,8C2D B0 09   BCS $8C38
.,8C2F 38     SEC
.,8C30 E9 03   SBC #03
.,8C32 8D 12 D0 STA $D012
.,8C35 CE 49 39 DEC $3949
.,8C38 4C 4E 8B JMP $8B4E
.,8C3B C9 02   CMP #02
.,8C3D F0 03   BEQ $8C42
.,8C3F 4C 7C 8C JMP $8C7C
.,8C42 A9 CD   LDA #CD
.,8C44 AE C5 8E LDX $8EC5
.,8C47 18     CLC
.,8C48 7D C6 8E ADC $8EC6,X
.,8C4B B0 24   BCS $8C71
.,8C4D 8D 01 D0 STA $D001
.,8C50 8D 03 D0 STA $D003
.,8C53 8D 05 D0 STA $D005
.,8C56 8D 07 D0 STA $D007
.,8C59 8D 09 D0 STA $D009
.,8C5C A2 79   LDX #79
.,8C5E 8E FB 47 STX $47FB
.,8C61 E8     INX
.,8C62 8E F9 47 STX $47F9
.,8C65 E8     INX
.,8C66 8E FA 47 STX $47FA
.,8C69 E8     INX
.,8C6A 8E FB 47 STX $47FB
.,8C6D E8     INX
.,8C6E 8E FC 47 STX $47FC
.,8C71 EE 49 39 INC $3949
.,8C74 A9 FF   LDA #FF
.,8C76 8D 12 D0 STA $D012
.,8C79 4C 4E 8B JMP $8B4E

```

..8C7C	EE	BF	02	INC	#02BF	..8D13	CB		INY	
..8C7F	EE	4A	39	INC	#394A	..8D14	8D	1D	8D	STA #8D1D
..8C82	A9	00		LDA	##00	..8D17	8C	1E	8D	STY #8D1E
..8C84	8D	11	D0	STA	#D011	..8D1A	A2	07		LDX ##07
..8C87	A9	00		LDA	##00	..8D1C	BD	00	A7	LDA #A700,X
..8C89	F0	24		BEQ	#8CAF	..8D1F	BC	BC	8E	LDY #8EBC,X
..8C8B	AD	02	8B	LDA	#8B02	..8D22	99	6A	5F	STA #5F6A,Y
..8C8E	D0	1C		BNE	#8CAC	..8D25	CA			DEX
..8C90	A9	00		LDA	##00	..8D26	10	F4		BPL #8D1C
..8C92	8D	69	83	STA	#8369	..8D28	AD	3D	8E	LDA #8E3D
..8C95	CE	88	8C	DEC	#8C88	..8D2B	0A			ASL
..8C98	A9	08		LDA	##08	..8D2C	AA			TAX
..8C9A	8D	A6	82	STA	#82A6	..8D2D	AD	23	8D	LDA #8D23
..8C9D	20	4B	82	JSR	#824B	..8D30	1B			CLC
..8CA0	AD	4E	39	LDA	#394E	..8D31	7D	3E	8E	ADC #8E3E,X
..8CA3	38			SEC		..8D34	8D	23	8D	STA #8D23
..8CA4	E9	01		SBC	##01	..8D37	AD	24	8D	LDA #8D24
..8CA6	8D	52	39	STA	#3952	..8D3A	7D	3F	8E	ADC #8E3F,X
..8CA9	EE	19	D0	INC	#D019	..8D3D	8D	24	8D	STA #8D24
..8CAC	4C	4E	8B	JMP	#8B4E	..8D40	EE	3D	8E	INC #8E3D
..8CAF	A9	1B		LDA	##1B	..8D43	AD	3D	8E	LDA #8E3D
..8CB1	8D	11	D0	STA	#D011	..8D46	29	07		AND ##07
..8CB4	20	B1	35	JSR	#35B1	..8D48	D0	B8		BNE #8D02
..8CB7	20	03	09	JSR	#0903	..8D4A	AD	3D	8E	LDA #8E3D
..8CBA	AD	3F	39	LDA	#393F	..8D4D	C9	40		CMF ##40
..8CBD	D0	03		BNE	#8CC2	..8D4F	D0	11		BNE #8D62
..8CBF	4C	E9	8E	JMP	#8EE9	..8D51	A9	00		LDA ##00
..8CC2	CE	C6	8C	DEC	#8CC6	..8D53	8D	FF	8C	STA #8CFF
..8CC5	A9	FE		LDA	##FE	..8D56	EE	F0	8C	INC #8CF0
..8CC7	D0	03		BNE	#8CCD	..8D59	AD	06	8D	LDA #8D06
..8CC9	EE	CD	8C	INC	#8CCD	..8D5C	18			CLC
..8CCC	A9	01		LDA	##01	..8D5D	69	40		ADC ##40
..8CCE	F0	1F		BEQ	#8CEF	..8D5F	8D	06	8D	STA #8D06
..8CD0	EE	C5	8E	INC	#8EC5	..8D62	AD	18	9E	LDA #9E18
..8CD3	AD	C5	8E	LDA	#8EC5	..8D65	D0	23		BNE #8D8A
..8CD6	C9	22		CMP	##22	..8D67	A9	00		LDA ##00
..8CD8	D0	15		BNE	#8CEF	..8D69	D0	10		BNE #8D7B
..8CDA	CE	CD	8C	DEC	#8CCD	..8D6B	A9	01		LDA ##01
..8CDD	EE	FF	8C	INC	#8CFF	..8D6D	8D	EE	82	STA #82EE
..8CE0	A9	00		LDA	##00	..8D70	AD	4F	39	LDA #394F
..8CE2	8D	3D	8E	STA	#8E3D	..8D73	CD	A4	CF	CMP #CFA4
..8CE5	A9	00		LDA	##00	..8D76	D0	12		BNE #8D8A
..8CE7	8D	23	8D	STA	#8D23	..8D78	EE	68	8D	INC #8D68
..8CEA	A9	5D		LDA	##5D	..8D7B	A9	01		LDA ##01
..8CEC	8D	24	8D	STA	#8D24	..8D7D	8D	22	83	STA #8322
..8CEF	A9	00		LDA	##00	..8D80	AD	4F	39	LDA #394F
..8CF1	F0	0B		BEQ	#8CFE	..8D83	C9	02		CMP ##02
..8CF3	CE	C5	8E	DEC	#8EC5	..8D85	D0	03		BNE #8D8A
..8CF6	AD	C5	8E	LDA	#8EC5	..8D87	CE	68	8D	DEC #8D68
..8CF9	D0	03		BNE	#8CFE	..8D8A	AD	00	DC	LDA #DC00
..8CFB	CE	F0	8C	DEC	#8CF0	..8D8D	29	10		AND ##10
..8CFE	A9	00		LDA	##00	..8D8F	D0	0B		BNE #8D9C
..8D00	F0	60		BEQ	#8D62	..8D91	AD	18	9E	LDA #9E18
..8D02	AE	3D	8E	LDX	#8E3D	..8D94	D0	06		BNE #8D9C
..8D05	BD	40	A4	LDA	#A440,X	..8D96	EE	18	9E	INC #9E18
..8D08	E0	3F		CPX	##3F	..8D99	EE	11	8B	INC #8B11
..8DOA	F0	34		BEQ	#8D40	..8D9C	A9	28		LDA ##28
..8DOC	A0	A6		LDY	##A6	..8D9E	4C	BA	8D	JMP #8DBA
..8DOE	0A			ASL		..8DA1	EE	9D	8D	INC #8D9D
..8DOF	0A			ASL		..8DA4	29	7F		AND ##7F
..8D10	0A			ASL		..8DA6	AA			TAX
..8D11	90	01		BCC	#8D14					

Joyofick?
Fewer?
mean

```

.,8DA7 BD BD 8D LDA $8DBD,X
.,8DAA C9 04 CMP #04
.,8DAC 90 09 BCC $8DB7
.,8DAE 38 SEC
.,8DAF E9 04 SBC #04
.,8DB1 8D 66 82 STA $8266
.,8DB4 4C BA 8D JMP $8DBA
.,8DB7 8D A6 82 STA $82A6
.,8DBA 4C 89 95 JMP $9589
.,8DBD 00 BRK
.,8DBE 00 BRK
.,8DBF 00 BRK
.,8DC0 00 BRK
.,8DC1 00 BRK
.,8DC2 00 BRK
.,8DC3 00 BRK
.,8DC4 00 BRK
.,8DC5 00 BRK
.,8DC6 00 BRK
.,8DC7 00 BRK
.,8DC8 00 BRK
.,8DC9 00 BRK
.,8DCA 00 BRK
.,8DCB 00 BRK
.,8DCC 00 BRK
.,8DCD 01 00 ORA ($00,X)
.,8DCF 00 BRK
.,8DD0 00 BRK
.,8DD1 01 00 ORA ($00,X)
.,8DD3 01 00 ORA ($00,X)
.,8DD5 01 00 ORA ($00,X)
.,8DD7 01 00 ORA ($00,X)
.,8DD9 01 00 ORA ($00,X)
.,8DDB 01 00 ORA ($00,X)
.,8DDD 01 01 ORA ($01,X)
.,8DDF 01 01 ORA ($01,X)
.,8DE1 01 01 ORA ($01,X)
.,8DE3 01 01 ORA ($01,X)
.,8DE5 01 01 ORA ($01,X)
.,8DE7 01 01 ORA ($01,X)
.,8DE9 01 01 ORA ($01,X)
.,8DEB 01 01 ORA ($01,X)
.,8DED 00 BRK
.,8DEE 01 00 ORA ($00,X)
.,8DF0 01 00 ORA ($00,X)
.,8DF2 01 00 ORA ($00,X)
.,8DF4 01 00 ORA ($00,X)
.,8DF6 01 00 ORA ($00,X)
.,8DF8 01 00 ORA ($00,X)
.,8DFA 01 00 ORA ($00,X)
.,8DFC 01 04 ORA ($04,X)
.,8DFE 04 ???
.,8DFF 04 ???
.,8E00 04 ???
.,8E01 04 ???
.,8E02 04 ???
.,8E03 04 ???
.,8E04 04 ???
.,8E05 04 ???
.,8E06 04 ???
.,8E07 04 ???
.,8E08 04 ???

```

```

.,8E09 04 ???
.,8E0A 04 ???
.,8E0B 04 ???
.,8E0C 04 ???
.,8E0D 05 04 ORA $04
.,8E0F 05 04 ORA $04
.,8E11 05 04 ORA $04
.,8E13 05 04 ORA $04
.,8E15 05 04 ORA $04
.,8E17 05 04 ORA $04
.,8E19 05 04 ORA $04
.,8E1B 05 04 ORA $04
.,8E1D 05 05 ORA $05
.,8E1F 05 05 ORA $05
.,8E21 05 05 ORA $05
.,8E23 05 05 ORA $05
.,8E25 05 05 ORA $05
.,8E27 05 05 ORA $05
.,8E29 05 05 ORA $05
.,8E2B 05 05 ORA $05
.,8E2D 04 ???
.,8E2E 05 04 ORA $04
.,8E30 05 04 ORA $04
.,8E32 05 04 ORA $04
.,8E34 05 04 ORA $04
.,8E36 05 04 ORA $04
.,8E38 05 04 ORA $04
.,8E3A 04 ???
.,8E3B 04 ???
.,8E3C 05 40 ORA $40
.,8E3E 01 00 ORA ($00,X)
.,8E40 01 00 ORA ($00,X)
.,8E42 3E 00 01 ROL $0100,X
.,8E45 00 BRK
.,8E46 01 00 ORA ($00,X)
.,8E48 3E 00 01 ROL $0100,X
.,8E4B 00 BRK
.,8E4C 01 00 ORA ($00,X)
.,8E4E 3E 00 01 ROL $0100,X
.,8E51 00 BRK
.,8E52 01 00 ORA ($00,X)
.,8E54 3E 00 01 ROL $0100,X
.,8E57 00 BRK
.,8E58 01 00 ORA ($00,X)
.,8E5A 25 FF AND $FF
.,8E5C 00 BRK
.,8E5D 00 BRK
.,8E5E 01 00 ORA ($00,X)
.,8E60 01 00 ORA ($00,X)
.,8E62 3E 00 01 ROL $0100,X
.,8E65 00 BRK
.,8E66 01 00 ORA ($00,X)
.,8E68 3E 00 01 ROL $0100,X
.,8E6B 00 BRK
.,8E6C 01 00 ORA ($00,X)
.,8E6E 3E 00 01 ROL $0100,X
.,8E71 00 BRK
.,8E72 01 00 ORA ($00,X)
.,8E74 3E 00 01 ROL $0100,X
.,8E77 00 BRK
.,8E78 01 00 ORA ($00,X)

```

..8E7A 17	???	..8EDF 25 28	AND \$28
..8E7B 00	BRK	..8EE1 2C 30 34	BIT \$3430
..8E7C 00	BRK	..8EE4 38	SEC
..8E7D 00	BRK	..8EE5 3C	???
..8E7E 01 00	DRA (\$00,X)	..8EE6 40	RTI
..8E80 01 00	DRA (\$00,X)	..8EE7 45 4A	EOR \$4A
..8E82 3E 00 01	RDL \$0100,X	..8EE9 AD 65 39	LDA \$3965
..8E85 00	BRK	..8EEC F0 03	BEQ \$8EF1
..8E86 01 00	DRA (\$00,X)	..8EEE 4C 89 95	JMP \$9589
..8E88 3E 00 01	RDL \$0100,X	..8EF1 AD 01 DC	LDA \$DC01
..8E8B 00	BRK	..8EF4 29 80	AND #\$80
..8E8C 01 00	DRA (\$00,X)	..8EF6 F0 07	BEQ \$8EFF
..8E8E 3E 00 01	RDL \$0100,X	..8EF8 A9 00	LDA #\$00
..8E91 00	BRK	..8EFA 8D 00 BF	STA \$8F00
..8E92 01 00	DRA (\$00,X)	..8EFD F0 0F	BEQ \$8FOE
..8E94 3E 00 01	RDL \$0100,X	..8EFF A9 00	LDA #\$00
..8E97 00	BRK	..8F01 D0 0B	BNE \$8FOE
..8E98 01 00	DRA (\$00,X)	..8F03 EE 00 BF	INC \$8F00
..8E9A 25 FF	AND \$FF	..8F06 AD 43 39	LDA \$3943
..8E9C 00	BRK	..8F09 49 01	EOR #\$01
..8E9D 00	BRK	..8F0B 8D 43 39	STA \$3943
..8E9E 01 00	DRA (\$00,X)	..8F0E AD 43 39	LDA \$3943
..8EA0 01 00	DRA (\$00,X)	..8F11 F0 2D	BEQ \$8F40
..8EA2 3E 00 01	RDL \$0100,X	..8F13 A9 37	LDA #\$37
..8EA5 00	BRK	..8F15 85 01	STA \$01
..8EA6 01 00	DRA (\$00,X)	..8F17 A9 00	LDA #\$00
..8EAB 3E 00 01	RDL \$0100,X	..8F19 85 C6	STA \$C6
..8EAB 00	BRK	..8F1B 8D 77 02	STA \$0277
..8EAC 01 00	DRA (\$00,X)	..8F1E 20 87 EA	JSR \$EAB7
..8EAE 3E 00 01	RDL \$0100,X	..8F21 A9 35	LDA #\$35
..8EB1 00	BRK	..8F23 85 01	STA \$01
..8EB2 01 00	DRA (\$00,X)	..8F25 AE 6C 39	LDX \$396C
..8EB4 3E 00 01	RDL \$0100,X	..8F28 BD 6D 39	LDA \$396D,X
..8EB7 00	BRK	..8F2B CD 77 02	CMP \$0277
..8EB8 01 00	DRA (\$00,X)	..8F2E D0 0D	BNE \$8F3D
..8EBA 01 00	DRA (\$00,X)	..8F30 EE 6C 39	INC \$396C
..8EBC 00	BRK	..8F33 AD 6C 39	LDA \$396C
..8EBD 03	???	..8F36 C9 07	CMP #\$07
..8EBE 06 09	ASL \$09	..8F38 D0 03	BNE \$8F3D
..8EC0 0C	???	..8F3A 4C AA 31	JMP \$31AA
..8EC1 0F	???	..8F3D 4C 69 9B	JMP \$9B69
..8EC2 12	???	..8F40 4C 75 8F	JMP \$8F75
..8EC3 15 18	DRA \$18,X	..8F43 A9 00	LDA #\$00
..8EC5 03	???	..8F45 EE 44 8F	INC \$8F44
..8EC6 00	BRK	..8F48 4A	LSR
..8EC7 00	BRK	..8F49 29 0F	AND #\$0F
..8EC8 01 01	DRA (\$01,X)	..8F4B AA	TAX
..8ECA 02	???	..8F4C BD 43 3A	LDA \$3A43,X
..8ECB 02	???	..8F4F AA	TAX
..8ECC 03	???	..8F50 AE 21 D0	LDX \$D021
..8ECD 03	???	..8F53 8E F8 DB	STX \$DBF8
..8ECE 04	???	..8F56 8E F9 DB	STX \$DBF9
..8ECF 05 06	DRA \$06	..8F59 8E FA DB	STX \$DBFA
..8ED1 07	???	..8F5C 8E FB DB	STX \$DBFB
..8ED2 08	PHP	..8F5F 8E FC DB	STX \$DBFC
..8ED3 09 0A	DRA #\$0A	..8F62 8E FD DB	STX \$DBFD
..8ED5 0C	???	..8F65 8E FE DB	STX \$DBFE
..8ED6 0E 10 12	ASL \$1210	..8F68 8E FF DB	STX \$DBFF
..8ED9 14	???	..8F6B A2 3F	LDX #\$3F
..8EDA 16 19	ASL \$19,X	..8F6D A9 FF	LDA #\$FF
..8EDC 1C	???	..8F6F 9D C0 7F	STA \$7FC0,X
..8EDD 1F	???		
..8EDE 22	???		

.,8F72 CA	DEX	.,9001 CB	INY
.,8F73 10 FA	BFL #8F6F	.,9002 A2 00	LDX #00
.,8F75 A9 FF	LDA #0FF	.,9004 20 94 87	JSR #8794
.,8F77 8D FF 7F	STA #7FFF	.,9007 4C 47 90	JMP #9047
.,8F7A AD 21 D0	LDA #D021	.,900A AD 57 39	LDA #3957
.,8F7D 8D FF DB	STA #DBFF	.,900D C9 03	CMP #03
.,8F80 AD 01 DC	LDA #DC01	.,900F 90 BE	BCC #8FCF
.,8F83 29 10	AND #010	.,9011 A0 C9	LDY #0C9
.,8F85 D0 08	BNE #8F8F	.,9013 B1 FC	LDA (#FC),Y
.,8F87 AD 90 BF	LDA #8F90	.,9015 F0 0F	BEQ #9026
.,8F8A 49 01	EOR #01	.,9017 C9 0C	CMP #0C
.,8F8C 8D 90 BF	STA #8F90	.,9019 B0 0B	BCS #9026
.,8F8F A9 00	LDA #00	.,901B 8D 48 90	STA #9048
.,8F91 F0 0A	BEQ #8F9D	.,901E AD 7B 3A	LDA #3A7B
.,8F93 AD 4A 39	LDA #394A	.,9021 1B	CLC
.,8F96 29 0F	AND #0F	.,9022 69 01	ADC #01
.,8F98 F0 03	BEQ #8F9D	.,9024 D0 17	BNE #903D
.,8F9A 4C 69 9B	JMP #9B69	.,9026 AD 5B 39	LDA #395B
.,8F9D A2 00	LDX #00	.,9029 C9 03	CMP #03
.,8F9F 20 CE 8B	JSR #8BCE	.,902B B0 C4	BCS #8FF1
.,8FA2 AD 8B 3A	LDA #3A8B	.,902D A0 C8	LDY #0C8
.,8FA5 4A	LSR	.,902F B1 FC	LDA (#FC),Y
.,8FA6 4A	LSR	.,9031 F0 BE	BEQ #8FF1
.,8FA7 8D 5B 39	STA #395B	.,9033 C9 0C	CMP #0C
.,8FAA AD 93 3A	LDA #3A93	.,9035 B0 BA	BCS #8FF1
.,8FAD 4A	LSR	.,9037 8D 4B 90	STA #904B
.,8FAE 4A	LSR	.,903A AD 7B 3A	LDA #3A7B
.,8FAF 8D 59 39	STA #3959	.,903D AC 83 3A	LDY #3A83
.,8FB2 A2 01	LDX #01	.,9040 CB	INY
.,8FB4 AD 5A 39	LDA #395A	.,9041 CB	INY
.,8FB7 F0 04	BEQ #8FB7	.,9042 A2 00	LDX #00
.,8FB9 29 01	AND #01	.,9044 20 94 87	JSR #8794
.,8FBB D0 00	BNE #8FB7	.,9047 A9 06	LDA #06
.,8FBD 8E 62 39	STX #3962	.,9049 C9 06	CMP #06
.,8FC0 AD A3 3A	LDA #3AA3	.,904B B0 11	BCS #905E
.,8FC3 F0 03	BEQ #8FCB	.,904D AD 83 39	LDA #3983
.,8FC5 4C 31 91	JMP #9131	.,9050 1B	CLC
.,8FC8 AD 4A 39	LDA #394A	.,9051 69 04	ADC #04
.,8FCB 29 01	AND #01	.,9053 8D 83 39	STA #3983
.,8FCD D0 3B	BNE #900A	.,9056 A9 03	LDA #03
.,8FCF A0 65	LDY #65	.,9058 20 43 37	JSR #3743
.,8FD1 B1 FC	LDA (#FC),Y	.,905B 4C 31 91	JMP #9131
.,8FD3 F0 0F	BEQ #8FE4	.,905E C9 06	CMP #06
.,8FD5 C9 0C	CMP #0C	.,9060 D0 19	BNE #907B
.,8FD7 B0 0B	BCS #8FE4	.,9062 AD 3C 3A	LDA #3A3C
.,8FD9 8D 4B 90	STA #904B	.,9065 1B	CLC
.,8FDC AD 7B 3A	LDA #3A7B	.,9066 69 14	ADC #014
.,8FDF 1B	CLC	.,9068 8D 3C 3A	STA #3A3C
.,8FE0 69 01	ADC #01	.,906B A2 04	LDX #04
.,8FE2 D0 1A	BNE #8FE4	.,906D CE 47 39	DEC #3947
.,8FE4 AD 5B 39	LDA #395B	.,9070 D0 02	BNE #9074
.,8FE7 C9 03	CMP #03	.,9072 A2 0B	LDX #0B
.,8FE9 B0 06	BCS #8FF1	.,9074 8A	TXA
.,8FEB A0 64	LDY #64	.,9075 20 43 37	JSR #3743
.,8FED B1 FC	LDA (#FC),Y	.,9078 4C 31 91	JMP #9131
.,8FEF D0 03	BNE #8FF4	.,907B C9 07	CMP #07
.,8FF1 4C FA 90	JMP #90FA	.,907D D0 3C	BNE #90BB
.,8FF4 C9 0C	CMP #0C	.,907F A9 0B	LDA #0B
.,8FF6 B0 F9	BCS #8FF1	.,9081 20 43 37	JSR #3743
.,8FF8 8D 4B 90	STA #904B	.,9084 AD 44 39	LDA #3944
.,8FFB AD 7B 3A	LDA #3A7B	.,9087 D0 15	BNE #909E
.,8FFE AC 83 3A	LDY #3A83		

```

..90B9 EE 44 39 INC $3944
..90BC A9 05 LDA #05
..90BE BD 46 39 STA $3946
..9091 A9 05 LDA #05
..9093 BD 65 3A STA $3A65
..9096 A9 01 LDA #01
..9098 BD 45 39 STA $3945
..909B 4C 31 91 JMP $9131
..909E AD 46 39 LDA $3946
..90A1 C9 05 CMP #05
..90A3 D0 08 BNE $90AD
..90A5 A9 09 LDA #09
..90A7 BD 46 39 STA $3946
..90AA 4C 31 91 JMP $9131
..90AD A9 0C LDA #0C
..90AF BD 46 39 STA $3946
..90B2 EE 45 39 INC $3945
..90B5 EE 65 3A INC $3A65
..90BB 4C 31 91 JMP $9131
..90BB C9 08 CMP #08
..90BD D0 11 BNE $90D0
..90BF AD 3C 3A LDA $3A3C
..90C2 18 CLC
..90C3 69 C8 ADC #08
..90C5 BD 3C 3A STA $3A3C
..90C8 A9 08 LDA #08
..90CA 20 43 37 JSR $3743
..90CD 4C 31 91 JMP $9131
..90D0 C9 0A CMP #0A
..90D2 D0 11 BNE $90E5
..90D4 A9 26 LDA #26
..90D6 38 SEC
..90D7 ED 82 39 SBC $3982
..90DA 8D 83 39 STA $3983
..90DD A9 08 LDA #08
..90DF 20 43 37 JSR $3743
..90E2 4C 31 91 JMP $9131
..90E5 C9 09 CMP #09
..90E7 D0 0E BNE $90F7
..90E9 EE 48 39 INC $3948
..90EC A9 08 LDA #08
..90EE 20 43 37 JSR $3743
..90F1 EE 8E 31 INC $318E
..90F4 4C 31 91 JMP $9131
..90F7 4C 31 91 JMP $9131
..90FA A9 00 LDA #00
..90FC F0 33 BEQ $9131
..90FE AD 4A 39 LDA $394A
..9101 29 01 AND #01
..9103 D0 2C BNE $9131
..9105 A9 22 LDA #22
..9107 A0 0C LDY #0C
..9109 AE FB 90 LDX $90FB
..910C E0 14 CPX #14
..910E F0 08 BEQ $911B
..9110 20 94 87 JSR $8794
..9113 EE FB 90 INC $90FB
..9116 D0 19 BNE $9131
..9118 A2 07 LDX #07
..911A E0 07 CPX #07
..911C D0 0B BNE $9124
..911E 48 PHA

```

```

..911F AD 46 39 LDA $3946
..9122 C9 0C CMP #0C
..9124 D0 02 BNE $9128
..9126 A2 08 LDX #08
..9128 68 PLA
..9129 20 94 87 JSR $8794
..912C A9 00 LDA #00
..912E BD FB 90 STA $90FB
..9131 A2 00 LDX #00
..9133 AD 00 DC LDA $DC00
..9136 BD 4D 39 STA $394D
..9139 29 01 AND #01
..913B D0 0A BNE $9147
..913D AD 5A 39 LDA $395A
..9140 D0 05 BNE $9147
..9142 A9 21 LDA #21
..9144 BD 5A 39 STA $395A
..9147 AD 4D 39 LDA $394D
..914A 29 02 AND #02
..914C F0 03 BEQ $9151
..914E 4C B2 91 JMP $91B2
..9151 AD 5A 39 LDA $395A
..9154 D0 F8 BNE $914E
..9156 AD 58 39 LDA $3958
..9159 C9 03 CMP #03
..915B F0 F1 BEQ $914E
..915D A0 65 LDY #65
..915F AD 63 39 LDA $3963
..9162 F0 18 BEQ $917C
..9164 B1 FC LDA ($FC),Y
..9166 C9 27 CMP #27
..9168 D0 E4 BNE $914E
..916A A9 00 LDA #00
..916C BD 67 39 STA $3967
..916F A9 00 LDA #00
..9171 BD 68 39 STA $3968
..9174 A9 00 LDA #00
..9176 BD 63 39 STA $3963
..9179 4C A1 91 JMP $91A1
..917C B1 FC LDA ($FC),Y
..917E C9 6E CMP #6E
..9180 F0 04 BEQ $9186
..9182 C9 72 CMP #72
..9184 D0 2C BNE $91B2
..9186 AD 7B 3A LDA $3A7B
..9189 BD 6B 91 STA $916B
..918C AD 83 3A LDA $3A83
..918F BD 70 91 STA $9170
..9192 AD A9 CF LDA $CFA9
..9195 BD 67 39 STA $3967
..9198 AD AA CF LDA $CFAA
..919B BD 68 39 STA $3968
..919E EE 63 39 INC $3963
..91A1 A9 40 LDA #40
..91A3 BD 11 D0 STA $D011
..91A6 20 19 35 JSR $3519
..91A9 EE 41 39 INC $3941
..91AC EE F5 85 INC $85F5
..91AF 4C 54 8B JMP $8B54
..91B2 A9 00 LDA #00
..91B4 F0 06 BEQ $91BC

```

joystick
marken

"->" ?

nein

ja

Y

Y

```

..91B6 CE B3 91 DEC #91B3
..91B9 4C 4B 92 JMP #924B
..91BC AD A3 3A LDA #3AA3
..91BF D0 F8 BNE #91B9
..91C1 AD 4D 39 LDA #394D joystick
..91C4 29 04 AND #04 "1"
..91C6 D0 36 BNE #91FE nein
..91C8 AD 63 3A LDA #3A63
..91CB C9 03 CMP #03
..91CD D0 0F BNE #91DE
..91CF A2 00 LDX #00
..91D1 8E 63 3A STX #3A63
..91D4 8E 64 3A STX #3A64
..91D7 A9 03 LDA #03
..91D9 8D B3 91 STA #91B3
..91DC D0 15 BNE #91F3
..91DE A9 02 LDA #02
..91E0 8D 63 3A STA #3A63
..91E3 A9 04 LDA #04
..91E5 8D 64 3A STA #3A64
..91EB EE 64 39 INC #3964
..91EB AD 98 39 LDA #3998
..91EE F0 03 BEQ #91F3
..91F0 CE 98 39 DEC #3998
..91F3 4C 4B 92 JMP #924B
..91F6 A9 08 LDA #08
..91F8 8D 98 39 STA #3998
..91FB 4C 4B 92 JMP #924B
..91FE AD 4D 39 LDA #394D
..9201 29 08 AND #08 "1"
..9203 D0 30 BNE #9235 nein
..9205 AD 63 3A LDA #3A63
..9208 C9 02 CMP #02
..920A D0 0F BNE #921B
..920C A2 00 LDX #00
..920E 8E 63 3A STX #3A63
..9211 8E 64 3A STX #3A64
..9214 A9 03 LDA #03
..9216 8D B3 91 STA #91B3
..9219 D0 30 BNE #924B
..921B A9 03 LDA #03
..921D 8D 63 3A STA #3A63
..9220 A9 08 LDA #08
..9222 8D 64 3A STA #3A64
..9225 EE 64 39 INC #3964
..9228 AD 98 39 LDA #3998
..922B C9 10 CMP #010
..922D F0 03 BEQ #9232
..922F EE 98 39 INC #3998
..9232 4C 4B 92 JMP #924B
..9235 A9 00 LDA #00
..9237 8D 64 39 STA #3964
..923A AD 98 39 LDA #3998
..923D C9 08 CMP #08
..923F F0 0A BEQ #924B
..9241 B0 05 BCS #924B
..9243 EE 98 39 INC #3998
..9246 D0 03 BNE #924B
..9248 CE 98 39 DEC #3998
..924B AD 5A 39 LDA #395A
..924E D0 22 BNE #9272
..9250 AD 63 3A LDA #3A63

```

```

..9253 F0 3E BEQ #9293
..9255 AD 64 39 LDA #3964
..9258 18 CLC
..9259 69 03 ADC #03
..925B 29 0F AND #0F
..925D 4A LSR
..925E 4A LSR
..925F 18 CLC
..9260 69 04 ADC #04
..9262 AE 63 3A LDX #3A63
..9265 E0 03 CPX #03
..9267 D0 03 BNE #926C
..9269 18 CLC
..926A 69 04 ADC #04
..926C 8D 64 3A STA #3A64
..926F 4C 98 92 JMP #9298
..9272 A9 01 LDA #01
..9274 8D 64 3A STA #3A64
..9277 AD 63 3A LDA #3A63
..927A C9 02 CMP #02
..927C D0 07 BNE #9285
..927E A9 02 LDA #02
..9280 8D 64 3A STA #3A64
..9283 D0 13 BNE #9298
..9285 AD 63 3A LDA #3A63
..9288 C9 03 CMP #03
..928A D0 0C BNE #9298
..928C A9 03 LDA #03
..928E 8D 64 3A STA #3A64
..9291 D0 05 BNE #9298
..9293 A9 00 LDA #00
..9295 8D 64 3A STA #3A64
..9298 AD 59 39 LDA #3959
..929B D0 4D BNE #92EA
..929D A0 C9 LDY #C9
..929F B1 FC LDA (#FC),Y
..92A1 C9 78 CMP #78
..92A3 B0 0F BCS #92B4
..92A5 AD 58 39 LDA #3958
..92AB C9 02 CMP #02
..92AA B0 32 BCS #92DE
..92AC A0 C8 LDY #CB
..92AE B1 FC LDA (#FC),Y
..92B0 C9 78 CMP #78
..92B2 90 2A BCC #92DE
..92B4 AC 5A 39 LDY #395A
..92B7 C0 36 CPY #36
..92B9 90 2F BCC #92EA
..92BB AD A3 3A LDA #3AA3
..92BE D0 2A BNE #92EA
..92C0 AD 5B 3A LDA #3A5B
..92C3 C9 F0 CMP #F0
..92C5 B0 23 BCS #92EA
..92C7 A9 00 LDA #00
..92C9 8D 5A 39 STA #395A
..92CC 8D 93 3A STA #3A93
..92CF AD 7B 3A LDA #3A7B
..92D2 8D 67 39 STA #3967
..92D5 AC 83 3A LDY #3A83
..92D8 8C 68 39 STY #3968
..92DB 4C 20 94 JMP #9420

```

..92DE	AD	5A	39	LDA	#395A	..936A	BD	5A	39	STA	#395A
..92E1	D0	07		BNE	#92EA	..936D	AD	58	39	LDA	#3958
..92E3	A9	64		LDA	#364	..9370	C9	02		CMP	#302
..92E5	BD	5A	39	STA	#395A	..9372	B0	69		BCS	#93DD
..92E8	D0	F1		BNE	#92DB	..9374	A0	00		LDY	#300
..92EA	AD	5A	39	LDA	#395A	..9376	B1	FC		LDA	(#FC),Y
..92ED	F0	EC		BEQ	#92DB	..9378	C9	78		CMP	#378
..92EF	C9	36		CMP	#336	..937A	90	61		BCC	#93DD
..92F1	90	03		BCC	#92F6	..937C	C9	B0		CMP	#3B0
..92F3	4C	DD	93	JMP	#93DD	..937E	B0	30		BCS	#93B0
..92F6	AD	59	39	LDA	#3959	..9380	C9	AB		CMP	#3AB
..92F9	D0	F8		BNE	#92F3	..9382	90	2C		BCC	#93B0
..92FB	AD	A3	3A	LDA	#3AA3	..9384	48			PHA	
..92FE	D0	F3		BNE	#92F3	..9385	A9	05		LDA	#305
..9300	A0	01		LDY	#301	..9387	20	43	37	JSR	#3743
..9302	B1	FC		LDA	(#FC),Y	..938A	68			PLA	
..9304	C9	78		CMP	#378	..938B	C9	AB		CMP	#3AB
..9306	90	65		BCC	#936D	..938D	F0	1D		BEQ	#93AC
..9308	C9	B0		CMP	#3B0	..938F	38			SEC	
..930A	B0	31		BCS	#933D	..9390	E9	A2		SBC	#3A2
..930C	C9	AB		CMP	#3AB	..9392	BD	19	91	STA	#9119
..930E	90	2D		BCC	#933D	..9395	AE	7B	3A	LDX	#3A7B
..9310	48			PHA		..9398	BE	06	91	STX	#9106
..9311	A9	05		LDA	#305	..939B	AC	83	3A	LDY	#3AB3
..9313	20	43	37	JSR	#3743	..939E	BB			DEY	
..9316	68			PLA		..939F	BC	08	91	STY	#9108
..9317	C9	AB		CMP	#3AB	..93A2	A9	0C		LDA	#30C
..9319	F0	1E		BEQ	#9339	..93A4	BD	FB	90	STA	#90FB
..931B	38			SEC		..93A7	A9	07		LDA	#307
..931C	E9	A2		SBC	#3A2	..93A9	20	43	37	JSR	#3743
..931E	BD	19	91	STA	#9119	..93AC	A2	B4		LDX	#3B4
..9321	AE	7B	3A	LDX	#3A7B	..93AE	D0	0B		BNE	#93BB
..9324	E8			INX		..93B0	C9	C7		CMP	#3C7
..9325	BE	06	91	STX	#9106	..93B2	D0	1F		BNE	#93D3
..9328	AC	83	3A	LDY	#3AB3	..93B4	A2	C6		LDX	#3C6
..932B	BB			DEY		..93B6	A9	06		LDA	#306
..932C	BC	08	91	STY	#9108	..93B8	20	43	37	JSR	#3743
..932F	A9	0C		LDA	#30C	..93BB	AD	7B	3A	LDA	#3A7B
..9331	BD	FB	90	STA	#90FB	..93BE	BD	95	39	STA	#3995
..9334	A9	07		LDA	#307	..93C1	AC	83	3A	LDY	#3AB3
..9336	20	43	37	JSR	#3743	..93C4	BC	97	39	STY	#3997
..9339	A2	B4		LDX	#3B4	..93C7	BE	93	39	STX	#3993
..933B	D0	0B		BNE	#934B	..93CA	AD	3C	3A	LDA	#3A3C
..933D	C9	C7		CMP	#3C7	..93CD	18			CLC	
..933F	D0	22		BNE	#9363	..93CE	69	0A		ADC	#30A
..9341	A2	C6		LDX	#3C6	..93D0	BD	3C	3A	STA	#3A3C
..9343	A9	06		LDA	#306	..93D3	A9	00		LDA	#300
..9345	20	43	37	JSR	#3743	..93D5	BD	93	3A	STA	#3A93
..9348	AD	7B	3A	LDA	#3A7B	..93D8	A9	38		LDA	#338
..934B	18			CLC		..93DA	BD	5A	39	STA	#395A
..934C	69	01		ADC	#301	..93DD	AC	5A	39	LDY	#395A
..934E	BD	94	39	STA	#3994	..93E0	B9	AA	39	LDA	#39AA,Y
..9351	AC	83	3A	LDY	#3AB3	..93E3	C9	05		CMP	#305
..9354	BC	96	39	STY	#3996	..93E5	D0	04		BNE	#93EB
..9357	BE	92	39	STX	#3992	..93E7	DE	5A	39	DEC	#395A
..935A	AD	3C	3A	LDA	#3A3C	..93EA	BB			DEY	
..935D	18			CLC		..93EB	A2	00		LDX	#300
..935E	69	0A		ADC	#30A	..93ED	EE	5A	39	INC	#395A
..9360	BD	3C	3A	STA	#3A3C	..93F0	B9	AA	39	LDA	#39AA,Y
..9363	A9	00		LDA	#300	..93F3	10	16		BPL	#940B
..9365	BD	93	3A	STA	#3A93	..93F5	BD	76	95	STA	#9576
..9368	A9	38		LDA	#338						

..93FB	AD	5B	3A	LDA	#3A5B	..9493	D0	3A	BNE	#94CF	
..93FB	C9	9A		CMP	#9A	..9495	A9	00	LDA	#00	
..93FD	B0	21		BCS	#9420	..9497	D0	25	BNE	#94BE	
..93FF	A9	00		LDA	#00	..9499	A9	00	LDA	#00	
..9401	3B			SEC		..949B	3B		SEC		
..9402	F9	AA	39	SBC	#39AA,Y	..949C	ED	46	39	SBC	#3946
..9405	BD	A6	82	STA	#82A6	..949F	20	C0	33	JSR	#33C0
..9408	4C	20	94	JMP	#9420	..94A2	AD	8D	3A	LDA	#3A8D
..940B	BD	7D	95	STA	#957D	..94A5	C9	0B		CMP	#0B
..940E	AD	5B	3A	LDA	#3A5B	..94A7	B0	26		BCS	#94CF
..9411	C9	AA		CMP	#AA	..94A9	A0	64		LDY	#64
..9413	90	0B		BCC	#9420	..94AB	B1	FC		LDA	(#FC),Y
..9415	AD	A3	3A	LDA	#3AA3	..94AD	C9	7B		CMP	#7B
..9418	D0	06		BNE	#9420	..94AF	90	1E		BCC	#94CF
..941A	B9	AA	39	LDA	#39AA,Y	..94B1	A9	00		LDA	#00
..941D	BD	66	82	STA	#8266	..94B3	8D	81	94	STA	#9481
..9420	AD	A3	3A	LDA	#3AA3	..94B6	A9	C8		LDA	#C8
..9423	D0	5B		BNE	#94B0	..94B8	8D	85	3A	STA	#3A85
..9425	AD	4D	39	LDA	#394D	..94BB	4C	CF	94	JMP	#94CF
..9428	29	10		AND	#10	..94BE	AD	46	39	LDA	#3946
..942A	F0	07		BEQ	#9433	..94C1	20	D2	33	JSR	#33D2
..942C	A9	00		LDA	#00	..94C4	AD	55	3A	LDA	#3A55
..942E	BD	34	94	STA	#9434	..94C7	A0	65		LDY	#65
..9431	F0	4D		BEQ	#9480	..94C9	B1	FC		LDA	(#FC),Y
..9433	A9	00		LDA	#00	..94CB	C9	7B		CMP	#7B
..9435	D0	49		BNE	#9480	..94CD	B0	E2		BCS	#94B1
..9437	EE	34	94	INC	#9434	..94CF	A2	00		LDX	#00
..943A	AD	44	39	LDA	#3944	..94D1	AC	9B	39	LDY	#399B
..943D	F0	41		BEQ	#9480	..94D4	B9	99	39	LDA	#3999,Y
..943F	AD	81	94	LDA	#9481	..94D7	10	50		BFL	#9529
..9442	D0	3C		BNE	#9480	..94D9	AD	F3	80	LDA	#80F3
..9444	AD	64	3A	LDA	#3A64	..94DC	29	01		AND	#01
..9447	C9	02		CMP	#02	..94DE	D0	07		BNE	#94E7
..9449	90	35		BCC	#9480	..94E0	AD	53	3A	LDA	#3A53
..944B	A9	01		LDA	#01	..94E3	C9	20		CMP	#20
..944D	20	43	37	JSR	#3743	..94E5	90	3B		BCC	#9522
..9450	AD	8B	3A	LDA	#3A8B	..94E7	A0	64		LDY	#64
..9453	BD	8D	3A	STA	#3A8D	..94E9	B1	FC		LDA	(#FC),Y
..9456	AD	93	3A	LDA	#3A93	..94EB	C9	7B		CMP	#7B
..9459	BD	95	3A	STA	#3A95	..94ED	B0	33		BCS	#9522
..945C	AE	7B	3A	LDX	#3A7B	..94EF	AD	59	39	LDA	#3959
..945F	BE	7D	3A	STX	#3A7D	..94F2	F0	08		BEQ	#94FC
..9462	AD	83	3A	LDA	#3A83	..94F4	A0	C8		LDY	#C8
..9465	BD	85	3A	STA	#3A85	..94F6	B1	FC		LDA	(#FC),Y
..9468	A9	0E		LDA	#0E	..94F8	C9	7B		CMP	#7B
..946A	BD	81	94	STA	#9481	..94FA	B0	26		BCS	#9522
..946D	A9	00		LDA	#00	..94FC	AC	9B	39	LDY	#399B
..946F	BD	96	94	STA	#9496	..94FF	B9	99	39	LDA	#3999,Y
..9472	AD	64	3A	LDA	#3A64	..9502	20	C0	33	JSR	#33C0
..9475	C9	03		CMP	#03	..9505	AD	F3	80	LDA	#80F3
..9477	F0	04		BEQ	#947D	..9508	29	01		AND	#01
..9479	C9	08		CMP	#08	..950A	D0	67		BNE	#9573
..947B	90	03		BCC	#9480	..950C	AD	53	3A	LDA	#3A53
..947D	EE	96	94	INC	#9496	..950F	C9	96		CMP	#96
..9480	A9	00		LDA	#00	..9511	B0	60		BCS	#9573
..9482	F0	4B		BEQ	#94CF	..9513	A9	00		LDA	#00
..9484	A2	02		LDX	#02	..9515	3B			SEC	
..9486	20	CE	88	JSR	#88CE	..9516	F9	99	39	SBC	#3999,Y
..9489	CE	81	94	DEC	#9481	..9519	8D	22	83	STA	#8322
..948C	D0	07		BNE	#9495	..951C	EE	6A	39	INC	#396A
..948E	A9	C8		LDA	#C8	..951F	4C	73	95	JMP	#9573
..9490	BD	85	3A	STA	#3A85						

..9522	A9	08	LDA	##08	..95B6	A9	00	LDA	##00		
..9524	BD	98	39	STA	\$3998	..95B8	9D	93	3A	STA	\$3A93,X
..9527	D0	4A	BNE	\$9573	..95BB	A9	0A	LDA	##0A		
..9529	AD	47	39	LDA	\$3947	..95BD	9D	8B	3A	STA	\$3ABB,X
..952C	F0	0E	BEQ	\$953C	..95C0	AD	52	39	LDA	\$3952	
..952E	AD	F3	80	LDA	\$80F3	..95C3	4A	LSR			
..9531	29	01	AND	##01	..95C4	8D	DB	95	STA	\$95DB	
..9533	F0	07	BEQ	\$953C	..95C7	AD	06	DC	LDA	\$DC06	
..9535	AD	53	3A	LDA	\$3A53	..95CA	29	03	AND	##03	
..9538	C9	36	CMF	##36	..95CC	8D	D9	95	STA	\$95D9	
..953A	B0	E6	BCS	\$9522	..95CF	AD	04	DC	LDA	\$DC04	
..953C	AD	58	39	LDA	\$3958	..95D2	29	07	AND	##07	
..953F	C9	02	CMF	##02	..95D4	3B	SEC				
..9541	90	15	BCC	\$9558	..95D5	E9	02	SBC	##02		
..9543	A0	66	LDY	##66	..95D7	1B	CLC				
..9545	B1	FC	LDA	(\$FC),Y	..95DB	69	01	ADC	##01		
..9547	C9	78	CMF	##78	..95DA	69	03	ADC	##03		
..9549	B0	D7	BCS	\$9522	..95DC	9D	83	3A	STA	\$3A83,X	
..954B	AD	59	39	LDA	\$3959	..95DF	AD	6A	39	LDA	\$396A
..954E	F0	08	BEQ	\$9558	..95E2	D0	12	BNE	\$95F6		
..9550	A0	CA	LDY	##CA	..95E4	AD	6B	39	LDA	\$396B	
..9552	B1	FC	LDA	(\$FC),Y	..95E7	D0	0A	BNE	\$95F3		
..9554	C9	78	CMF	##78	..95E9	AD	04	DC	LDA	\$DC04	
..9556	B0	CA	BCS	\$9522	..95EC	6D	05	DC	ADC	\$DC05	
..9558	AC	98	39	LDY	\$3998	..95EF	29	01	AND	##01	
..955B	B9	99	39	LDA	\$3999,Y	..95F1	F0	03	BEQ	\$95F6	
..955E	BD	6C	95	STA	\$956C	..95F3	4C	FE	96	JMP	\$96FE
..9561	20	D2	33	JSR	\$33D2	..95F6	AD	53	39	LDA	\$3953
..9564	AD	53	3A	LDA	\$3A53	..95F9	4A	SEC			
..9567	C9	C9	CMF	##C8	..95FA	3B	SEC				
..9569	90	08	BCC	\$9573	..95FB	E9	01	SBC	##01		
..956B	A9	00	LDA	##00	..95FD	9D	7B	3A	STA	\$3A7B,X	
..956D	8D	EE	82	STA	\$82EE	..9600	20	CE	88	JSR	\$88CE
..9570	EE	6B	39	INC	\$396B	..9603	A0	C9	LDY	##C9	
..9573	A2	00	LDX	##00	..9605	B1	FC	LDA	(\$FC),Y		
..9575	A9	00	LDA	##00	..9607	C9	78	CMF	##78		
..9577	F0	03	BEQ	\$957C	..9609	90	08	BCC	\$9613		
..9579	20	97	33	JSR	\$3397	..960B	A0	65	LDY	##65	
..957C	A9	00	LDA	##00	..960D	B1	FC	LDA	(\$FC),Y		
..957E	F0	03	BEQ	\$9583	..960F	C9	78	CMF	##78		
..9580	20	A9	33	JSR	\$33A9	..9611	90	0B	BCC	\$961E	
..9583	8E	76	95	STX	\$9576	..9613	A9	00	LDA	##00	
..9586	8E	7D	95	STX	\$957D	..9615	9D	7B	3A	STA	\$3A7B,X
..9589	CE	8D	95	DEC	\$958D	..9618	9D	83	3A	STA	\$3A83,X
..958C	A9	0B	LDA	##0B	..961B	4C	61	97	JMP	\$9761	
..958E	F0	03	BEQ	\$9593	..961E	A9	01	LDA	##01		
..9590	4C	61	97	JMP	\$9761	..9620	9D	D9	3A	STA	\$3AD9,X
..9593	A9	69	LDA	##69	..9623	A9	01	LDA	##01		
..9595	29	07	AND	##07	..9625	9D	D1	3A	STA	\$3AD1,X	
..9597	AA	TAX			..9628	AD	69	39	LDA	\$3969	
..9598	AD	A6	CF	LDA	\$CFA6	..962B	C9	01	CMR	##01	
..959B	8D	8D	95	STA	\$958D	..962D	D0	24	BNE	\$9653	
..959E	BD	B8	CF	LDA	\$CFB8,X	..962F	A9	44	LDA	##44	
..95A1	8D	69	39	STA	\$3969	..9631	9D	63	3A	STA	\$3A63,X
..95A4	EE	94	95	INC	\$9594	..9634	A9	40	LDA	##40	
..95A7	A2	03	LDX	##03	..9636	9D	E9	3A	STA	\$3AE9,X	
..95A9	BD	D1	3A	LDA	\$3AD1,X	..9639	A9	44	LDA	##44	
..95AC	F0	08	BEQ	\$95B6	..963B	9D	F1	3A	STA	\$3AF1,X	
..95AE	E8	INX			..963E	9D	F9	3A	STA	\$3AF9,X	
..95AF	EO	08	CPX	##08	..9641	A9	4B	LDA	##4B		
..95B1	D0	F6	BNE	\$95A9	..9643	9D	01	3B	STA	\$3B01,X	
..95B3	4C	61	97	JMP	\$9761						

.,9646	A9	05	LDA	##05					.,96DF	A9	60	LDA	##60				
.,9648	9D	6B	3A	STA	\$3A6B,X				.,96E1	9D	63	3A	STA	\$3A63,X			
.,964B	A9	01	LDA	##01					.,96E4	EE	E8	96	INC	\$96E8			
.,964D	9D	B3	3A	STA	\$3AB3,X				.,96E7	A9	00	LDA	##00				
.,9650	4C	61	97	JMP	\$9761				.,96E9	29	03	AND	##03				
.,9653	C9	02	CMF	##02					.,96EB	AB		TAY					
.,9655	D0	24	BNE	\$967B					.,96EC	A9	0C	LDA	##0C				
.,9657	A9	4C	LDA	##4C					.,96EE	9D	6B	3A	STA	\$3A6B,X			
.,9659	9D	63	3A	STA	\$3A63,X				.,96F1	A9	01	LDA	##01				
.,965C	A9	4B	LDA	##4B					.,96F3	9D	B3	3A	STA	\$3AB3,X			
.,965E	9D	E9	3A	STA	\$3AE9,X				.,96F6	A9	00	LDA	##00				
.,9661	A9	4C	LDA	##4C					.,96FB	9D	E1	3A	STA	\$3AE1,X			
.,9663	9D	F1	3A	STA	\$3AF1,X				.,96FB	4C	61	97	JMP	\$9761			
.,9666	9D	F9	3A	STA	\$3AF9,X				.,96FE	AD	53	39	LDA	\$3953			
.,9669	A9	50	LDA	##50					.,9701	4A		LSR					
.,966B	9D	01	3B	STA	\$3B01,X				.,9702	1B		CLC					
.,966E	A9	0A	LDA	##0A					.,9703	69	14	ADC	##14				
.,9670	9D	6B	3A	STA	\$3A6B,X				.,9705	9D	7B	3A	STA	\$3A7B,X			
.,9673	A9	01	LDA	##01					.,9708	20	CE	BB	JSR	\$88CE			
.,9675	9D	B3	3A	STA	\$3AB3,X				.,970B	A0	C9	LDY	##C9				
.,9678	4C	61	97	JMP	\$9761				.,970D	B1	FC	LDA	(#FC),Y				
.,967B	C9	03	CMF	##03					.,970F	C9	7B	CMF	##7B				
.,967D	D0	24	BNE	\$96A3					.,9711	90	0B	BCC	\$971B				
.,967F	A9	54	LDA	##54					.,9713	A0	65	LDY	##65				
.,9681	9D	63	3A	STA	\$3A63,X				.,9715	B1	FC	LDA	(#FC),Y				
.,9684	A9	50	LDA	##50					.,9717	C9	7B	CMF	##7B				
.,9686	9D	E9	3A	STA	\$3AE9,X				.,9719	90	0B	BCC	\$9726				
.,9689	A9	54	LDA	##54					.,971B	A9	00	LDA	##00				
.,968B	9D	F1	3A	STA	\$3AF1,X				.,971D	9D	7B	3A	STA	\$3A7B,X			
.,968E	9D	F9	3A	STA	\$3AF9,X				.,9720	9D	B3	3A	STA	\$3AB3,X			
.,9691	A9	5B	LDA	##5B					.,9723	4C	61	97	JMP	\$9761			
.,9693	9D	01	3B	STA	\$3B01,X				.,9726	A9	00	LDA	##00				
.,9696	A9	0C	LDA	##0C					.,9728	9D	D9	3A	STA	\$3AD9,X			
.,9698	9D	6B	3A	STA	\$3A6B,X				.,972B	A9	01	LDA	##01				
.,969B	A9	03	LDA	##03					.,972D	9D	D1	3A	STA	\$3AD1,X			
.,969D	9D	B3	3A	STA	\$3AB3,X				.,9730	AD	69	39	LDA	\$3969			
.,96A0	4C	61	97	JMP	\$9761				.,9733	C9	01	CMF	##01				
.,96A3	C9	04	CMF	##04					.,9735	D0	0B	BNE	\$973F				
.,96A5	D0	2E	BNE	\$96D5					.,9737	A9	40	LDA	##40				
.,96A7	A9	03	LDA	##03					.,9739	9D	63	3A	STA	\$3A63,X			
.,96A9	9D	D1	3A	STA	\$3AD1,X				.,973C	4C	34	96	JMP	\$9634			
.,96AC	A9	00	LDA	##00					.,973F	C9	02	CMF	##02				
.,96AE	9D	E9	3A	STA	\$3AE9,X				.,9741	D0	0B	BNE	\$974B				
.,96B1	A9	60	LDA	##60					.,9743	A9	4B	LDA	##4B				
.,96B3	9D	63	3A	STA	\$3A63,X				.,9745	9D	63	3A	STA	\$3A63,X			
.,96B6	EE	BA	96	INC	\$96BA				.,9748	4C	5C	96	JMP	\$965C			
.,96B9	A9	00	LDA	##00					.,974B	C9	03	CMF	##03				
.,96BB	29	03	AND	##03					.,974D	D0	0B	BNE	\$9757				
.,96BD	AB		TAY						.,974F	A9	50	LDA	##50				
.,96BE	B9	D1	96	LDA	\$96D1,Y				.,9751	9D	63	3A	STA	\$3A63,X			
.,96C1	9D	6B	3A	STA	\$3A6B,X				.,9754	4C	84	96	JMP	\$9684			
.,96C4	A9	01	LDA	##01					.,9757	C9	04	CMF	##04				
.,96C6	9D	B3	3A	STA	\$3AB3,X				.,9759	D0	03	BNE	\$975E				
.,96C9	A9	00	LDA	##00					.,975B	4C	A7	96	JMP	\$96A7			
.,96CB	9D	E1	3A	STA	\$3AE1,X				.,975E	4C	D5	96	JMP	\$96D5			
.,96CE	4C	61	97	JMP	\$9761				.,9761	A9	00	LDA	##00				
.,96D1	04		???						.,9763	8D	6A	39	STA	\$396A			
.,96D2	0E	04	0B	ASL	\$0B04				.,9766	8D	6B	39	STA	\$396B			
.,96D5	A9	03	LDA	##03					.,9769	AD	4A	39	LDA	\$394A			
.,96D7	9D	D1	3A	STA	\$3AD1,X				.,976C	29	07	AND	##07				
.,96DA	A9	04	LDA	##04					.,976E	AA		TAX					
.,96DC	9D	E9	3A	STA	\$3AE9,X												

976F	E0	03	CPX	##03	97FD	A0	64	LDY	##64		
9771	90	2C	BCC	\$979F	97FF	B1	FC	LDA	(#FC),Y		
9773	BD	7B	3A	LDA	\$3A7B,X	9801	C9	34	CMP	##34	
9776	18			CLC		9803	D0	0E	BNE	\$9813	
9777	69	05		ADC	##05	9805	CB		INY		
9779	38			SEC		9806	B1	FC	LDA	(#FC),Y	
977A	ED	51	39	SBC	\$3951	9808	C9	34	CMP	##34	
977D	C9	1E		CMP	##1E	980A	D0	07	BNE	\$9813	
977F	90	10		BCC	\$9791	980C	CB		INY		
9781	A9	00		LDA	##00	980D	B1	FC	LDA	(#FC),Y	
9783	9D	7B	3A	STA	\$3A7B,X	980F	C9	34	CMP	##34	
9786	9D	B3	3A	STA	\$3A83,X	9811	F0	0A	BEQ	\$981D	
9789	9D	D1	3A	STA	\$3AD1,X	9813	A9	00	LDA	##00	
978C	9D	A3	3A	STA	\$3AA3,X	9815	9D	7B	3A	STA	\$3A7B,X
978F	F0	0E		BEQ	\$979F	9818	9D	B3	3A	STA	\$3A83,X
9791	BD	B3	3A	LDA	\$3A83,X	981B	F0	20	BEQ	\$983D	
9794	18			CLC		981D	A9	58	LDA	##58	
9795	69	05		ADC	##05	981F	9D	63	3A	STA	\$3A63,X
9797	38			SEC		9822	A9	0C	LDA	##0C	
9798	ED	50	39	SBC	\$3950	9824	9D	6B	3A	STA	\$3A6B,X
979B	C9	11		CMP	##11	9827	AD	B2	CF	LDA	\$CFB2
979D	B0	E2		BCC	\$97B1	982A	9D	5A	39	STA	\$395A,X
979F	A9	00		LDA	##00	982D	A9	02		LDA	##02
97A1	F0	05		BEQ	\$97A8	982F	9D	D1	3A	STA	\$3AD1,X
97A3	CE	A0	97	DEC	\$97A0	9832	A9	01		LDA	##01
97A6	D0	0F		BNE	\$97B7	9834	9D	B3	3A	STA	\$3AB3,X
97A8	A9	3D		LDA	##3D	9837	AD	B4	CF	LDA	\$CFB4
97AA	EE	A9	97	INC	\$97A9	983A	BD	A0	97	STA	\$97A0
97AD	2D	B1	CF	AND	\$CFB1	983D	A2	03		LDX	##03
97B0	D0	05		BNE	\$97B7	983F	BD	A3	3A	LDA	\$3AA3,X
97B2	AD	B0	CF	LDA	\$CFB0	9842	D0	0D		BNE	\$9851
97B5	D0	03		BNE	\$97BA	9844	20	CE	88	JSR	\$88CE
97B7	4C	3D	98	JMP	\$983D	9847	BD	D1	3A	LDA	\$3AD1,X
97BA	A2	03		LDX	##03	984A	C9	01		CMP	##01
97BC	BD	D1	3A	LDA	\$3AD1,X	984C	F0	06		BEQ	\$9854
97BF	F0	08		BEQ	\$97C9	984E	4C	1C	99	JMP	\$991C
97C1	E8			INX		9851	4C	E3	9A	JMP	\$9AE3
97C2	E0	08		CPX	##08	9854	BD	5A	39	LDA	\$395A,X
97C4	D0	F6		BNE	\$97BC	9857	F0	30		BEQ	\$9889
97C6	4C	3D	98	JMP	\$983D	9859	C9	0A		CMP	##0A
97C9	A9	00		LDA	##00	985B	90	15		BCC	\$9872
97CB	9D	93	3A	STA	\$3A93,X	985D	BD	93	3A	LDA	\$3A93,X
97CE	A9	0A		LDA	##0A	9860	D0	10		BNE	\$9872
97D0	9D	8B	3A	STA	\$3ABB,X	9862	A0	C9		LDY	##C9
97D3	AD	52	39	LDA	\$3952	9864	B1	FC		LDA	(#FC),Y
97D6	4A			LSR		9866	C9	78		CMP	##78
97D7	8D	E3	97	STA	\$97E3	9868	90	08		BCC	\$9872
97DA	AD	04	DC	LDA	\$DC04	986A	A9	00		LDA	##00
97DD	29	07		AND	##07	986C	9D	5A	39	STA	\$395A,X
97DF	18			CLC		986F	4C	E3	9A	JMP	\$9AE3
97E0	69	04		ADC	##04	9872	BC	5A	39	LDY	\$395A,X
97E2	69	00		ADC	##00	9875	B9	28	3A	LDA	\$3A28,Y
97E4	9D	83	3A	STA	\$3A83,X	9878	C9	05		CMP	##05
97E7	AD	53	39	LDA	\$3953	987A	D0	04		BNE	\$9880
97EA	4A			LSR		987C	A9	04		LDA	##04
97EB	8D	F4	97	STA	\$97F4	987E	D0	03		BNE	\$9883
97EE	AD	4A	39	LDA	\$394A	9880	FE	5A	39	INC	\$395A,X
97F1	29	07		AND	##07	9883	20	A9	33	JSR	\$33A9
97F3	69	00		ADC	##00	9886	4C	E3	9A	JMP	\$9AE3
97F5	69	06		ADC	##06	9889	BD	8B	3A	LDA	\$3ABB,X
97F7	9D	7B	3A	STA	\$3A7B,X	988C	C9	0C		CMP	##0C
97FA	20	CE	88	JSR	\$88CE						

.,988E	D0	10	BNE	,\$98A0	.,992B	B0	10	BCS	,\$993A		
.,9890	A0	C9	LDY	,\$#C9	.,992A	20	97	33	JSR	,\$3397	
.,9892	B1	FC	LDA	,\$(FC),Y	.,992D	BD	63	3A	LDA	,\$3A63,X	
.,9894	C9	78	CMP	,\$#78	.,9930	C9	5C		CMP	,\$#5C	
.,9896	B0	08	BCS	,\$98A0	.,9932	F0	23		BEQ	,\$9957	
.,9898	A9	01	LDA	,\$#01	.,9934	FE	63	3A	INC	,\$3A63,X	
.,989A	9D	5A	39	STA	,\$395A,X	.,9937	4C	57	99	JMP	,\$9957
.,989D	4C	E3	9A	JMP	,\$9AE3	.,993A	20	A9	33	JSR	,\$33A9
.,98A0	BD	D9	3A	LDA	,\$3AD9,X	.,993D	CC	B3	CF	CPY	,\$CFB3
.,98A3	D0	3F		BNE	,\$98E4	.,9940	90	15		BCC	,\$9957
.,98A5	A9	FF		LDA	,\$#FF	.,9942	DE	63	3A	DEC	,\$3A63,X
.,98A7	20	C0	33	JSR	,\$33C0	.,9945	BD	63	3A	LDA	,\$3A63,X
.,98AA	AD	4A	39	LDA	,\$394A	.,9948	C9	57		CMP	,\$#57
.,98AD	29	03		AND	,\$#03	.,994A	D0	0B		BNE	,\$9957
.,98AF	D0	11		BNE	,\$98C2	.,994C	A9	00		LDA	,\$#00
.,98B1	FE	63	3A	INC	,\$3A63,X	.,994E	9D	D1	3A	STA	,\$3AD1,X
.,98B4	BD	63	3A	LDA	,\$3A63,X	.,9951	9D	83	3A	STA	,\$3A83,X
.,98B7	DD	F1	3A	CMP	,\$3AF1,X	.,9954	9D	7B	3A	STA	,\$3A7B,X
.,98BA	D0	06		BNE	,\$98C2	.,9957	FE	5A	39	INC	,\$395A,X
.,98BC	BD	E9	3A	LDA	,\$3AE9,X	.,995A	BD	5A	39	LDA	,\$395A,X
.,98BF	9D	63	3A	STA	,\$3A63,X	.,995D	C9	32		CMP	,\$#32
.,98C2	A0	65		LDY	,\$#65	.,995F	90	10		BCC	,\$9971
.,98C4	B1	FC		LDA	,\$(FC),Y	.,9961	C9	4A		CMP	,\$#4A
.,98C6	C9	78		CMP	,\$#78	.,9963	B0	0C		BCS	,\$9971
.,98C8	90	06		BCC	,\$98D0	.,9965	38			SEC	
.,98CA	FE	A3	3A	INC	,\$3AA3,X	.,9966	E9	32		SBC	,\$#32
.,98CD	4C	E3	9A	JMP	,\$9AE3	.,9968	4A			LSR	
.,98D0	A0	64		LDY	,\$#64	.,9969	4A			LSR	
.,98D2	B1	FC		LDA	,\$(FC),Y	.,996A	AB			TAY	
.,98D4	C9	78		CMP	,\$#78	.,996B	B9	74	99	LDA	,\$9974,Y
.,98D6	90	09		BCC	,\$98E1	.,996E	9D	63	3A	STA	,\$3A63,X
.,98D8	BD	F9	3A	LDA	,\$3AF9,X	.,9971	4C	E3	9A	JMP	,\$9AE3
.,98DB	9D	63	3A	STA	,\$3A63,X	.,9974	5D	5E	5F	EOR	,\$5F5E,X
.,98DE	FE	D9	3A	INC	,\$3AD9,X	.,9977	5F			???	
.,98E1	4C	E3	9A	JMP	,\$9AE3	.,9978	5E	5E	5D	LSR	,\$5D5E,X
.,98E4	A9	01		LDA	,\$#01	.,997B	5D	C9	03	EOR	,\$03C9,X
.,98E6	20	D2	33	JSR	,\$33D2	.,997E	F0	03		BEQ	,\$9983
.,98E9	AD	4A	39	LDA	,\$394A	.,9980	4C	49	9A	JMP	,\$9A49
.,98EC	29	03		AND	,\$#03	.,9983	BD	E1	3A	LDA	,\$3AE1,X
.,98EE	D0	11		BNE	,\$9901	.,9986	10	1F		BFL	,\$99A7
.,98F0	FE	63	3A	INC	,\$3A63,X	.,9988	29	7F		AND	,\$#7F
.,98F3	BD	63	3A	LDA	,\$3A63,X	.,998A	AB			TAY	
.,98F6	DD	01	3B	CMP	,\$3B01,X	.,998B	B9	09	3B	LDA	,\$3B09,Y
.,98F9	D0	06		BNE	,\$9901	.,998E	18			CLC	
.,98FB	BD	F9	3A	LDA	,\$3AF9,X	.,998F	7D	E9	3A	ADC	,\$3AE9,X
.,98FE	9D	63	3A	STA	,\$3A63,X	.,9992	9D	63	3A	STA	,\$3A63,X
.,9901	BD	8B	3A	LDA	,\$3A8B,X	.,9995	FE	E1	3A	INC	,\$3AE1,X
.,9904	C9	0A		CMP	,\$#0A	.,9998	BD	E1	3A	LDA	,\$3AE1,X
.,9906	90	11		BCC	,\$9919	.,999B	C9	84		CMP	,\$#84
.,9908	A0	66		LDY	,\$#66	.,999D	D0	05		BNE	,\$99A4
.,990A	B1	FC		LDA	,\$(FC),Y	.,999F	A9	00		LDA	,\$#00
.,990C	C9	78		CMP	,\$#78	.,99A1	9D	E1	3A	STA	,\$3AE1,X
.,990E	90	09		BCC	,\$9919	.,99A4	4C	46	9A	JMP	,\$9A46
.,9910	BD	E9	3A	LDA	,\$3AE9,X	.,99A7	AB			TAY	
.,9913	9D	63	3A	STA	,\$3A63,X	.,99AB	C0	00		CPY	,\$#00
.,9916	DE	D9	3A	DEC	,\$3AD9,X	.,99AA	D0	4D		BNE	,\$99F9
.,9919	4C	E3	9A	JMP	,\$9AE3	.,99AC	A5	FC		LDA	,\$FC
.,991C	C9	02		CMP	,\$#02	.,99AE	38			SEC	
.,991E	D0	5C		BNE	,\$997C	.,99AF	E9	64		SBC	,\$#64
.,9920	BC	5A	39	LDY	,\$395A,X	.,99B1	B5	FE		STA	,\$FE
.,9923	B9	AA	39	LDA	,\$39AA,Y	.,99B3	A5	FD		LDA	,\$FD
.,9926	C0	32		CPY	,\$#32						

99B5	E9	00	SBC	##00	9A41	A9	0C	LDA	##0C		
99B7	B5	FF	STA	##FF	9A43	9D	BB	3A	STA	##3ABB,X	
99B9	BD	93	3A	LDA	##3A93,X	9A46	4C	E3	9A	JMP	##9AE3
99BC	D0	33	BNE	##99F1	9A49	C9	04	CMF	##04		
99BE	BD	D9	3A	LDA	##3AD9,X	9A4B	F0	03	BEQ	##9A50	
99C1	D0	17	BNE	##99DA	9A4D	4C	DE	9A	JMP	##9ADE	
99C3	A0	64	LDY	##64	9A50	BD	D9	3A	LDA	##3AD9,X	
99C5	B1	FC	LDA	(##FC),Y	9A53	D0	14	BNE	##9A69		
99C7	C9	78	CMF	##78	9A55	A9	FE	LDA	##FE		
99C9	90	2E	BCC	##99F9	9A57	20	C0	33	JSR	##33C0	
99CB	A0	01	LDY	##01	9A5A	A0	64	LDY	##64		
99CD	B1	FE	LDA	(##FE),Y	9A5C	B1	FC	LDA	(##FC),Y		
99CF	C9	78	CMF	##78	9A5E	C9	78	CMF	##78		
99D1	90	1E	BCC	##99F1	9A60	90	20	BCC	##9A82		
99D3	A9	01	LDA	##01	9A62	A9	01	LDA	##01		
99D5	9D	D9	3A	STA	##3AD9,X	9A64	9D	D9	3A	STA	##3AD9,X
99DB	D0	1F	BNE	##99F9	9A67	D0	19	BNE	##9A82		
99DA	A0	66	LDY	##66	9A69	A9	02	LDA	##02		
99DC	B1	FC	LDA	(##FC),Y	9A6B	20	D2	33	JSR	##33D2	
99DE	C9	78	CMF	##78	9A6E	BD	8B	3A	LDA	##3A8B,X	
99E0	90	17	BCC	##99F9	9A71	C9	0D	CMF	##0D		
99E2	A0	01	LDY	##01	9A73	90	0D	BCC	##9A82		
99E4	B1	FE	LDA	(##FE),Y	9A75	A0	66	LDY	##66		
99E6	C9	78	CMF	##78	9A77	B1	FC	LDA	(##FC),Y		
99E8	90	07	BCC	##99F1	9A79	C9	78	CMF	##78		
99EA	A9	00	LDA	##00	9A7B	90	05	BCC	##9A82		
99EC	9D	D9	3A	STA	##3AD9,X	9A7D	A9	00	LDA	##00	
99EF	F0	08	BEQ	##99F9	9A7F	9D	D9	3A	STA	##3AD9,X	
99F1	A9	FC	LDA	##FC	9A82	AD	4A	39	LDA	##394A	
99F3	20	97	33	JSR	##3397	9A85	29	01	AND	##01	
99F6	4C	46	9A	JMP	##9A46	9A87	D0	0F	BNE	##9A98	
99F9	BC	E1	3A	LDY	##3AE1,X	9A89	FE	63	3A	INC	##3A63,X
99FC	C0	10	CPY	##10	9A8C	BD	63	3A	LDA	##3A63,X	
99FE	B0	1D	BCS	##9A1D	9A8F	C9	74	CMF	##74		
9A00	BD	D9	3A	LDA	##3AD9,X	9A91	D0	05	BNE	##9A98	
9A03	D0	08	BNE	##9A0D	9A93	A9	70	LDA	##70		
9A05	A9	FF	LDA	##FF	9A95	9D	63	3A	STA	##3A63,X	
9A07	20	C0	33	JSR	##33C0	9A98	BD	5A	39	LDA	##395A,X
9A0A	4C	12	9A	JMP	##9A12	9A9B	D0	14	BNE	##9AB1	
9A0D	A9	01	LDA	##01	9A9D	BD	8B	3A	LDA	##3ABB,X	
9A0F	20	D2	33	JSR	##33D2	9AA0	C9	08	CMF	##08	
9A12	B9	0D	3B	LDA	##3B0D,Y	9AA2	D0	37	BNE	##9ADB	
9A15	20	95	33	JSR	##3395	9AA4	A0	C9	LDY	##C9	
9A18	FE	E1	3A	INC	##3AE1,X	9AA6	B1	FC	LDA	(##FC),Y	
9A1B	D0	05	BNE	##9A22	9AA8	C9	78	CMF	##78		
9A1D	A9	04	LDA	##04	9AAA	B0	2F	BCS	##9ADE		
9A1F	20	A9	33	JSR	##33A9	9AAC	A9	3C	LDA	##3C	
9A22	BD	93	3A	LDA	##3A93,X	9AAE	9D	5A	39	STA	##395A,X
9A25	D0	1F	BNE	##9A46	9AB1	AB	TAY				
9A27	A5	FC	LDA	##FC	9AB2	B9	AA	39	LDA	##39AA,Y	
9A29	18	CLC									
9A2A	69	CB	ADC	##68	9AB5	FE	5A	39	INC	##395A,X	
9A2C	B5	FC	STA	##FC	9ABB	C9	05	CMF	##05		
9A2E	A5	FD	LDA	##FD	9ABA	D0	05	BNE	##9AC1		
9A30	69	00	ADC	##00	9ABC	A9	04	LDA	##04		
9A32	B5	FD	STA	##FD	9ABE	DE	5A	39	DEC	##395A,X	
9A34	A0	65	LDY	##65	9AC1	20	A9	33	JSR	##33A9	
9A36	B1	FC	LDA	(##FC),Y	9AC4	BD	93	3A	LDA	##3A93,X	
9A38	C9	78	CMF	##78	9AC7	C9	04	CMF	##04		
9A3A	90	0A	BCC	##9A46	9AC9	90	10	BCC	##9ADB		
9A3C	A9	80	LDA	##80	9ACB	A0	C9	LDY	##C9		
9A3E	9D	E1	3A	STA	##3AE1,X	9ACD	B1	FC	LDA	(##FC),Y	

..,9ACF C9 78	CMP	#F7B	..,9B64 A9 00	LDA	#F00
..,9AD1 90 08	BCC	\$9ADB	..,9B66 99 5A 39	STA	\$395A,Y
..,9AD3 A9 00	LDA	#F00	..,9B69 EE BF 02	INC	\$02BF
..,9AD5 9D 5A 39	STA	\$395A,X	..,9B6C 20 43 82	JSR	\$8243
..,9ADB 9D 93 3A	STA	\$3A93,X	..,9B6F EE BF 02	INC	\$02BF
..,9ADB 4C E3 9A	JMP	\$9AE3	..,9B72 A9 00	LDA	#F00
..,9ADE C9 05	CMP	#F05	..,9B74 8D F3 80	STA	\$80F3
..,9AE0 4C E3 9A	JMP	\$9AE3	..,9B77 8D 53 3A	STA	\$3A53
..,9AE3 EB	INX		..,9B7A AD 53 39	LDA	\$3953
..,9AE4 E0 08	CPX	#F08	..,9B7D 29 01	AND	#F01
..,9AE6 F0 03	BEQ	\$9AEB	..,9B7F 0A	ASL	
..,9AEB 4C 3F 98	JMP	\$9B3F	..,9B80 0A	ASL	
..,9AEB EE FB 9A	INC	\$9AFB	..,9B81 0A	ASL	
..,9AEE AD FB 9A	LDA	\$9AFB	..,9B82 18	CLC	
..,9AF1 C9 08	CMP	#F08	..,9B83 6D 4C 39	ADC	\$394C
..,9AF3 D0 05	BNE	\$9AFA	..,9B86 8D 56 39	STA	\$3956
..,9AF5 A9 03	LDA	#F03	..,9B89 AD 52 39	LDA	\$3952
..,9AF7 8D FB 9A	STA	\$9AFB	..,9B8C 29 01	AND	#F01
..,9AFA A2 07	LDX	#F07	..,9B8E 0A	ASL	
..,9AFC BD 6B 3A	LDA	\$3A6B,X	..,9B8F 0A	ASL	
..,9AFF C9 0C	CMP	#F0C	..,9B90 0A	ASL	
..,9B01 D0 66	BNE	\$9B69	..,9B91 18	CLC	
..,9B03 BD A3 3A	LDA	\$3AA3,X	..,9B92 6D E1 80	ADC	\$80E1
..,9B06 D0 61	BNE	\$9B69	..,9B95 18	CLC	
..,9B08 AD 3F 39	LDA	\$393F	..,9B96 69 56	ADC	#F56
..,9B0B D0 5C	BNE	\$9B69	..,9B98 8D 57 39	STA	\$3957
..,9B0D BD 5A 39	LDA	\$395A,X	..,9B9B AD 53 39	LDA	\$3953
..,9B10 D0 57	BNE	\$9B69	..,9B9E 18	CLC	
..,9B12 BD D1 3A	LDA	\$3AD1,X	..,9B9F 69 01	ADC	#F01
..,9B15 C9 01	CMP	#F01	..,9BA1 4A	LSR	
..,9B17 D0 50	BNE	\$9B69	..,9BA2 8D 54 39	STA	\$3954
..,9B19 CE 1D 98	DEC	\$9B1D	..,9BA5 AD 52 39	LDA	\$3952
..,9B1C A9 00	LDA	#F00	..,9BA8 18	CLC	
..,9B1E 2D B5 CF	AND	\$0FB5	..,9BA9 69 01	ADC	#F01
..,9B21 D0 46	BNE	\$9B69	..,9BAB 4A	LSR	
..,9B23 8A	TXA		..,9BAC 8D 55 39	STA	\$3955
..,9B24 AB	TAY		..,9BAF AD 7B 3A	LDA	\$3A7B
..,9B25 B9 D1 3A	LDA	\$3AD1,Y	..,9BB2 18	CLC	
..,9B28 F0 07	BEQ	\$9B31	..,9BB3 69 01	ADC	#F01
..,9B2A C8	INY		..,9BB5 38	SEC	
..,9B2B C0 08	CPY	#F08	..,9BB6 ED 54 39	SBC	\$3954
..,9B2D D0 F6	BNE	\$9B25	..,9BB9 8D D4 98	STA	\$9BD4
..,9B2F F0 38	BEQ	\$9B69	..,9BBC C9 15	CMP	#F15
..,9B31 BD 7B 3A	LDA	\$3A7B,X	..,9BBE B0 1E	BCS	\$9BDE
..,9B34 99 7B 3A	STA	\$3A7B,Y	..,9BC0 0A	ASL	
..,9B37 BD 83 3A	LDA	\$3A83,X	..,9BC1 0A	ASL	
..,9B3A 99 83 3A	STA	\$3A83,Y	..,9BC2 0A	ASL	
..,9B3D BD 8B 3A	LDA	\$3A8B,X	..,9BC3 0A	ASL	
..,9B40 29 FE	AND	#FFE	..,9BC4 18	CLC	
..,9B42 99 8B 3A	STA	\$3A8B,Y	..,9BC5 6D 8B 3A	ADC	\$3A8B
..,9B45 A9 00	LDA	#F00	..,9BC8 18	CLC	
..,9B47 99 93 3A	STA	\$3A93,Y	..,9BC9 6D 56 39	ADC	\$3956
..,9B4A A9 0C	LDA	#F0C	..,9BCC 8D 53 3A	STA	\$3A53
..,9B4C 99 6B 3A	STA	\$3A6B,Y	..,9BCF C9 5A	CMP	#F5A
..,9B4F A9 70	LDA	#F70	..,9BD1 B0 0B	BCS	\$9BDE
..,9B51 99 63 3A	STA	\$3A63,Y	..,9BD3 A9 08	LDA	#F08
..,9B54 A9 FF	LDA	#FFF	..,9BD5 C9 0A	CMP	#F0A
..,9B56 99 B3 3A	STA	\$3AB3,Y	..,9BD7 90 05	BCC	\$9BDE
..,9B59 A9 04	LDA	#F04	..,9BD9 A9 03	LDA	#F03
..,9B5B 99 D1 3A	STA	\$3AD1,Y	..,9BDB 8D F3 80	STA	\$80F3
..,9B5E BD D9 3A	LDA	\$3AD9,X	..,9BDE AD 83 3A	LDA	\$3A83
..,9B61 99 D9 3A	STA	\$3AD9,Y			

..9BE1 38	SEC			..9C5F 9D 5B 3A STA #3A5B,X
..9BE2 ED 55 39 SBC #3955				..9C62 E8 INX
..9BE5 C9 0D CMP #40D				..9C63 E0 08 CPX #408
..9BE7 B0 0E BCS #9BF7				..9C65 D0 99 BNE #9C00
..9BE9 0A ASL				..9C67 A2 07 LDX #407
..9BEA 0A ASL				..9C69 BD 53 3A LDA #3A53,X
..9BEB 0A ASL				..9C6C 4A LSR
..9BEC 0A ASL				..9C6D 9D 9B 3A STA #3A9B,X
..9BED 18 CLC				..9C70 AD F3 80 LDA #80F3
..9BEE 6D 93 3A ADC #3A93				..9C73 3D 7A 39 AND #397A,X
..9BF1 6D 57 39 ADC #3957				..9C76 F0 08 BEQ #9C80
..9BF4 8D 5B 3A STA #3A5B				..9C78 BD 9B 3A LDA #3A9B,X
..9BF7 A2 02 LDX #402				..9C7B 09 80 ORA #480
..9BF9 AD 3F 39 LDA #393F				..9C7D 9D 9B 3A STA #3A9B,X
..9BFC F0 02 BEQ #9C00				..9C80 CA DEX
..9BFE A2 05 LDX #405				..9C81 10 E6 BFL #9C69
..9C00 A9 FF LDA #4EF				..9C83 AD 3F 39 LDA #393F
..9C02 9D 5B 3A STA #3A5B,X				..9C86 F0 03 BEQ #9C8B
..9C05 A9 00 LDA #400				..9C88 4C E5 9D JMP #9DE5
..9C07 9D 53 3A STA #3A53,X				..9C8B AD 5D 3A LDA #3A5D
..9C0A BD D1 3A LDA #3AD1,X				..9C8E 3B SEC
..9C0D D0 03 BNE #9C12				..9C8F E9 0C SBC #40C
..9C0F 4C 62 9C JMP #9C62				..9C91 8D C2 9C STA #9CC2
..9C12 BD 7B 3A LDA #3A7B,X				..9C94 69 1B ADC #41B
..9C15 18 CLC				..9C96 90 02 BCC #9C9A
..9C16 69 01 ADC #401				..9C98 A9 FF LDA #4FF
..9C18 3B SEC				..9C9A 8D C6 9C STA #9CC6
..9C19 ED 54 39 SBC #3954				..9C9D AD 9D 3A LDA #3A9D
..9C1C 8D 37 9C STA #9C37				..9CA0 3B SEC
..9C1F C9 15 CMP #415				..9CA1 E9 07 SBC #407
..9C21 B0 22 BCS #9C45				..9CA3 B0 02 BCS #9CA7
..9C23 0A ASL				..9CA5 A9 00 LDA #400
..9C24 0A ASL				..9CA7 BD CD 9C STA #9CCD
..9C25 0A ASL				..9CAA 69 0C ADC #40C
..9C26 0A ASL				..9CAC 8D D1 9C STA #9CD1
..9C27 18 CLC				..9CAF A2 03 LDX #403
..9C28 7D 8B 3A ADC #3A8B,X				..9CB1 BD A3 3A LDA #3AA3,X
..9C2B 18 CLC				..9CB4 D0 6A BNE #9D20
..9C2C 6D 56 39 ADC #3956				..9CB6 BD D1 3A LDA #3AD1,X
..9C2F 9D 53 3A STA #3A53,X				..9CB9 D0 03 BNE #9CBE
..9C32 C9 6E CMP #46E				..9CBB 4C 5D 9D JMP #9D5D
..9C34 B0 0F BCS #9C45				..9CBE BD 5B 3A LDA #3A5B,X
..9C36 A9 E5 LDA #4E5				..9CC1 C9 F3 CMP #4F3
..9C38 C9 0C CMP #40C				..9CC3 90 5B BCC #9D20
..9C3A 90 09 BCC #9C45				..9CC5 C9 FF CMP #4FF
..9C3C AD F3 80 LDA #80F3				..9CC7 B0 57 BCS #9D20
..9C3F 1D 7A 39 ORA #397A,X				..9CC9 BD 9B 3A LDA #3A9B,X
..9C42 8D F3 80 STA #80F3				..9CCC C9 00 CMP #400
..9C45 BD 83 3A LDA #3A83,X				..9CCE 90 50 BCC #9D20
..9C48 3B SEC				..9CD0 C9 0C CMP #40C
..9C49 ED 55 39 SBC #3955				..9CD2 B0 4C BCS #9D20
..9C4C C9 0D CMP #40D				..9CD4 AD 81 94 LDA #9481
..9C4E B0 12 BCS #9C62				..9CD7 F0 E2 BEQ #9CBB
..9C50 0A ASL				..9CD9 A9 C8 LDA #4C8
..9C51 0A ASL				..9CDB 8D 85 3A STA #3A85
..9C52 0A ASL				..9CDE A9 00 LDA #400
..9C53 0A ASL				..9CE0 8D 81 94 STA #9481
..9C54 18 CLC				..9CE3 BD D1 3A LDA #3AD1,X
..9C55 7D 93 3A ADC #3A93,X				..9CE6 C9 04 CMP #404
..9C58 6D 57 39 ADC #3957				..9CE8 F0 36 BEQ #9D20
..9C5B C9 60 CMP #460				..9CEA BD 8B 3A LDA #3A8B,X
..9C5D 90 03 BCC #9C62				

```

.,9CED D0 06      BNE $9CF5
.,9CEF BD 6B 3A LDA $3A6B,X
.,9CF2 9D C3 3A STA $3AC3,X
.,9CF5 A9 04      LDA #$04
.,9CF7 9D BB 3A STA $3ABB,X
.,9CFA BD B3 3A LDA $3AB3,X
.,9CFD 3B        SEC
.,9CFE ED 45 39 SBC $3945
.,9D01 9D B3 3A STA $3AB3,X
.,9D04 B0 1A      BCS $9D20
.,9D06 A9 01      LDA #$01
.,9D08 9D A3 3A STA $3AA3,X
.,9D0E A9 FF      LDA #$FF
.,9D0D AC 96 94 LDY $9496
.,9D10 F0 02      BEQ $9D14
.,9D12 A9 01      LDA #$01
.,9D14 9D AB 3A STA $3AAB,X
.,9D17 AD 3C 3A LDA $3A3C
.,9D1A 1B        CLE
.,9D1B 69 0F      ADC #$0F
.,9D1D 8D 3C 3A STA $3A3C
.,9D20 BC BB 3A LDY $3ABB,X
.,9D23 F0 13      BEQ $9D38
.,9D25 DE BB 3A DEC $3ABB,X
.,9D28 F0 08      BEQ $9D32
.,9D2A B9 CB 3A LDA $3ACB,Y
.,9D2D 9D 6B 3A STA $3A6B,X
.,9D30 D0 06      BNE $9D38
.,9D32 BD C3 3A LDA $3AC3,X
.,9D35 9D 6B 3A STA $3A6B,X
.,9D38 BC A3 3A LDY $3AA3,X
.,9D3B F0 20      BEQ $9D5D
.,9D3D FE A3 3A INC $3AA3,X
.,9D40 BD AB 3A LDA $3AAB,X
.,9D43 20 BE 33 JSR $33BE
.,9D46 B9 CD 39 LDA $39CD,Y
.,9D49 30 0F      BMI $9D5A
.,9D4B C9 05      CMP #$05
.,9D4D D0 05      BNE $9D54
.,9D4F DE A3 3A DEC $3AA3,X
.,9D52 A9 04      LDA #$04
.,9D54 20 A9 33 JSR $33A9
.,9D57 4C 5D 9D JMP $9D5D
.,9D5A 20 97 33 JSR $3397
.,9D5D E8        INX
.,9D5E E0 08      CPX #$08
.,9D60 F0 03      BEQ $9D65
.,9D62 4C B1 9C JMP $9CB1
.,9D65 AD 5B 3A LDA $3A5B
.,9D68 C9 FA      CMP #$FA
.,9D6A 90 14      BCC $9D80
.,9D6C AD 65 39 LDA $3965
.,9D6F D0 0F      BNE $9D80
.,9D71 A9 03      LDA #$03
.,9D73 20 00 09 JSR $0900
.,9D76 A9 96      LDA #$96
.,9D78 8D 66 39 STA $3966
.,9D7B A9 02      LDA #$02
.,9D7D 8D 65 39 STA $3965
.,9D80 AD A3 3A LDA $3AA3
.,9D83 D0 60      BNE $9DE5
.,9D85 AD 5B 3A LDA $3A5B
.,9D88 3B        SEC
.,9D89 E9 0C      SBC #$0C
.,9D8B 8D B4 9D STA $9DB4
.,9D8E 69 18      ADC #$18
.,9D90 90 02      BCC $9D94
.,9D92 A9 FF      LDA #$FF
.,9D94 8D BB 9D STA $9DBB
.,9D97 AD 9B 3A LDA $3A9B
.,9D9A 3B        SEC
.,9D9B E9 07      SBC #$07
.,9D9D B0 02      BCS $9DA1
.,9D9F A9 00      LDA #$00
.,9DA1 8D BF 9D STA $9DBF
.,9DA4 69 0E      ADC #$0E
.,9DA6 8D C3 9D STA $9DC3
.,9DA9 A2 03      LDX #$03
.,9DAB BD A3 3A LDA $3AA3,X
.,9DAE D0 30      BNE $9DE0
.,9DB0 BD 5B 3A LDA $3A5B,X
.,9DB3 C9 9E      CMP #$9E
.,9DB5 90 29      BCC $9DE0
.,9DB7 C9 B7      CMP #$B7
.,9DB9 B0 25      BCS $9DE0
.,9DBB BD 9B 3A LDA $3A9B,X
.,9DBE C9 43      CMP #$43
.,9DC0 90 1E      BCC $9DE0
.,9DC2 C9 52      CMP #$52
.,9DC4 B0 1A      BCS $9DE0
.,9DC6 A9 22      LDA #$22
.,9DC8 8D 5A 39 STA $395A
.,9DCB EE A3 3A INC $3AA3
.,9DCE A9 00      LDA #$00
.,9DD0 8D 40 37 STA $3740
.,9DD3 A9 02      LDA #$02
.,9DD5 20 43 37 JSR $3743
.,9DD8 A9 08      LDA #$08
.,9DDA 8D 98 39 STA $3998
.,9DDD 4C E5 9D JMP $9DE5
.,9DE0 E8        INX
.,9DE1 E0 08      CPX #$08
.,9DE3 D0 C6      BNE $9DAB
.,9DE5 A9 00      LDA #$00
.,9DE7 8D BF 02 STA $02BF
.,9DEA AD 11 D0 LDA $D011
.,9DED 30 FB      BMI $9DEA
.,9DEF 20 8C 34 JSR $348C
.,9DF2 20 03 80 JSR $8003
.,9DF5 20 B1 35 JSR $35B1
.,9DF8 A9 00      LDA #$00
.,9DFA F0 1B      BEQ $9E17
.,9DFC AD 4A 39 LDA $394A
.,9DFF 29 03      AND #$03
.,9E01 D0 14      BNE $9E17
.,9E03 CE A3 0E DEC $0EA3
.,9E06 AD A3 0E LDA $0EA3
.,9E09 29 0F      AND #$0F
.,9E0B C9 0F      CMP #$0F
.,9E0D D0 08      BNE $9E17
.,9E0F EE 41 39 INC $3941
.,9E12 A9 00      LDA #$00
.,9E14 BD 3F 39 STA $393F

```



```
.,AB00 48          PHA
.,AB01 4C 73 00  JMP $0073
.,AB04 4C A5 A9  JMP $A9A5
.,AB07 C9 3A          CMP #$3A
.,AB09 F0 D6          BEQ $A7E1
.,AB0B 4C 08 AF  JMP $AF08
.,AB0E C9 4B          CMP #$4B
.,AB10 D0 F9          BNE $080B
.,AB12 20 73 00  JSR $0073
.,AB15 A9 A4          LDA #$A4
.,AB17 30 FF AE  JSR $AEFF
.,AB1A 4C A0 AB  JMP $ABA0
.,AB1D 38          SEC
.,AB1E A5 2B          LDA $2B
.,AB20 E9 01          SEC #$01
.,AB22 A4 2C          LDY $2C
.,AB24 B0 01          BCS $AB27
.,AB26 88          DEY
.,AB27 85 41          STA $41
.,AB29 84 42          STY $42
.,AB2B 60          RTS
.,AB2C 20 E1 FF  JSR $FFE1
.,AB2F B0 01          BCS $AB32
.,AB31 18          CLC
.,AB32 D0 3C          BNE $AB70
.,AB34 A5 7A          LDA $7A
.,AB36 A4 7B          LDY $7B
.,AB38 A6 3A          LDX $3A
.,AB3A E8          INX
.,AB3B F0 0C          BEQ $AB49
.,AB3D 85 3D          STA $3D
.,AB3F 84 3E          STY $3E
.,AB41 A5 39          LDA $39
.,AB43 A4 3A          LDY $3A
.,AB45 85 3B          STA $3B
.,AB47 84 3C          STY $3C
```

.,AB00	20	09	AB	JSR	,\$AB09				
.,AB03	20	E4	AB	JSR	,\$ABE4				
.,AB06	4C	03	AB	JMP	,\$AB03				
.,AB09	AD	00	DD	LDA	,\$DD00				
.,AB0C	29	0F		AND	,\$#0F				
.,AB0E	8D	BD	AB	STA	,\$ABBD				
.,AB11	49	10		EDR	,\$#10				
.,AB13	8D	AD	AB	STA	,\$ABAD				
.,AB16	49	30		EDR	,\$#30				
.,AB18	BD	5B	AB	STA	,\$AB5B				
.,AB1B	49	B0		EDR	,\$#B0				
.,AB1D	8D	84	AB	STA	,\$AB84				
.,AB20	49	50		EDR	,\$#50				
.,AB22	8D	94	AB	STA	,\$AB94				
.,AB25	8D	DB	AB	STA	,\$ABDB				
.,AB28	A9	02		LDA	,\$#02				
.,AB2A	20	53	AB	JSR	,\$AB53				
.,AB2D	4C	CB	AB	JMP	,\$ABCB				
.,AB30	8E	51	AB	STX	,\$AB51				
.,AB33	20	73	AB	JSR	,\$AB73				
.,AB36	C9	AC		CMP	,\$#AC				
.,AB38	DO	15		BNE	,\$AB4F				
.,AB3A	20	73	AB	JSR	,\$AB73				
.,AB3D	C9	AC		CMP	,\$#AC				
.,AB3F	F0	0E		BEQ	,\$AB4F				
.,AB41	C9	FF		CMP	,\$#FF				
.,AB43	F0	08		BEQ	,\$AB50				
.,AB45	C9	F7		CMP	,\$#F7				
.,AB47	F0	07		BEQ	,\$AB50				
.,AB49	20	CB	AB	JSR	,\$ABCB				
.,AB4C	4C	33	AB	JMP	,\$AB33				
.,AB4F	1B			CLC					
.,AB50	A2	04		LDX	,\$#04				
.,AB52	60			RTS					
.,AB53	48			PHA					
.,AB54	8E	E2	AB	STX	,\$ABE2				
.,AB57	8C	E3	AB	STY	,\$ABE3				
.,AB5A	A9	26		LDA	,\$#26				
.,AB5C	8D	00	DD	STA	,\$DD00				
.,AB5F	20	CB	AB	JSR	,\$ABCB				
.,AB62	68			PLA					
.,AB63	20	A0	AB	JSR	,\$ABAO				
.,AB66	AD	E2	AB	LDA	,\$ABE2				
.,AB69	20	A0	AB	JSR	,\$ABAO				
.,AB6C	AD	E3	AB	LDA	,\$ABE3				
.,AB6F	20	A0	AB	JSR	,\$ABAO				
.,AB72	60			RTS					
.,AB73	20	83	AB	JSR	,\$AB83				
.,AB76	20	83	AB	JSR	,\$AB83				
.,AB79	20	83	AB	JSR	,\$AB83				
.,AB7C	20	83	AB	JSR	,\$AB83				
.,AB7F	AD	1B	AA	LDA	,\$AA1B				
.,AB82	60			RTS					
.,AB83	A2	96		LDX	,\$#96				
.,AB85	AD	00	DD	LDA	,\$DD00				
.,AB88	8E	00	DD	STX	,\$DD00				
.,AB8B	0A			ASL					
.,AB8C	6E	1B	AA	ROR	,\$AA1B				
.,AB8F	48			PHA					
.,AB90	68			PLA					
.,AB91	48			PHA					
.,AB92	68			PLA					
.,AB93	A2	C6		LDX	,\$#C6				
.,AB95	AD	00	DD	LDA	,\$DD00				
.,AB98	8E	00	DD	STX	,\$DD00				
.,AB9E	0A			ASL					
.,AB9C	6E	1B	AA	ROR	,\$AA1B				
.,AB9F	60			RTS					
.,ABA0	8D	1B	AA	STA	,\$AA1B				
.,ABA3	20	AC	AB	JSR	,\$ABAC				
.,ABA6	20	AC	AB	JSR	,\$ABAC				
.,ABA9	20	AC	AB	JSR	,\$ABAC				
.,ABAC	A9	16		LDA	,\$#16				
.,ABAE	4E	1B	AA	LSR	,\$AA1B				
.,ABB1	90	02		BCC	,\$ABB5				
.,ABB3	09	20		ORA	,\$#20				
.,ABB5	8D	00	DD	STA	,\$DD00				
.,ABB8	EA			NOP					
.,ABB9	EA			NOP					
.,ABBA	EA			NOP					
.,ABBB	EA			NOP					
.,ABBC	A9	06		LDA	,\$#06				
.,ABBE	4E	1B	AA	LSR	,\$AA1B				
.,ABC1	90	02		BCC	,\$ABC5				
.,ABC3	09	20		ORA	,\$#20				
.,ABC5	8D	00	DD	STA	,\$DD00				
.,ABC8	EA			NOP					
.,ABC9	EA			NOP					
.,ABCA	60			RTS					
.,ABCB	A2	32		LDX	,\$#32				
.,ABCD	CA			DEX					
.,ABCE	DO	FD		BNE	,\$ABCD				
.,ABD0	AD	00	DD	LDA	,\$DD00				
.,ABD3	29	40		AND	,\$#40				
.,ABD5	F0	F9		BEQ	,\$ABD0				
.,ABD7	A9	C6		LDA	,\$#C6				
.,ABD9	8D	00	DD	STA	,\$DD00				
.,ABDC	A2	05		LDX	,\$#05				
.,ABDE	CA			DEX					
.,ABDF	DO	FD		BNE	,\$ABDE				
.,ABE1	60			RTS					
.,ABE2	30	31		BMI	,\$A915				
.,ABE4	A0	00		LDY	,\$#00				
.,ABE6	A2	04		LDX	,\$#04				
.,ABE8	20	07	AA	JSR	,\$AA07				
.,ABEB	9D	16	AA	STA	,\$AA16,X				
.,ABEE	CA			DEX					
.,ABEF	10	F7		BPL	,\$ABE8				
.,ABF1	98			TYA					
.,ABF2	8D	11	AA	STA	,\$AA11				
.,ABF5	8C	13	AA	STY	,\$AA13				
.,ABF8	20	7C	A9	JSR	,\$A97C				
.,ABFB	2A			ROL					
.,ABFC	DO	02		BNE	,\$A900				
.,ABFE	90	0E		BCC	,\$A90E				
.,A900	2E	13	AA	ROL	,\$AA13				
.,A903	20	7C	A9	JSR	,\$A97C				
.,A906	B0	F0		BCC	,\$ABF8				
.,A908	8D	12	AA	STA	,\$AA12				
.,A90B	20	9E	A9	JSR	,\$A99E				
.,A90E	98			TYA					

.,A90F	8C	14	AA	STY	,\$AA14	.,A9A2	ED	12	AA	SBC	,\$AA12
.,A912	8C	15	AA	STY	,\$AA15	.,A9A5	8D	14	AA	STA	,\$AA14
.,A915	20	7C	A9	JSR	,\$A97C	.,A9AB	8D	19	AA	STA	,\$AA19
.,A918	2A			ROL		.,A9AB	AD	1A	AA	LDA	,\$AA1A
.,A919	F0	0A		BEQ	,\$A925	.,A9AE	E9	00		SBC	,\$#00
.,A91B	30	05		BMI	,\$A922	.,A9B0	8D	15	AA	STA	,\$AA15
.,A91D	20	7C	A9	JSR	,\$A97C	.,A9B3	ED	13	AA	SBC	,\$AA13
.,A920	B0	F3		BCS	,\$A915	.,A9B6	8D	1A	AA	STA	,\$AA1A
.,A922	EE	11	AA	INC	,\$AA11	.,A9B9	AC	12	AA	LDY	,\$AA12
.,A925	69	02		ADC	,\$#02	.,A9BC	F0	26		BEQ	,\$A9E4
.,A927	8D	12	AA	STA	,\$AA12	.,A9BE	AD	17	AA	LDA	,\$AA17
.,A92A	A2	02		LDX	,\$#02	.,A9C1	38			SEC	
.,A92C	20	7C	A9	JSR	,\$A97C	.,A9C2	ED	12	AA	SBC	,\$AA12
.,A92F	2E	11	AA	ROL	,\$AA11	.,A9C5	8D	17	AA	STA	,\$AA17
.,A932	CA			DEX		.,A9C8	B0	03		BCS	,\$A9CD
.,A933	D0	F7		BNE	,\$A92C	.,A9CA	CE	18	AA	DEC	,\$AA18
.,A935	AE	11	AA	LDX	,\$AA11	.,A9CD	20	F2	A9	JSR	,\$A9F2
.,A93B	8D	1C	AA	LDA	,\$AA1C,X	.,A9D0	48			PHA	
.,A93B	AA			TAX		.,A9D1	AD	17	AA	LDA	,\$AA17
.,A93C	F0	0C		BEQ	,\$A94A	.,A9D4	8D	DF	A9	STA	,\$A9DF
.,A93E	20	7C	A9	JSR	,\$A97C	.,A9D7	AD	18	AA	LDA	,\$AA18
.,A941	2E	14	AA	ROL	,\$AA14	.,A9DA	8D	E0	A9	STA	,\$A9E0
.,A944	2E	15	AA	ROL	,\$AA15	.,A9DD	68			PLA	
.,A947	CA			DEX		.,A9DE	99	FF	BB	STA	,\$BBFF,Y
.,A948	D0	F4		BNE	,\$A93E	.,A9E1	88			DEY	
.,A94A	AD	11	AA	LDA	,\$AA11	.,A9E2	D0	E9		BNE	,\$A9CD
.,A94D	29	03		AND	,\$#03	.,A9E4	CC	13	AA	CPY	,\$AA13
.,A94F	F0	0D		BEQ	,\$A95E	.,A9E7	F0	08		BEQ	,\$A9F1
.,A951	EE	14	AA	INC	,\$AA14	.,A9E9	CE	15	AA	DEC	,\$AA15
.,A954	D0	03		BNE	,\$A959	.,A9EC	CE	13	AA	DEC	,\$AA13
.,A956	EE	15	AA	INC	,\$AA15	.,A9EF	10	D9		BPL	,\$A9CA
.,A959	CE	11	AA	DEC	,\$AA11	.,A9F1	60			RTS	
.,A95C	10	D7		BPL	,\$A935	.,A9F2	AD	11	AA	LDA	,\$AA11
.,A95E	18			CLC		.,A9F5	F0	10		BEQ	,\$AA07
.,A95F	AD	17	AA	LDA	,\$AA17	.,A9F7	AD	14	AA	LDA	,\$AA14
.,A962	6D	14	AA	ADC	,\$AA14	.,A9FA	8D	04	AA	STA	,\$AA04
.,A965	8D	14	AA	STA	,\$AA14	.,A9FD	AD	15	AA	LDA	,\$AA15
.,A968	AD	18	AA	LDA	,\$AA18	.,AA00	8D	05	AA	STA	,\$AA05
.,A96B	6D	15	AA	ADC	,\$AA15	.,AA03	B9	1F	BF	LDA	,\$BF1F,Y
.,A96E	8D	15	AA	STA	,\$AA15	.,AA06	60			RTS	
.,A971	EE	11	AA	INC	,\$AA11	.,AA07	20	30	AB	JSR	,\$AB30
.,A974	20	B9	A9	JSR	,\$A9B9	.,AA0A	90	04		BCC	,\$AA10
.,A977	D0	03		BNE	,\$A97C	.,AA0C	68			PLA	
.,A979	4C	F1	AB	JMP	,\$ABF1	.,AA0D	68			PLA	
.,A97C	0E	16	AA	ASL	,\$AA16	.,AA0E	68			PLA	
.,A97F	D0	1C		BNE	,\$A99D	.,AA0F	68			PLA	
.,A981	CC	19	AA	CPY	,\$AA19	.,AA10	60			RTS	
.,A984	D0	08		BNE	,\$A98E	.,AA11	00			BRK	
.,A986	CC	1A	AA	CPY	,\$AA1A	.,AA12	64			???	
.,A989	F0	10		BEQ	,\$A99B	.,AA13	00			BRK	
.,A98B	CE	1A	AA	DEC	,\$AA1A	.,AA14	00			BRK	
.,A98E	CE	19	AA	DEC	,\$AA19	.,AA15	00			BRK	
.,A991	48			PHA		.,AA16	00			BRK	
.,A992	20	07	AA	JSR	,\$AA07	.,AA17	FF			???	
.,A995	38			SEC		.,AA18	BB			???	
.,A996	2A			ROL		.,AA19	00			BRK	
.,A997	8D	16	AA	STA	,\$AA16	.,AA1A	00			BRK	
.,A99A	24	68		BIT	,\$68	.,AA1B	FF			???	
.,A99C	68			PLA		.,AA1C	04			???	
.,A99D	60			RTS		.,AA1D	02			???	
.,A99E	38			SEC		.,AA1E	02			???	
.,A99F	AD	19	AA	LDA	,\$AA19						

.,AA1F 02	???
.,AA20 05 02	ORA #02
.,AA22 02	???
.,AA23 03	???
.,AA24 00	BRK
.,AA25 00	BRK
.,AA26 00	BRK
.,AA27 00	BRK

14.01.93
15.01.93

3972 Unterroutine (die D4xx manipuliert)

JSR 3852 bei 8639 + 9863

Fred's back

8624 viele Speicherstellen werden mit 0 gefüllt.

8534 Stand der Routine

8709 Titel
8748 Spiel
8859 Leben futsch
88A2 Congratulations
913E Level finished
9C15 Game Over
~~8827~~
~~8828~~
~~8829~~
~~8830~~
~~8831~~
~~8832~~
~~8833~~
~~8834~~
~~8835~~
~~8836~~
~~8837~~
~~8838~~
~~8839~~
~~8840~~
~~8841~~
~~8842~~
~~8843~~
~~8844~~
~~8845~~
~~8846~~
~~8847~~
~~8848~~
~~8849~~
~~8850~~
~~8851~~
~~8852~~
~~8853~~
~~8854~~
~~8855~~
~~8856~~
~~8857~~
~~8858~~
~~8859~~
~~8860~~
~~8861~~
~~8862~~
~~8863~~
~~8864~~
~~8865~~
~~8866~~
~~8867~~
~~8868~~
~~8869~~
~~8870~~
~~8871~~
~~8872~~
~~8873~~
~~8874~~
~~8875~~
~~8876~~
~~8877~~
~~8878~~
~~8879~~
~~8880~~
~~8881~~
~~8882~~
~~8883~~
~~8884~~
~~8885~~
~~8886~~
~~8887~~
~~8888~~
~~8889~~
~~8890~~
~~8891~~
~~8892~~
~~8893~~
~~8894~~
~~8895~~
~~8896~~
~~8897~~
~~8898~~
~~8899~~
~~8900~~
~~8901~~
~~8902~~
~~8903~~
~~8904~~
~~8905~~
~~8906~~
~~8907~~
~~8908~~
~~8909~~
~~8910~~
~~8911~~
~~8912~~
~~8913~~
~~8914~~
~~8915~~
~~8916~~
~~8917~~
~~8918~~
~~8919~~
~~8920~~
~~8921~~
~~8922~~
~~8923~~
~~8924~~
~~8925~~
~~8926~~
~~8927~~
~~8928~~
~~8929~~
~~8930~~
~~8931~~
~~8932~~
~~8933~~
~~8934~~
~~8935~~
~~8936~~
~~8937~~
~~8938~~
~~8939~~
~~8940~~
~~8941~~
~~8942~~
~~8943~~
~~8944~~
~~8945~~
~~8946~~
~~8947~~
~~8948~~
~~8949~~
~~8950~~
~~8951~~
~~8952~~
~~8953~~
~~8954~~
~~8955~~
~~8956~~
~~8957~~
~~8958~~
~~8959~~
~~8960~~
~~8961~~
~~8962~~
~~8963~~
~~8964~~
~~8965~~
~~8966~~
~~8967~~
~~8968~~
~~8969~~
~~8970~~
~~8971~~
~~8972~~
~~8973~~
~~8974~~
~~8975~~
~~8976~~
~~8977~~
~~8978~~
~~8979~~
~~8980~~
~~8981~~
~~8982~~
~~8983~~
~~8984~~
~~8985~~
~~8986~~
~~8987~~
~~8988~~
~~8989~~
~~8990~~
~~8991~~
~~8992~~
~~8993~~
~~8994~~
~~8995~~
~~8996~~
~~8997~~
~~8998~~
~~8999~~

JSR bei 8917

88A2 Stand d. Routine

JMP bei 88000

8639 84E5
8809 888C
888E 8B A8
ABE4 9450

Bei Modifikation von ~~8831~~ ~~811C~~ werden beim Rechtsgehen die falschen Sprites angewandt
30 67 3044 -> 05 => ^{zerstört} ~~Flächen~~ ^{unsichtb.}
Umkehren nicht plausibel?

4800-5800 Sprites
6000-8000 Fonts?

in I/II
38F2/3948
stehend die Leben

Musiken liegen von 80810 bis 11860
2 11880

80810 CDA #800
80812 JSR 80900
80815
SY 80810 -> Spielen der Musik, wobei 0 für
00 -> Titelmusik
01 -> Musik im Spiel
02 -> Game Over
03 -> Musik bei Leben futsch
04 -> Congratulations
05 -> Level finished
06 -> Sound (nur bei Fred's back 2)

~~80810~~
~~80811~~
~~80812~~
~~80813~~
~~80814~~
~~80815~~
~~80816~~
~~80817~~
~~80818~~
~~80819~~
~~80820~~
~~80821~~
~~80822~~
~~80823~~
~~80824~~
~~80825~~
~~80826~~
~~80827~~
~~80828~~
~~80829~~
~~80830~~
~~80831~~
~~80832~~
~~80833~~
~~80834~~
~~80835~~
~~80836~~
~~80837~~
~~80838~~
~~80839~~
~~80840~~
~~80841~~
~~80842~~
~~80843~~
~~80844~~
~~80845~~
~~80846~~
~~80847~~
~~80848~~
~~80849~~
~~80850~~
~~80851~~
~~80852~~
~~80853~~
~~80854~~
~~80855~~
~~80856~~
~~80857~~
~~80858~~
~~80859~~
~~80860~~
~~80861~~
~~80862~~
~~80863~~
~~80864~~
~~80865~~
~~80866~~
~~80867~~
~~80868~~
~~80869~~
~~80870~~
~~80871~~
~~80872~~
~~80873~~
~~80874~~
~~80875~~
~~80876~~
~~80877~~
~~80878~~
~~80879~~
~~80880~~
~~80881~~
~~80882~~
~~80883~~
~~80884~~
~~80885~~
~~80886~~
~~80887~~
~~80888~~
~~80889~~
~~80890~~
~~80891~~
~~80892~~
~~80893~~
~~80894~~
~~80895~~
~~80896~~
~~80897~~
~~80898~~
~~80899~~
~~80900~~
~~80901~~
~~80902~~
~~80903~~
~~80904~~
~~80905~~
~~80906~~
~~80907~~
~~80908~~
~~80909~~
~~80910~~
~~80911~~
~~80912~~
~~80913~~
~~80914~~
~~80915~~
~~80916~~
~~80917~~
~~80918~~
~~80919~~
~~80920~~
~~80921~~
~~80922~~
~~80923~~
~~80924~~
~~80925~~
~~80926~~
~~80927~~
~~80928~~
~~80929~~
~~80930~~
~~80931~~
~~80932~~
~~80933~~
~~80934~~
~~80935~~
~~80936~~
~~80937~~
~~80938~~
~~80939~~
~~80940~~
~~80941~~
~~80942~~
~~80943~~
~~80944~~
~~80945~~
~~80946~~
~~80947~~
~~80948~~
~~80949~~
~~80950~~
~~80951~~
~~80952~~
~~80953~~
~~80954~~
~~80955~~
~~80956~~
~~80957~~
~~80958~~
~~80959~~
~~80960~~
~~80961~~
~~80962~~
~~80963~~
~~80964~~
~~80965~~
~~80966~~
~~80967~~
~~80968~~
~~80969~~
~~80970~~
~~80971~~
~~80972~~
~~80973~~
~~80974~~
~~80975~~
~~80976~~
~~80977~~
~~80978~~
~~80979~~
~~80980~~
~~80981~~
~~80982~~
~~80983~~
~~80984~~
~~80985~~
~~80986~~
~~80987~~
~~80988~~
~~80989~~
~~80990~~
~~80991~~
~~80992~~
~~80993~~
~~80994~~
~~80995~~
~~80996~~
~~80997~~
~~80998~~
~~80999~~

id 9859 Leben futsch

I

POKE \$86CC, Lebensanzahl
 POKE \$8C28, \$2C unendlich viele Leben

II

POKE \$8708, Lebensanzahl
 POKE \$8244, \$2C unendlich viele Leben

86B9 BIT Score+Fred's werden nicht initialisiert SC0F
 86C1 → 2 8A41: Chaos beim Titel
 8852 Score+Fred's initialisieren 9800: Musik wird überall sehr leise + E-note
 98E1: wie 9900

35F2 Lebensanzahl

8698 BIT Energie aus Spiel nicht
 86BF BIT Monster verschwinden bei Lebensverlust nicht
 865A BIT k.V.

868A → 5 nix
 867E BIT nix
 8512 BIT über den Wolken + getrunken
 8600 → 3 nix
 85F6 BIT Fred wird am falschen Pos. gesetzt
 85FD BIT über den Wolken
 85CE → 2 nix
 85D3 → 1 nix
 85D8 → 7 nix
 85D0 → 1 nix
 85E5 BIT = Fred's Pos. am Anf., außer halb d. Pos bei Leben veränd. am Ende des S.
 85F0 BIT

POKE \$0BE2, \$2C Musik aus
 POKE \$0903, \$60 Ton aus

868A nix → 7 SBFA
 8615 → 10BS zu weit unten (nur Anfang) SBFD
 861A → 2 nix SBFC

3C00: v. roter Punkt erscheint irgendwann oben

3C01
 3C02
 3C03
 3BFE: Absturz beim Levelschluß
 3BFF
 3BEB
 3COE

8824

3C04 verantw. fürs Springen (05 → großer Sprung am Anfang)
 3BEC (05 → Titelschrift FRED'S BACK erscheint nicht)
 3BED (05 → Fred läßt sich nicht bewegen, Stärke geht nicht verloren keine Gegner)
 3C12 (05 → keine Veränderung) 3BF6 k.V. 3BF9 Chaos bei Bildschirmveränd.
 3C19 (05 → k.V.) 3BF8 kein scroll-down
 3BF3 (05 → Sprites vertikal versetzt (hier)) 3BFB keine BS-Veränd.
 3BF4 (05 → k.V.?) 8095 (05 - Panel verschoben) 80DF (05 - k.V.)
 3BF4 (05 → k.V.?) 8095 (05 - Panel verschoben) 80DF (05 - k.V.)