

kommentiert im Juni 82

CB00	4C	2D	CB	JMP	#CB2D
CB03	AD	FF	03	LDA	#03FF
CB06	F0	03		BEQ	#CB0B
CB08	20	F1	CB	JSR	#CBF1
CB0B	A5	0B		LDA	#0B
CB0D	CD	52	CB	CMP	#CB52
CB10	F0	0F		BEQ	#CB21
CB12	BD	52	CB	STA	#CB52
CB15	C9	04		CMP	#04
CB17	D0	0B		BNE	#CB21
CB19	AD	FF	03	LDA	#03FF
CB1C	49	FF		EOR	#FF
CB1E	BD	FF	03	STA	#03FF
CB21	4C	31	EA	JMP	#EA31
CB24	8A			TXA	
CB25	30	03		BMI	#CB2A
CB27	8E	5F	CB	STX	#CB5F
CB2A	4C	8B	E3	JMP	#E38B
CB2D	AD	0E	DC	LDA	#DC0E
CB30	09	80		ORA	#80
CB32	BD	0E	DC	STA	#DC0E
CB35	AD	0F	DC	LDA	#DC0F
CB38	29	7F		AND	#7F
CB3A	BD	0F	DC	STA	#DC0F
CB3D	20	79	00	JSR	#0079
CB40	F0	6A		BEQ	#CBAC
CB42	20	FD	AE	JSR	#AEFD
CB45	20	9E	AD	JSR	#AD9E
CB48	20	A3	B6	JSR	#B6A3
CB4B	C9	06		CMP	#06
CB4D	F0	12		BEQ	#CB41
CB4F	4C	4B	B2	JMP	#B24B
CB52	40			RTI	
CB53	00			BRK	
CB54	35			AND	#01, X
CB56	00			BRK	
CB57	0A			ASL	
CB58	00			BRK	
CB59	44			BRK	
CB5A	00			BRK	
CB5B	E8			INX	
CB5C	03			???	
CB5D	10	27		BPL	#CB5E
CB5F	14	17		ASL	#17
CB61	A0	00		LDY	#00
CB63	B1	22		LDA	(#22), Y
CB65	38			SEC	
CB66	E9	30		SBC	#30
CB68	C9	03		CMP	#03
CB6A	B0	E3		BCS	#CB4F
CB6C	0A			ASL	
CB6D	0A			ASL	
CB6E	0A			ASL	
CB6F	0A			ASL	
CB70	BD	53	CB	STA	#CB53
CB73	CB			INX	
CB74	B1	22		LDA	(#22), Y
CB76	38			SEC	
CB77	E9	30		SBC	#30
CB79	C9	0A		CMP	#0A
CB7B	B0	D2		BCS	#CB4F

CB7D	0D	53	CB	ORA	#CB53
CB80	D0	04		BNE	#CB87
CB82	A9	92		LDA	#92
CB84	D0	0F		BNE	#CB95
CB86	C9	24		CMP	#24
CB88	B0	C5		BCS	#CB4F
CB8A	C7	13		CMP	#13
CB8C	90	07		BCC	#CB95
CB8E	38			SEC	
CB8F	FB			SED	
CB90	E9	12		SBC	#12
CB92	D8			CLD	
CB93	09	80		ORA	#80
CB95	BD	0B	DC	STA	#DC0B
CB98	20	0F	CB	JSR	#CB0F
CB9B	BD	0A	DC	STA	#DC0A
CB9E	20	0F	CB	JSR	#CB0F
CBAA	BD	09	DC	STA	#DC09
CBAA	A9	01		LDA	#01
CBAA	BD	0B	DC	STA	#DC0B
CBAA	BD	40	CB	STA	#CB40
CBAC	A9	24		LDA	#24
CBAC	A0	02		LDY	#02
CBBD	BD	00	03	STA	#0300
CBBD	8C	01	03	STX	#0301
CBBD	A9	00		LDA	#00
CBBD	BD	5F	CB	STA	#CB5F
CBBD	78			SEI	
CBBC	A9	03		LDA	#03
CBDE	BD	14	03	STA	#0314
CBDE	A9	FF		LDA	#FF
CBDE	BD	FF	03	STA	#03FF
CBDE	A9	08		LDA	#08
CBDE	BD	15	03	STA	#0315
CBDE	58			CLI	
CBDE	4C	22	CA	JMP	#CA22
CBDF	CB			INX	= 30,5 unterverteilt
CBDO	B1	22		LDA	(#22), Y Pointer
CBDE	38			SEC	
CBDE	E9	30		SBC	#30 minus 30
CBDE	C9	06		CMP	#06 größer 5?
CBDE	B0	15		BCS	#CBEE -> WQUAN
CBDE	0A			ASL	
CBDA	0A			ASL	
CBDB	0A			ASL	
CBDC	0A			ASL	
CBDD	BD	53	CB	STA	#CB53
CBDE	CB			INX	= 40,6
CBDE	B1	22		LDA	(#22), Y Pointer
CBDE	38			SEC	
CBDE	E9	30		SBC	#30 minus 30
CBDE	C9	0A		CMP	#0A größer 5
CBDE	B0	04		BCS	#CBEE -> WQUAN
CBDE	0D	53	CB	ORA	#CB53 OR mit ZwSp
CBDE	40			RTS	Ende
CBDE	4C	4B	B2	JMP	#B24B
CBF1	A5	FB		LDA	#FB
CBF3	48			PHA	
CBF4	A5	FC		LDA	#FC
CBF6	48			PHA	
CBF7	A5	F7		LDA	#F7

Zwischensp. für 1 Zeichen der Stunden
Zwischensp. für 1 Zeichen

Zwischensp. für 1 Zeichen

Zwischensp. OR mit 1. Zeichen in 3 DC0B schreiben = JTF

ablegen 34 Zeichen und ablegen 42 Zeichen
Bekunden 1 Minute
Zwischensp. 1:40

Bekunden 1 Minute
P. 4. oder 5. 6.

= 30,5 unterverteilt
#30 minus 30
#06 größer 5?
-> WQUAN

Zwischensp. 40,6
Y Pointer
#30 minus 30
größer 5
-> WQUAN
OR mit ZwSp
Ende

SUPER-1101RQ

Unterrountine

```

C8F7 4B PHA
C8FA A5 F8 LDA #F8
C8FC 4B PHA
C8ED 20 A6 CA JSR $CAA6
C900 20 4B C9 JSR $C94B Zeit ausgeben
C903 20 BC CA JSR $C9BC
C906 20 E6 C9 JSR $C9E6
C909 20 EE C9 JSR $C9EE
C90C 20 09 CA JSR $CA09
C90F 20 18 CA JSR $CA18
C912 20 04 CA JSR $CAC4
C915 CE 60 C8 DEC $C860
C918 D0 14 BNE $C92E
C91A A9 1E LDA #1E
C91C 8D 60 C8 STA $C860
C91F 20 3B C9 JSR $C93B
C922 20 BC CA JSR $C9BC
C925 20 D8 C9 JSR $C9D8
C928 20 1F C8 JSR $CB1F
C92B 20 8A C8 JSR $CB8A
C92E 68 PLA
C92F 85 F8 STA #F8
C931 68 PLA
C932 85 F7 STA #F7
C934 68 PLA
C935 85 FC STA #FC
C937 68 PLA
C938 85 FB STA #FB
C93A 60 RTS
C93B A9 98 LDA #98
C93D 25 CU CU CU CU CU CU CU CU
C93E A9 CU CU CU CU CU CU CU CU
C940 85 FB STA #FB
C942 AD 88 02 LDA #0288
C945 18 CLC
C948 69 03 ADC ##03
C94B 85 FC STA #FC Zeit ausgeben
C94E 20 3E C9 JSR $C93E
C94E A0 00 LDY #00
C950 AD 0B DC LDA $DC0B Stunden holen
C953 C9 12 CMP ##12 = 12?
C955 F0 11 BEQ $C968 ja: $C968
C957 C9 80 CMP ##80 < 128?
C959 90 0F BCC $C96A ja: $C96A
C95B 29 7F AND ##7F
C95D C9 12 CMP ##12 = 12
C95F F0 09 BEQ $C96A ja: $C96A
C961 F8 SED
C962 18 CLC
C963 69 12 ADC ##12
C965 D8 CLD
C966 D0 02 BNE $C96A
C968 A9 00 LDA #00
C96A 20 82 C9 JSR $C982
C96D AD 0A DC LDA $DC0A
C970 20 82 C9 JSR $C982
C973 AD 09 DC LDA $DC09
C976 20 82 C9 JSR $C982
C979 AD 08 DC LDA $DC08
C97C 09 30 ORA ##30
C97E 20 9A C9 JSR $C99A
C981 60 RTS
    
```

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C982 4B PHA
C983 29 F0 AND ##F0
C985 4A LSR
C986 4A LSR
C987 4A LSR
C988 4A LSR
C989 18 CLC
C98A 69 30 ADC ##30
C98C 20 9A C9 JSR $C99A
C98F 68 PLA
C990 29 0F AND ##0F
C992 18 CLC
C993 69 30 ADC ##30
C995 20 9A C9 JSR $C99A
C998 A9 3A LDA #3A
C99A 91 FB STA ($FB), Y
C99C D8 INY
C99E 60 RTS
C9A0 85 F8 STA #F8
C9A2 A2 08 LDX #08
C9A4 A9 30 LDA #30
C9A6 8D 54 C8 STA $C854
C9A9 A5 F8 LDA #F8
C9AB DD 56 C8 CMP $C856, X
C9AE 90 1D BCC $C9CD
C9B0 D0 07 BNE $C9B9
C9B2 A5 F7 LDA #F7
C9B4 DD 55 C8 CMP $C855, X
C9B7 90 14 BCC $C9CD
C9B9 38 SEC
C9BA A5 F7 LDA #F7
C9BC FD 55 C8 SBC $C855, X
C9BF 85 F7 STA #F7
C9C1 A5 F8 LDA #F8
C9C3 FD 56 C8 SBC $C856, X
C9C6 85 F8 STA #F8
C9C8 EE 54 C8 INC $C854
C9CB D0 DC BNE $C9A9
C9CD AD 54 C8 LDA $C854
C9D0 91 FB STA ($FB), Y
C9D2 C8 INY
C9D3 CA DEX
C9D4 CA DEX
C9D5 10 CD BPL $C9A4
C9D7 60 RTS
C9D8 C8 INY
C9D9 A5 33 LDA #33
C9DB 38 SEC
C9DC E5 31 SBC #31
C9DE AA TAX
C9DF A5 34 LDA #34
C9E1 E5 32 SBC #32
C9E3 4C 9E C9 JMP $C99E
C9E6 C8 INY
C9E7 A6 39 LDX #39
C9E9 A5 3A LDA #3A
C9EB 4C 9E C9 JMP $C99E
C9EE A5 9D LDA #9D
C9F0 29 60 AND ##60
C9F2 F0 03 BEQ $C9F7
    
```

SUPERINFORQ

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CA9F4	A9	04	LDA	#104	CA7F	A9	00	LDA	#100		
CA9F6	2C	A9	10	BIT	#10A9	CAB1	8D	6A	FD	STA	\$FD6A
CA9F9	CB		INY		CAB4	A9	4C	LDA	#14C		
CA9FA	20	9A	C9	JSR	#C99A	CAB6	8D	6B	FD	STA	\$FD6B
CA9FD	A5	D4	LDA	#D4	CAB9	A9	8D	LDA	#18D		
CA9FF	F0	03	BEQ	#CA04	CABB	8D	6C	FD	STA	\$FD6C	
CA01	A9	11	LDA	#111	CABE	A9	FD	LDA	#1FD		
CA03	2C	A9	0E	BIT	#0EA9	CA90	8D	6D	FD	STA	\$FD6D
CA06	4C	9A	C9	JMP	#C99A	CA93	AD	14	03	LDA	#0314
CA09	AD	5F	C8	LDA	#C85F	CA96	AC	15	03	LDY	#0315
CA0C	85	F7	STA	#F7	CA99	8D	30	FD	STA	\$FD30	
CA0E	A9	00	LDA	#100	CA9C	8D	9F	FD	STA	\$FD9F	
CA10	85	F8	STA	#F8	CA9F	8C	31	FD	STY	\$FD31	
CA12	CB		INY		CAA2	8D	A0	FD	STA	\$FDA0	
CA13	A2	02	LDX	#102	CAA5	60		RTS			
CA15	4C	A4	C9	JMP	#C9A4	CAA6	A0	77	LDY	#177	
CA18	A5	D6	LDA	#D6	CAAB	AD	86	02	LDA	#0286	
CA1A	20	0C	CA	JSR	#CA0C	CAAD	99	70	DB	STA	\$DB70,Y
CA1D	A5	D3	LDA	#D3	CAAE	8B		DEY			
CA1F	4C	0C	CA	JMP	#CA0C	CAAF	10	FA	BPL	#CAAB	
CA22	A9	37	LDA	#137	CAB1	A0	27	LDY	#127		
CA24	85	01	STA	#01	CAB3	A9	64	LDA	#164		
CA26	20	44	E5	JSR	#E544	CAB5	99	70	07	STA	#0770,Y
CA29	A9	A0	LDA	#1A0	CABB	8B		DEY			
CA2B	20	3E	CA	JSR	#CA3E	CAB9	10	FA	BPL	#CAB5	
CA2E	A9	E0	LDA	#1E0	CABB	60		RTS			
CA30	20	3E	CA	JSR	#CA3E	CABC	A5	40	LDA	#140	
CA33	20	53	CA	JSR	#CA53	CABE	A6	3F	LDX	#13F	
CA36	A9	35	LDA	#135	CAD0	CB		INY			
CA38	85	01	STA	#01	CAC1	4C	9E	C9	JMP	#C99E	
CA3A	8D	D6	FD	STA	#FDD6	CAC4	CB		INY		
CA3D	60		RTS		CAC5	A6	7A	LDX	#17A		
CA3E	85	23	STA	#123	CAC7	A5	7B	LDA	#17B		
CA40	A0	00	LDY	#100	CAC9	4C	9E	C9	JMP	#C99E	
CA42	84	22	STY	#122	CACC	A4	B7	LDY	#1B7		
CA44	A2	20	LDX	#120	CACE	C0	11	CPY	#111		
CA46	B1	22	LDA	(#122),Y	CAD0	90	03	BCC	#CAD5		
CA48	91	22	STA	(#122),Y	CAD2	8B		DEY			
CA4A	CB		INY		CAD3	DC	F9	BNE	#CACE		
CA4B	D0	F9	BNE	#CA46	CAD5	84	F7	STY	#1F7		
CA4D	E6	23	INC	#123	CAD7	8B		DEY			
CA4F	CA		DEX		CAD8	30	35	BMI	#CB0F		
CA50	D0	F4	BNE	#CA46	CADA	B1	BB	LDA	(#1BB),Y		
CA52	60		RTS		CADC	10	14	BPL	#CAF2		
CA53	A2	14	LDX	#114	CADE	29	7F	AND	#17F		
CA55	8E	AA	E9	STX	#E9AA	CAE0	C9	7F	CMP	#17F	
CA58	EB		INX		CAE2	D0	02	BNE	#CAE6		
CA59	8E	5F	E5	STX	#E55F	CAE4	A9	5E	LDA	#15E	
CA5C	8E	04	E9	STX	#E904	CAE6	C9	20	CMP	#120	
CA5F	8E	70	E9	STX	#E970	CAE8	90	03	BCC	#CAED	
CA62	EB		INX		CAEA	4C	03	CB	JMP	#CB03	
CA63	8E	08	E5	STX	#E508	CAED	09	40	ORA	#140	
CA66	8E	D0	E6	STX	#E6D0	CAEF	4C	08	CB	JMP	#CB08
CA69	8E	82	E8	STX	#E882	CAF2	C9	20	CMP	#120	
CA6C	8E	C5	E8	STX	#E8C5	CAF4	90	12	BCC	#CB0B	
CA6F	8E	9E	E9	STX	#E99E	CAF6	C9	60	CMP	#160	
CA72	A9	A0	LDA	#1A0	CAFB	90	04	BCC	#CAFE		
CA74	8D	67	FD	STA	#FD67	CAFA	29	DF	AND	#1DF	
CA77	8D	68	FD	STA	#FD68	CAFC	D0	02	BNE	#CB00	
CA7A	A9	A2	LDA	#1A2	CAFE	29	3F	AND	#13F		
CA7C	8D	69	FD	STA	#FD69	CD00	4C	05	CB	JMP	#CB05

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SUPERADP0109

..CB03	09	40	ORA	##40	..CB8A	A5	3C	LDA	#3C	
..CB05	4C	0A	CB	JMP	#CB0A	..CB8C	A6	3B	LDX	#3B
..CB08	09	80	ORA	##80	..CB8E	CB		INY		
..CB0A	91	FE	STA	(#FB),Y	..CB9F	4C	9E	C9	JMP	#C99E
..CB0C	4C	D7	CA	JMP	#CAD7	..CB92	00		BRK	
..CB0F	A9	20	LDA	##20	..CB93	00		BRK		
..CB11	A4	F7	LDY	#F7	..CB94	00		BRK		
..CB13	C0	11	CPY	##11	..CB95	00		BRK		
..CB15	F0	06	BEQ	#CB1D	..CB96	00		BRK		
..CB17	20	9A	C9	JSR	#C99A	..CB97	00		BRK	
..CB1A	4C	13	CB	JMP	#CB13	..CB98	00		BRK	
..CB1D	88		DEY		..CB99	00		BRK		
..CB1E	60		RTS		..CB9A	00		BRK		
..CB1F	AD	8D	02	LDA	#028D	..CB9B	00		BRK	
..CB22	CB		INY		..CB9C	00		BRK		
..CB23	29	01	AND	##01	..CB9D	00		BRK		
..CB25	F0	12	BEQ	#CB39	..CB9E	00		BRK		
..CB27	A9	13	LDA	##13	..CB9F	00		BRK		
..CB29	20	9A	C9	JSR	#C99A	..CBA0	00		BRK	
..CB2C	A9	06	LDA	##06						
..CB2E	20	9A	C9	JSR	#C99A					
..CB31	A9	14	LDA	##14						
..CB33	20	9A	C9	JSR	#C99A					
..CB36	4C	43	CB	JMP	#CB43					
..CB39	A9	20	LDA	##20						
..CB3B	A2	02	LDX	##02						
..CB3D	20	9A	C9	JSR	#C99A					
..CB40	CA		DEX							
..CB41	10	FA	BFL	#CB3D						
..CB43	CB		INY							
..CB44	AD	8D	02	LDA	#028D					
..CB47	29	02	AND	##02						
..CB49	F0	0D	BEQ	#CB58						
..CB4B	A9	03	LDA	##03						
..CB4D	20	9A	C9	JSR	#C99A					
..CB50	A9	3D	LDA	##3D						
..CB52	20	9A	C9	JSR	#C99A					
..CB55	4C	62	CB	JMP	#CB62					
..CB58	A9	20	LDA	##20						
..CB5A	A2	01	LDX	##01						
..CB5C	20	9A	C9	JSR	#C99A					
..CB5F	CA		DEX							
..CB60	10	FA	BFL	#CB5C						
..CB62	CB		INY							
..CB63	AD	8D	02	LDA	#028D					
..CB66	29	04	AND	##04						
..CB68	F0	15	BEQ	#CB7F						
..CB6A	A9	03	LDA	##03						
..CB6C	20	9A	C9	JSR	#C99A					
..CB6F	A9	14	LDA	##14						
..CB71	20	9A	C9	JSR	#C99A					
..CB74	A9	12	LDA	##12						
..CB76	20	9A	C9	JSR	#C99A					
..CB79	A9	0C	LDA	##0C						
..CB7B	20	9A	C9	JSR	#C99A					
..CB7E	60		RTS							
..CB7F	A9	20	LDA	##20						
..CB81	A2	03	LDX	##03						
..CB83	20	9A	C9	JSR	#C99A					
..CB86	CA		DEX							
..CB87	10	FA	BFL	#CB83						
..CB89	60		RTS							