µP PROGRAMMING SHEET

6502
PROTOM
PC-1

PROBLEM NO.

START ADDRES

PROGRAM

DATE

SHEET

OF

DESCRIPTION

COMMENT

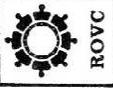| LINE	ADDRES	DATA B∅	B1	B2	LABEL	SYMBOLIC INSTRUCTION OPCODE	OPERANDS	COMMENT
1								
2								
3								
4								
5								
6								
7								
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ROVC µP PROGRAMMING SHEET

PROBLEM NO.	XX	START ADDR	0300	PROGRAM	F0 F1	RDG. TEKST

DESCRIPTION: LICHTKRANT

DATE 28/11/02   SHEET 1 OF 1

LINE	ADDR	B2	B1	B2	LABEL	OPCODE	OPERANDS	COMMENT
1	0300	A9	00		INIT	LDA	#$00	CLEAR TEKST-POINTER LOW BYTE
2	0302	85	EF			STA	$00EF	
3	0304	A0	00		DISP	LDY	#$00	HIGH BYTE TEKST POINTER
4	0306	20	65	FC		JSR	TPRINT	MOVE 16 BYTES TEXT TO D'SBUFF
5	0309	A9	10		DELAY	LDA	#$10	
6	030B	8D	07	01		STA	$0107	DELAY 16 x 10 msec
7	030E	AD	07	01	DELAY2	LDA	$0107	PER SHIFT
8	0311	D0	FB			BNE	DELAY1	
9	0312	E6	EF			INC	$00EF	TEKST POINTER +1 (SHIFT)
10	0315	A5	EF			LDA	$00EF	
11	0317	C9	20			CMP	#$20	POINTER = $20 (32)
12	0319	F0	E5			BEQ	INIT	
13	031B	4C	04	03		JMP	DISP	TEKST BUFFER
14	031E							
15					ROUTINE TPRINT: VERPLAATST 16			
16					BYTES OF MINDER ($00) NAAR			
17					DISPLAYBUFFER, STARTADRES VAN			
18					DI TEKST: HIGH-BYTE IN Y, LOW			
19					BYTE IN A			
20				$	0000			0020 DISPBUFF 0020
21					D I T I S E E N L I C			
22					44 49 54 20 49 53 20 45 45 4E 20 4C 49 43			H T K R A N T M E T T E K S T/
23								48 54 20 4B 52 41 4E 54 20 4D 45 54 20 54 45 4B 53
24								

R.O.V.C. µP PROGRAMMING SHEET

SHEET 1 OF 1

DATE 28-02-1983

PROBLEM NO.

START ADDR 0500

PROGRAM GETKEY

DESCRIPTION Haalt een toets op. Geen toets: Carrybit = '0'
Wel een toets:Carry = '1', toets (ASCII) in Accu.

LINE	ADDR	DATA B0	B1	B2	LABEL	SYMBOLIC OPCODE	INSTRUCTION OPERANDS	COMMENT
1	0500	8A			GETKEY	TXA		
2	0501	48				PHA		
3	0502	98				TYA		
4	0503	48				PHA		
5	0504	20	1B	FA		JSR	ROVER	
6	0507	B0	1E			BCS	GKEY3	
7	0509	20	4A	FA	GKEY1	JSR	SETDBN	
8	050C	20	54	FA		JSR	DECKEY	
9	050F	90	16			BCC	GKEY3	
10	0511	20	43	FA	GKEY2	JSR	QHOLD	
11	0514	D0	F3			BNE	GKEY1	
12	0516	20	50	FA		JSR	QDEBNC	
13	0519	D0	F6			BNE	GKEY2	
14	051B	20	4A	FA		JSR	SETDBN	
15	051E	A9	1B			LDA	#$1B	
16	0520	8D	36	01		STA	REPTO	
17	0523	20	9D	FA		JSR	KDECOD	
18	0526	38			GKEY3	SEC		
19	0527	68				PLA		
20	0528	A8				TAY		
21	0529	68				PLA		
22	052A	AA				TAX		
23	052B	AD	34	01		LDA	LSTKEY	
24	052E	60				RTS		

ROVC