Microprocessor Program

8 bit addition MVI D, 05 H MVIE, OGH MOV MID ADDE STA 9005 HLT comment opeode, operand Her Memory Lode Address 16 - Store of to Dregge MVI D, 05 H 8000 1E-> store of to Every MVIE, OGH 8000 7A - Transfer the Dan & reor A, D 2004 D to Aregister, ADDE. 83 -> Add register total 8802 register 4 STA 9005 H 850 € 76 - good Addan. HLT 8039 execupion.

	& bit subtraction
	MVI D, 06 H
- 100	MUZE, OFH
199	· mov A, D
	SUB E
	STA 9006 H
	HLT
nemony Address	epcode, operand Hex comment
8550	MUID, 06 H 16 Store 06 into D
8557	MUIE, 05 H 1E store of into E
8204	MOV A, D 7A Transfer the form
	to A.
8005	SUB E 93 subtract & from
8886	STA 9006 32 Store the regult
	into address
8009	HLT 76 Stop the program
the state of the s	execution.

8 bet a ddition LDA 9000 H Mov B, A LDA 9001 H ADD STA 9202 H HLT ad dition LXI H, GODDH MOV A M TNX ADDM 9500 H. HLT

bet devision MVI A, 15 H MVI BOSH C, 50 H INR SUB JHC AA DCR ADD 9000H STA HLT bet multiplication.

16 ~ Addition LXI B, 4422 LXI D, 3311 MOV AC 4DD E MOUH, A SHLD 8500H HLT 16 bet subtraction LXI B, 4422 H SUB E NOV L, A NOV A, B SBB D NOV HA SHLD 8500

1.6 bit addition LHLD 90004 XCHG LHLD 9002 H MVI C, 50H DAD JNC INR AA 9004 4 SHLD MOVA, C STA HLT bet subtraction LHLD 90004 XCHG SUB MOV L, A

SSOT TOGTAIN	Cation.
e set multiple	the state of the s
	the state of the s
MOV B, M	the state of the s
TXXH	Y Mark
nove, m	11/
MUI A, OOH	1. 1.
AA: ADDB	ME
	Mark Commencer
	1 . 5 Fr. Pr
INXH	
1.5 × 1.0	Co. v. Z.
	V V V
FILT.	
8 bet Devision	3.4
	N. W. W. B.
LXI H, 8000 H	(Dividend)
LEOU A, My	
INXH	
NOVA: M	(Pivisor)
MUEC, 00 H	
AA: INR C	
SUBB	
JNCAA	
	OVMA
1 - 1 - 0	
INXH /	447
Nor M, c	
PNX H.	

118 bit addie	tion	
LXI H, 5000H	W.71	
MUTC, OOH	1000	- 4 N N
nova, ny	4 1 14	1000
·INX H	J. Fil	1
JNC 44	-1-5	7 7 18
INRC		- 3
AA INX H		all aller
MOUM, A	2 3 1	42
	-	- F 2 -1
TNX H		
HLT		
	Lave L	100
Decimal ad	Lit.	ion.
LXT H, 5000H	1	S '
LXI H, SCOON	A 2.50	143 5 6 1
MUE GOOH	8 2 4 .	1 5 1
NOV A, M		
ITNXH		
ADDM	S 3	
DAA		307
JNC AA		1000
INRC		15.3
		100
AA: STA 5005 H		
MOVAC	-	
STA 5006 H		
HLT		

Decimal Subtraction LXI H, SOOIH MNI A, 99 SUB M INR A DCX H ABB M DAA. STA 5005 H HLT Count no. of 1'4 in 8 bit Lota. MUIA, OF H NIVI B, OSH MUICSOOH . RAR BB: JNE AA INRC AA: DCR B JNZ BB RST 5

the state of the s

add Fren no. only
Add Even no. only
LDA 5000H
MOVCA
MVI B, OOH
MOUD, B
LXI H, 5001H
LI: NOV A, M
ANTOIH
JNZ 12
MOVA, B
ADDY
nov BA
JNC L2
TNR D
La: INX H
DCR C
JNZ LI VIVE
MOVA, B
STA SOOBH
MOVA, D'
STA 5000H
HLT:

Add negarive no. only LDA 4000H MOU C, A MUIB, OOH LXI H, 4001 H MOV A, M ANI SOH JZ MOV A, B ADDM MOUB, A JNCL2 INR D INXH DCRC JNZLI MOVA, B 57A 4000 CH MOU AID 400 DH HLT