29/7/	22			Page No.
		LCM	AND HCK	
Aim:				
	Jo fin	d LCM	and HCF of to	no & bit numbous.
memory		Label	Instruction	Comments
8000	90: 81:00		MOV DPTR, #810011	
8003	Eo		MOVX A, COPTR	Move data from Detato
8004	F5: F0		MOV BIA	
8006	FA		mov RZIA	Move content from A to
8007	AS		INC DPTR	Sourcement porce
8008	ED		MOVX A, COPTE	
8009	FB		MOV R3, A	Cope Contest of At
800 A	99: FO	LOOP	MOV RI, B	Copy Content of At
8000	A9:84		DIV AB	divide A with B
8000	F5: F0		MOVAB	more content of Bhot
BOOF	60:03		J2 DONE	Jump to done of A=
8011	69		MOV AIRI	move content of as too
8012	80: F6		JMP 100P	Jump to Loup
8014	A3	DONE	INC DOTE	Increment DPTB
8015	F9		mov AIRI	Copy content of al to
8016	FO		MOVX @DPTR, A	move content of A to
8013	F5:, F0		mov B, A	Copy content of A to
8019	GA	/	MOU PIRZ	move content of R2 to
801A	84		DIV AB	divide A with B
801B	88: PO		mov B, R3	Copy content of 23 to B

Problem Specypialion 81004 -> num1 81014 -> moum2

8102 -> HCF 8103 -> LLM

plou chart

(Start) Lood number to-A copy A to B and Rel Load and number to-1 Copy A lo R3/ Copy B for RIL divide Aby B copy B to A (A == 0) Move RI to A) move A to memery privide content of R2 with A/ muliply content of A and Rs/ move mso and LSB to memory Stop"

ee:	/ /				Page No.
80	ID	A4		MUL AB	multiple of and o
80	16	A3		INC DPTR	increment DPSE
8	DIF	A3		INC DOTR	
				D-7/K	increment opth
80	20	Fo		MOUX @ DPTR, A	mare date 1 a. b.
80	21	15:82		DEG DPL	move data from A to
80	123	E5: PO		mov AB	Decrement DPTE
800	25	Fo		MOVX CDPTR, A	move condent of 0 to 1
80	26	80FE	HERE	SSMP HERE	end of program
			- unk	SOWN TIEKE	and of program
Re	ESULT	r -		Lines with truck	
an			d HCF	e of 2 & & bit me memory.	imben are found
an	nd		d HCF	e of & & bit me memory.	embers are found
an	nd		d HCF	memory.	imben are found
an	nd		de HCF	memory.	imbers are found
an	nd		de HCF	e of & & & bit me memory.	imbens are found
an	nd		d HCF	memory.	embers are found
an	nd		d HCF	memory.	embers are found
an	nd		d HCF	memory.	imbers are found

OBSERVATIOH

8100M -> 0B

8101h -> EE

B. Halling

81021 -> 01

8102H -> 0A

8104H 7 3 A