

TANYA KUMARI  
18116079

Page No.:

LABELS

## Assignment 2

	1	MVJ	CH, 00
	2	MpVJ	CL, 01
START :	3	MVJ	DL, 00
LOOP 1 :	4	INR	DL
	5	MVI	BL, 01
	6	MUL	BL, DL
	7	MUL	BL, DL
	8	MUL	BL, DL
	9	SBN	BL, CL, 23
	10	MOV	DH, DL
LOOP 2 :	11	INR	DH, <del>00</del>
	12	MOV	BH, 01
	13	MUL	BH, <del>DL</del>
	14	MUL	BH, DH
	15	MUL	BH, DH
	16	SBN	BH, <del>CL</del> CL, 4
	17	ADD	BH, <del>CL</del> 4, BH
	18	CMP	<del>BL, BH</del> A, CL
	19	JNE	<del>A, CL</del> LOOP 2
	20	INR	CH
	21	CMP	CH 2
	22	JE	EXIT
	23	INR	CL
	24	JMP	START
EXIT :	25	HLT	