

23/4/2020

## LAB PROGRAM - 6

8. • MODEL SMALL

• DATA

N DB 05H

R DB 02H

NCVAL DW 01H DUP(?)

• CODE

START: MOV AX, @DATA

MOV DI, AX

MOV CL, R

MOV CH, N

XOR AX, AX

CALL NCR

MOV [NCVAL], AX

MOV AH, 4CH

INT 21H

NCR PROC NEAR

CMP CH, CL

JE EQUAL

JL FINISH

CMP CL, 01H

JE NEXT

CMP CL, 02H

JE EQUAL

DEC CH

PUSH CX

CALL NCR

POP CX

DEC CL

23/11/2020

CALL NCR

RET

NEXT : XOR BX, BX

MOV BL, CH

ADD AX, BX

RET

EQUAL : ADD AX, 01H

FINISH : RET

NCR ENDP

END START