

3D
section

MP LAB
program 6

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• MODEL SMALL

• DATA

N DB 05H

R DB 00H

NCRVAL DW 01H DUP(?)

• CODE

START: MOV AX, @DATA
MOV DS, AX

MOV CL, R

MOV CH, N

XOR AX, AX

CALL NCR

MOV [NCRVAL], AX

MOV AH, 4CH

INT 21H

NCR PROC NEAR

CMP CH, CL

JE EQUAL

JC FINISH

CMP CL, 01H

JE NEXT

CMP CL, 00H

JE EQUAL

DEC CH

PUSH CX

CALL NCR

POP CX
DEC CL
CALL MCR
RET

NEXT: XOR BX, BX
MOV BL, CH
ADD AX, BX
RET

EQUAL: ADD AX, 01H
FINISH: RET
MCR ENOP

END START