

Roshni Dash

18M19C3133

Date _____
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NCR

• MODEL SMALL

• DATA

N DW 4

X DW 2

NCR DW 0

• CODE

MOV AX, @DATA

MOV DS, AX

MOV AX, N

MOV BX, X

CALL NCR PRO

CALL DISP

JMP FINAL

NCR PRO PROC NEAR

CMP AX, BX

JE RES1

CMPP BX, 0

JE RESN

DEC AX

CMP BX, AX

JE INCR

PUSH AX

PUSH BX

CALL NCR PRO

POP BX

POP AX

DEC BX

PUSH AX

PUSH BX

CALL NCR PRO

POP BX

POP AX

RET

RES1: INC NCR

RET

INCR: INC NCR

RESN: ADD NCR, AX

RET

NCR PRO ENDP

DISP PROC NEAR

MOV BX, NCR

ADD BX, 3030H

MOV DL, BH

MOV AH, 02H

INT 21H

MOV DL, BL

MOV AH, 02H

INT 21H

RET

DISP ENDP

FINAL: MOV AH, 4CH

INT 21H

END

O/P: 06

$4C_2 = 62$