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nCr Program.

.MODEL SMALL

.DATA

N DW 4

R DW 2

NCR DW 0

.CODE

MOV AX, @DATA

MOV DS, AX

MOV AX, N

MOV BX, R

CALL NCRPRO

CALL DISP

JMP FINAL

NCRPRO PROC ^{NEAR}NAME

CMP AX, BX

JE RES1

CMP BX, 0

JE RES1

CMP BX, 1

JE RESN

DEC AX

CMP BX, AX

JE INCR

PUSH AX

PUSH BX

CALL NCRPRO

POP BX

POP AX

DEC BX

Date _____
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```
PUSH AX
PUSH BX
CALL NCRPRO
POP BX
POP AX
RET
```

```
RES1: INC NCR
RET
```

```
INCR: INC NCR
RESN: ADD NCR, AX
RET
NCRPRO ENDP
```

```
DISP PROC NEAR
    MOV BX, NCR
    ADD BX, 3030H
    MOV DL, BH
    MOV AH, 02H
    INT 21H
    MOV DL, BL
    MOV DL AH, AH, 02H
    INT 21H
    RET
DISP ENDP
```

```
FINAL: MOV AH, 4CH
        INT 21H
        END
```