

MP-lab program - 9

.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

cmp ax, bx ; r = n

je res1

cmp bx, 0 ; r = 0

je res1

cmp bx, 1 ; r = 1

je resn

dec ax

cmp bx, ax

je invc

push ax

push bx

call ncrpro

```
pop bx
pop ax
dec bx
push ax
push bx
call ncrpro
pop bx
pop ax
ret
```

```
res1: inc ncr
ret
```

```
incr: inc ncr
```

```
resn: add ncr, ax ; 1+2 3+3=6
ret
```

```
ncrpro endp
```

```
disp proc near
mov bx, ncr
add bx, 3030h
mov dl, bh
mov al, 02h
int 21h
ret
disp endp
```

```
final: mov ah, 4ch
int 21h
end.
```

————— x —————