LAB PROG:7) NCR

```
.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
       je res1
       cmp bx,0
       je resn
       dec ax
       cmp bx,ax
       je incr
       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
ret
ncrpro 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

$^4C_2 = 6$