



Lab program - 10  
Calculate  $\pi_x$

Name : TUSHAR PATI  
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• MODEL SMALL

• DATA

N DB 05H

R DB 00H

NCRVAL DW 01H DUP(9)

• 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 NCR

RET

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NEXT: XOR BX, BX

MOV BL, CH

ADD AX, BX

RET.

EQUAL: ADD AX, DIH

FINISH: RET.

NCR ENDP

END START.