.model small

.data

X dW 3345H

VAR DB ?

Z DW ?

O DW ?

.code

mov ax,@data

mov ds,ax

MOV AX, X

MOV BX, 00H

MOV CX, 10H

MOV DX, 00H

UP:

ROL AX,1

JC ONE

INC BX

JMP NXT

ONE:

INC DX

NXT:

DEC CX

JNZ UP

MOV Z, BX

MOV O, DX

JMP EXIT

EXIT:MOV AH,4CH

INT 21H

END