.MODEL SMALL

.DATA

VAR DW 6748H

.CODE

MOV AX,@DATA

MOV DS,AX

MOV CL,0

MOV AX,VAR

D1:

SUB AX,2710H

INC CL

CMP AX,2710H

JNC D1

MOV DL,CL

MOV CL,0

D2:

SUB AX,3E8H

INC CL

CMP AX,3E8H

JNC D2

MOV BH,CL

MOV CL,0

D3:

SUB AX,64H

INC CL

CMP AX,64H

JNC D3

MOV BL,CL

MOV CL,0

D4:

SUB AX,0AH

INC CL

CMP AX,0AH

JNC D4

MOV AH,CL

MOV CL,04

ROL BH,CL

ADD BH,BL

MOV CL,04

ROL AH,CL

ADD AH,AL

MOV AL,AH

MOV AH,BH

MOV BX,AX

MOV CL,DL

MOV AH,4CH

INT 21H

END