.model small

.data

a db 0Eh

.code

start: mov ax,@data

mov ds,ax

mov al,a

mov bl,al

add al,bl

xor al,bl

shr al,01

mov cl,02h

mov bl,al

l1: rol bl,04

mov dl,bl

and dl,0fh

cmp dl,09

jbe l2

add dl,07

l2: add dl,30h

mov ah,02h

int 21h

dec cl

jnz l1

mov ah,4ch

int 21h

end start

