.model small

.data

a dw 5102h

b dw 3203h

.code

start: mov ax,@data

mov ds, ax

mov ax, a

mov bx, b

sub al,bl

das

mov bl,al

sbb ah,bh

mov al,ah

das

mov bh,al

mov cx,0404h

l2: rol bx,cl

mov dl,bl

and dl,0fh

cmp dl,09

jbe l4

add dl,07

l4: add dl,30h

mov ah,02

int 21h

dec ch

jnz l2

mov ah,4ch

int 21h

end start

