.8086

.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

