.model small

.data

msg1 db 10,13,"Enter first no.$"

msg2 db 10,13,"Enter second no.$"

msg3 db 10,13,"Addition is:$"

.code

mov ax,@data

mov ds,ax

lea dx,msg1

mov ah,09H

int 21H

mov ah,01H

int 21H

sub al,30H

cmp al,09H

JBE L1

sub al,07H

L1: mov cl,04H

ROL al,cl

mov bl,al

mov ah,01H

int 21H

sub al,30H

cmp al,09H

JBE L2

sub al,07H

L2:ADD bl,al

lea dx,msg2

mov ah,09H

int 21H

mov ah,01H

int 21H

sub al,30H

cmp al,09H

JBE L3

sub al,07H

L3: mov cl,04H

ROL al,cl

mov bh,al

mov ah,01H

int 21H

sub al,30H

cmp al,09H

JBE L4

sub al,07H

L4:ADD bh,al

ADD bl,bh

lea dx,msg3

mov ah,09H

int 21H

mov ch,02H

mov cl,04H

L5:ROL bl,cl

mov bh,bl

AND bl,0FH

cmp bl,09H

JBE L6

ADD bl,07H

L6:ADD bl,30H

mov dl,bl

mov ah,02H

int 21H

mov bl,bh

dec ch

JNZ L5

mov ah,4ch

int 21H

end