.model small

.data

mat1 db 01h,99h,01h,67h,01h,01h,01h,01h,01h

mat2 db 01h,87h,01h,01h,01h,01h,01h,01h,01h

mat3 dw 9 dup(?)

.code

start: mov ax,@data

mov ds,ax

lea si,mat1

lea bx,mat2

lea di,mat3

mov cl,09h

xor ax,ax

l1: mov al,[si]

add al,[bx]

mov dl,al

jnc ncarry

inc dh

ncarry: mov [di],dx

inc si

inc bx

inc di

dec cl

jnz l1

mov ah,4ch

int 21h

end start

