.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

