.8086

.model small

.data

mat1 db 02h,01h,01h,01h,01h,01h,01h,01h,01h

mat2 db 01h,02h,01h,01h,01h,01h,01h,01h,01h

mat3 db 9 DUP(0)

.code

start: mov ax, @data

mov ds, ax

mov ch, 03h

mov cl, 03h

mov bp, 03h

lea bx, mat3

lea si, mat1

lea di, mat2

mul3: mov al, [si]

mov bh, [di]

mul bh

mov bh, 00h

add [bx], al

inc si

add di, 03h

dec cl

done1: jnz mul3

mov dl, [bx]

add dl, 30h

mov ah, 02

int 21h

mov dl, 20h

mov ah, 02

int 21h

inc bx

mov cl, 03h

sub si, 03h

sub di, 08h

dec bp

rdone: jnz mul3

mov dl, 0ah

mov ah, 02

int 21h

mov dl, 0dh

mov ah, 02

int 21h

add si, 03h

sub di, 03h

mov bp, 03h

dec ch

jnz mul3

mov ah, 4ch

int 21h

end start

