.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

