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**19BCE1027**

1)ODD AND EVEN ARRAY

DATA SEGMENT

org 1000h

array db 11h, 22h, 33h, 44h, 55h, 66h, 77h, 88h, 99h, 10h

org 2000h

evn db ?

org 3000h

odd db ?

data ends

CODE SEGMENT

assume cs:code, ds:data

start: mov ax,data

mov ds, ax

lea si, array

lea di, odd

mov ax, 00h

mov cl, 0ah

up: mov al, [si]

mov bl, 02

div bl

cmp ah, 00h

je l1

mov al, [si]

mov [di], al

inc di

l1: inc si

dec cl

jnz up

lea si, array

lea di, evn

mov cl, 0ah

up1: mov al, [si]

mov bl, 02h

div bl

cmp ah, 00h

jne l2

mov al, [si]

mov [di], al

inc di

l2: inc si

dec cl

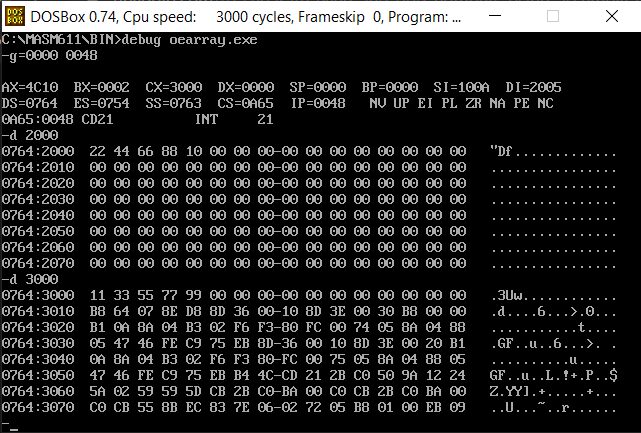
jnz up1

skip: mov ah, 4ch

int 21h

code ends

end start



2)BCD TO ASCII

ASSUME CS:CODE

CODE SEGMENT

START:MOV SI,5000H

MOV AX,[SI]

AND AX,000FH

MOV CL,4

MOV BX,[SI]

SHR BL,CL

MOV AH,BL

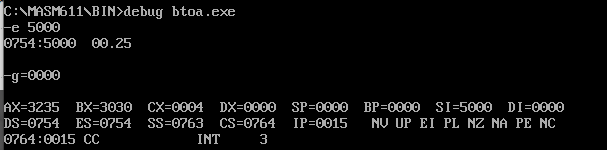
MOV BX,3030H

OR AX,BX

INT 3

CODE ENDS

END START



3)BCD TO HEX

ASSUME CS:CODE

CODE SEGMENT

START:MOV SI,5000H

MOV DI,6000H

MOV BL,[SI]

AND BL,000FH

MOV AL,[SI]

AND AL,00F0H

MOV CL,04

ROR AL,CL

MOV DX,000AH

MUL DX

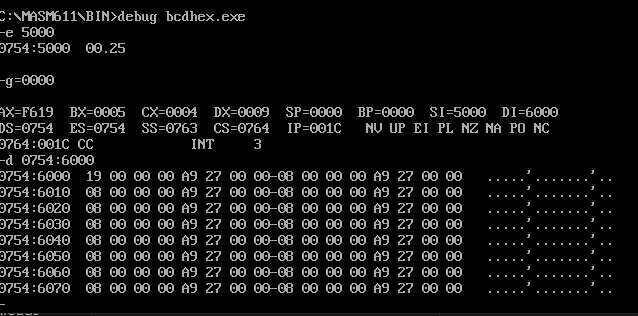
ADD AL,BL

MOV [DI],AL

INT 3

CODE ENDS

END START



4)FIBONACCI

ASSUME CS:CODE

CODE SEGMENT

START:MOV AL,00H

MOV SI,500H

MOV [SI],AL

ADD SI,01H

ADD AL,01H

MOV [SI],AL

MOV CX,[0000H]

SUB CX,0002H

L1: MOV AL,[SI-1]

ADD AL,[SI]

ADD SI,01H

MOV [SI],AL

LOOP L1

INT 3

CODE ENDS

END START

