Сумма положительных элементов байт

DATA SEGMENT PARA PUBLIC 'DATA'

A DB 3,-4,5,-1,2

N DB 5

S DB ?

DATA ENDS

;-----------------------------

STK SEGMENT STACK;

DB 256 DUP(0)

STK ENDS

;-----------------------------

CODE SEGMENT PARA PUBLIC 'CODE'

MAIN PROC

ASSUME CS:CODE, DS:DATA, SS:STK

MOV AX,DATA

MOV DS,AX

XOR AL,AL

XOR BX,BX

MOV CL,N

M2: CMP A[BX],0

JLE M1

ADD AL,A[BX]

M1: INC BX

DEC CL

CMP CL,0

JG M2

MOV S,AL

MOV AX,4C00h

INT 21h

MAIN ENDP

CODE ENDS

END MAINСумма положительных элементов слово

DATA SEGMENT PARA PUBLIC 'DATA'

A DW 3,-4,5,-1,2

N DW 5

S DW ?

DATA ENDS

;-----------------------------

STK SEGMENT STACK

DB 256 DUP(0)

STK ENDS

;-----------------------------

CODE SEGMENT PARA PUBLIC 'CODE'

MAIN PROC

ASSUME CS:CODE, DS:DATA, SS:STK

MOV AX,DATA

MOV DS,AX

XOR AX,AX

XOR BX,BX

MOV CX,N

M2: CMP A[BX],0

JLE M1

ADD AX,A[BX]

M1: ADD BX,2

DEC CX

CMP CX,0

JG M2

MOV S,AX

MOV AX,4C00h

INT 21h

MAIN ENDP

CODE ENDS

END MAINСумма четных байт

DATA SEGMENT PARA PUBLIC 'DATA'

A DB 3,2,5,4

N DB 4

S DB ?

DATA ENDS

;-----------------------------

STK SEGMENT STACK

DB 256 DUP(0)

STK ENDS

;-----------------------------

CODE SEGMENT PARA PUBLIC 'CODE'

MAIN PROC

ASSUME CS:CODE, DS:DATA, SS:STK

MOV AX,DATA

MOV DS,AX

XOR AL,AL

XOR BX,BX

MOV CL,N

M2: TEST A[BX],0000000000000001b

JNZ M1

ADD AL,A[BX]

M1: INC BX

DEC CL

CMP CL,0

JG M2

MOV S,AL

MOV AX,4C00h

INT 21h

MAIN ENDP

CODE ENDS

END MAIN

Сумма четных слово

DATA SEGMENT PARA PUBLIC 'DATA'

A DW 3,4,5,1,2

N DW 5

S DW ?

DATA ENDS

;-----------------------------

STK SEGMENT STACK

DB 256 DUP(0)

STK ENDS

;-----------------------------

CODE SEGMENT PARA PUBLIC 'CODE'

MAIN PROC

ASSUME CS:CODE, DS:DATA, SS:STK

MOV AX,DATA

MOV DS,AX

XOR AX,AX

XOR BX,BX

MOV CX,N

M2: TEST A[BX],0000000000000001b

JNZ M1

ADD AX,A[BX]

M1: ADD BX,2

DEC CX

CMP CX,0

JG M2

MOV S,AX

MOV AX,4C00h

INT 21h

MAIN ENDP

CODE ENDS

END MAIN;Поиск максимального байт

DATA SEGMENT PARA PUBLIC 'DATA'

A DB 3,2,5,4,3

N DB 5

M DB ?

DATA ENDS

;-----------------------------

STK SEGMENT STACK

DB 256 DUP(0)

STK ENDS

;-----------------------------

CODE SEGMENT PARA PUBLIC 'CODE'

MAIN PROC

ASSUME CS:CODE, DS:DATA, SS:STK

MOV AX,DATA

MOV DS,AX

;XOR AX,AX

XOR BX,BX

MOV CL,N

MOV AL,A[0]

INC BX

M2: CMP A[BX],AL

JNG M1

MOV AL,A[BX]

M1: INC BX

DEC CL

CMP CL,1

JG M2

MOV M,AL

MOV AX,4C00h

INT 21h

MAIN ENDP

CODE ENDS

END MAINПоиск маскимального слово

DATA SEGMENT PARA PUBLIC 'DATA'

A DW 3,2,5,7,3

N DW 5

M DW ?

DATA ENDS

;-----------------------------

STK SEGMENT STACK

DB 256 DUP(0)

STK ENDS

;-----------------------------

CODE SEGMENT PARA PUBLIC 'CODE'

MAIN PROC

ASSUME CS:CODE, DS:DATA, SS:STK

MOV AX,DATA

MOV DS,AX

XOR AX,AX

XOR BX,BX

MOV CX,N

MOV AX,A[0]

ADD BX,2

M2: CMP A[BX],AX

JNG M1

MOV AX,A[BX]

M1: ADD BX,2

DEC CX

CMP CX,1

JG M2

MOV M,AX

MOV AX,4C00h

INT 21h

MAIN ENDP

CODE ENDS

END MAIN

Мод пузырька байт

DATA SEGMENT PARA PUBLIC 'DATA'

A DB 1,2,3,4,5

N DW 5

DATA ENDS

;-----------------------------

STK SEGMENT STACK

DB 256 DUP(0)

STK ENDS

;-----------------------------

CODE SEGMENT PARA PUBLIC 'CODE'

MAIN PROC

ASSUME CS:CODE, DS:DATA, SS:STK

MOV AX,DATA

MOV DS,AX

MOV DX,N

DEC DX

MOV CX,N

DEC CX

MOV DI,1

M3: XOR BX,BX

XOR AH,AH

M2: MOV AL,A[BX]

CMP AL,A[BX+1]

JLE M1

INC AH

XCHG AL,A[BX+1]

MOV A[BX],AL

M1: INC BX

CMP BX,CX

JLE M2

CMP AH,0

JE M4

INC DI

DEC CX

CMP DI,DX

JLE M3

M4:

MOV AX,4C00h

INT 21h

MAIN ENDP

CODE ENDS

END MAINВставками байт

DATA SEGMENT PARA PUBLIC 'DATA'

A DB 1,5,3,2,4

N DW 5

DATA ENDS

;-----------------------------

STK SEGMENT STACK

DB 256 DUP(0)

STK ENDS

;-----------------------------

CODE SEGMENT PARA PUBLIC 'CODE'

MAIN PROC

ASSUME CS:CODE, DS:DATA, SS:STK

MOV AX,DATA

MOV DS,AX

MOV DI,1

XOR BX,BX

M3: MOV AL,A[DI]

MOV BX,DI

DEC BX

M1: CMP BX,0

JL M2

CMP AL,A[BX]

JGE M2

MOV AH,A[BX] ;MOV A[BX+1],A[BX]

MOV A[BX+1],AH

DEC BX

JMP M1

M2: MOV A[BX+1],AL

INC DI

CMP DI,N-1

JLE M3

MOV AX,4C00h

INT 21h

MAIN ENDP

CODE ENDS

END MAINПузырек байт

DATA SEGMENT PARA PUBLIC 'DATA'

A DB 1,2,3,4,5

N DW 5

DATA ENDS

;-----------------------------

STK SEGMENT STACK

DB 256 DUP(0)

STK ENDS

;-----------------------------

CODE SEGMENT PARA PUBLIC 'CODE'

MAIN PROC

ASSUME CS:CODE, DS:DATA, SS:STK

MOV AX,DATA

MOV DS,AX

MOV DX,N

DEC DX

MOV CX,N

DEC CX

XOR DI,DI

M3: XOR BX,BX

XOR AH,AH

M2: MOV AL,A[BX]

CMP AL,A[BX+1]

JLE M1

INC AH

XCHG AL,A[BX+1]

MOV A[BX],AL

M1: INC BX

CMP BX,CX

JLE M2

CMP AH,0

JE M4

INC DI

DEC CX

CMP DI,DX

JL M3

M4:

MOV AX,4C00h

INT 21h

MAIN ENDP

CODE ENDS

END MAIN