**Abdullah Qadri**

**K17-3922**

**Section: E**

**Quiz E**

)

INCLUDE Irvine32.inc

.data

mat DWORD 3 DUP(3 DUP(0))

msg1 BYTE "Loose",0

msg2 BYTE "Win",0

.code

main PROC

mov ecx,LENGTHOF mat

mov esi,OFFSET mat

L1:

Call ReadDec

mov [esi],eax

add esi,4

Loop L1

mov ecx,2

mov esi,OFFSET mat

L2:

mov eax,[esi]

mov ebx,[esi+4]

inc eax

cmp eax,ebx

JE L5

Loop L2

mov ecx,2

mov esi,OFFSET mat+12

L3:

mov eax,[esi]

mov ebx,[esi+4]

inc eax

cmp eax,ebx

JE L5

Loop L3

mov ecx,2

mov esi,OFFSET mat+24

L4:

mov eax,[esi]

mov ebx,[esi+4]

inc eax

cmp eax,ebx

JE L5

Loop L4

JMP L6

L5:

mov edx,OFFSET msg1

Call WriteString

JMP L7

L6:

mov esi,OFFSET mat

mov edi,OFFSET mat+12

inc DWORD PTR[esi]

mov eax,[edi]

cmp [esi],eax

JE L5

inc DWORD PTR[edi]

mov esi,OFFSET mat+24

mov eax,[edi]

CMP eax,[esi]

JE L5

mov esi,OFFSET mat+4

mov edi,OFFSET mat+16

inc DWORD PTR[esi]

mov eax,[edi]

cmp [esi],eax

JE L5

inc DWORD PTR[edi]

mov esi,OFFSET mat+28

mov eax,[edi]

CMP eax,[esi]

JE L5

mov esi,OFFSET mat+8

mov edi,OFFSET mat+20

inc DWORD PTR [esi]

mov eax,[edi]

cmp [esi],eax

JE L5

inc DWORD PTR[edi]

mov esi,OFFSET mat+32

mov eax,[edi]

CMP eax,[esi]

JE L5

mov edx,OFFSET msg2

Call WriteString

L7:

exit

main ENDP

END main