2.1

（2）寄存器寻址，寄存器间接寻址

（4）寄存器寻址，基址加变址寻址

（5）变址寻址，寄存器寻址

（6）寄存器寻址，直接寻址

2.2

指令 目的操作数地址 执行前 执行后

MOV AX, 3 0AAH 3

SUB WORD PTR[AX],3 - 错误

ADD WORD PTR[EAX],3 100AAH 2H 5H

ADD BH, 2 0 2

SUB EBP, 2 5000H 4FFEH

SUB [CX],DX 错误

ADD DI, 2 6000H 6002H

SUB SI, 10 4000H 3FF6H

MOV [BX],BX 100BBH 200H 0BBH

MOV ES:[DX],BX 错误

MOV [DI], DX 16000H 300H 0DDH

MOV ES:[SI],DS 24000H 400H 1000H

MOV DX, SS 0DDH 1000H

MOV EAX, EIP 错误

SUB 2[DX], AX 错误

ADD 500[BP],CX 35500H 355H 421H

SUB [SI -300H], AX 13D00H 0F13DH 0F093H

MOV [AX+2], BX 错误

MOV [DI+1000H],SI 17000H 0F13DH 4000H

MOV [CX – 100H], AX 错误

MOV [DX + 60], AX 错误

MOV -8[BX],CX 100B3H 0F8BBH 0CCH

MOV ES:1000[DI], BP 27000H 270H 5000H

MOV [BP+SI],DX 39000H 39H 0DDH

MOV [DI + SI], DX 错误

MOV [EDI+ESI],DX 1A000H 1AH 0DDH

MOV [BX+DI],10H 错误

MOV [BX + DI], DX 160BBH 0 0DDH

2.3

BUF2: 0 1 2 3 4 5 6 7 8 9

BUF3: 1 2 3 4 5 6 7 8 9 10

BUF4: 4 5 6 7 8 9 10 11 12 13 14

2.4 （ESI也可用EDI，EBX, EDX）

.386

STACK SEGMENT USE16 STACK

DB 200 DUP(0)

STACK ENDS

DATA SEGMENT USE16

BUF1 DB 0,1,2,3,4,5,6,7,8,9

BUF2 DB 10 DUP(0)

BUF3 DB 10 DUP(0)

BUF4 DB 10 DUP(0)

DATA ENDS

CODE SEGMENT USE16

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

START: MOV AX,DATA

MOV DS,AX

MOV ESI,0

MOV ECX,10

LOOPA: MOV AL,BUF1[ESI]

MOV BUF2[ESI],AL

INC AL

MOV BUF3[ESI],AL

ADD AL,3

MOV BUF4[ESI],AL

INC ESI

DEC ECX

JNZ LOOPA

MOV AH,4CH

INT 21H

CODE ENDS

END START

3.1

|  |  |  |
| --- | --- | --- |
| STR1 | 00 | 0 |
| 01 | 1 |
| 02 | 2 |
| 03 | 3 |
| 04 | 4 |
| 05 | 5 |
| STR2 | 30H | 6 |
| 31H | 7 |
| 32H | 8 |
| 33H | 9 |
| 34H | 0AH |
| 35H | 0BH |
| NUMB | 02 | 0CH |
| 02 | 0DH |
| 02 | 0EH |
| NUMW | 10H | 0FH |
| 00 | 10H |
| 0A0H | 11H |
| 0FFH | 12H |
| POIN | 00 | 13H |
| 00 | 14H |

3.2

变量的偏移地址，是变量所在段的段首址到该变量所占存储单元的字节距离。变量的值，是变量所占存储单元中的存储内容。

地址 值

STR1 0 0

STR2 6 30H

NUMB 0CH 2

NUMW 0FH 10H

POIN 13H 0

3.4

DATA\_SEG SEGMENT USE16

STR DB ‘PERSONAL COMPUTER!’

A1 DB 28H

B1 DB 40

C1 01101010

D1 DB 10 DUP(5)

E1 DW -5, 10, -80

DATA ENDS