

אסמבלר

[illegible][illegible]

אסמבלר

| תרגיל 3 | AL | | BX | | SI | ZF | CF | | |
|---------------------|----|-----|-----|-----|-------|----|----|---------|--------|
| מעקב תוכנית עם תנאי | AH | AL | BH | BL | | | | Address | Memory |
| MOV SI, 2000H | | | | | 2000H | | | 2000H | 25H |
| MOV BX, 3000H | | | 30H | 00H | | | | 2001H | 20H |
| MOV AL, [SI] | | 25H | | | | | | 3000H | 7H |
| INC SI | | | | | 2001H | 0 | | | |
| SUB AL, [SI] | | 05H | | | | 0 | 0 | | |
| JC SMALL | | | | | | | | | |
| MOV [BX], 7H | | | | | | | | | |
| JMP END | | | | | | | | | |
| SMALL: | | | | | | | | | |
| SUB [BX], 8H | | | | | | | | | |
| END: | | | | | | | | | |

```

MOV SI, 4000H
MOV BX, 3000H
MOV AL, [SI]
INC SI
ADD AL, [SI]
SUB AL, [BX]
MOV BX, 1000H
JZ SMALL
JC SMALL
MOV [BX], 7H
JMP END
SMALL:
MOV [BX], -7H
END:

```

כתיבת תוכנית תרגיל מספר 4

אסמבלר

תרגיל 5

```
MOV SI, 2000H
MOV AL, [SI]
INC SI
ADD AL, [SI]
MOV SI, 3000H
MOV BL, [SI]
INC SI
SUB BL, [SI]
MOV SI, 1000H
SUB AL, BL
JZ SMALL
JC SMALL
MOV [SI], 70H
MOV [SI + 1], 70H
JMP END
SMALL:
MOV [SI], 30H
MOV [SI + 1], 30H
END:
```

כתיבת תוכנית תרגיל מספר 5

תרגיל 6

```
MOV SI, 200H
MOV BX, 205H
MOV AL, [SI]
INC SI
MOV AH, [SI]
INC SI
SUB AH, AL
JC NEXT
MOV [BX], 90H
JMP END
NEXT:
SUB [SI], AL
JC BIGEST
MOV [BX], 90H
JMP END
BIGEST:
MOV [BX], 80H
END:
```

כתיבת תוכנית תרגיל מספר 6

אסמבלר

תרגיל 7

```
MOV SI, 1000H
ADD AL, [SI]
INC SI
ADD AL, [SI]
INC SI
ADD AL, [SI]
INC SI
SUB AL, 89H
JC SMALL
JZ SMALL
MOV [SI], 20H
JMP END
SMALL:
MOV [SI], 17H
END:
```

כתיבת תוכנית תרגיל מספר 7

תרגיל 8

```
MOV SI, 4000H
ADD AL, [SI]
INC SI
ADD AL, [SI]
MOV SI, 5000H
ADD BL, [SI]
INC SI
ADD BL, [SI]
MOV SI, 6000H
SUB AL, BL
JC SMALL
JZ SMALL
MOV SI, 88H
JMP SOF
SMALL:
SUB [SI], 12H
SOF :
```

כתיבת תוכנית תרגיל מספר 8