

אסמבלר

[illegible][illegible]

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תרגיל 3	AL		BX		SI	ZF	CF		
	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:

```

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:
```

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:
```

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:
```

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 :
```