

תרגיל 1		AL		BX		<mark>SI</mark>	<b>ZF</b>	<b>CF</b>		
		AH	AL	BH	BL				<b>Address</b>	<b>Memory</b>
MOV	SI, 1000H					1000H			1000H	25H
MOV	AH, [SI]	25H							1001H	25H
INC SI						1001H	0		1002H	0H
MOV	AL, [SI]		25H					/	<b>*</b>	
MOV	BL, 69H				69H					
INC SI						1002H	0			
ADD	AL, AH		4A				0	0		
SUB	AL, BL		E1H				0	1		
JC SMAI	JC SMALL									
MOV	[SI], 255									
JMP SOI	=									
SMALL:										
MOV	[SI], OH					·				
SOF:								•		

תרגיל 2	AL		BX		<mark>SI</mark>	<b>ZF</b>	<b>CF</b>		
	AH	${f AL}$	BH	<b>BL</b>				<b>Address</b>	<b>Memory</b>
MOV SI, 1000H					1000H			1000H	25H
MOV AL, [SI]		25H						1001H	25H
INC SI					1001H	0		1002H	25H
MOV AH, [SI]	25H							<b>▼</b> 1003H	OH
INC SI					1002H	0	$\setminus$		
MOV BX, 1003H			10H	03H					
SUB AL, AH		00H				1	0		
JZ NEXT									
MOV [BX], 255									
JMP END									
NEXT:									
SUB AH, [SI]	00H					1	0		
JZ Equal									
MOV [BX], 255									
JMP SOF									
Equal:									
MOV [BX], 0H				OH					
END:									



תרגיל 3	AL		BX		SI	<b>ZF</b>	<b>CF</b>		
	<mark>AH</mark>	<mark>AL</mark>	BH	BL				Address	<b>Memory</b>
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
JC SMALL
MOV [BX], 7H
JMP END
SAMALL:
MOV [BX], -7H
END:

## <mark>אסמבלר</mark>

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 SMAL
JC SMALL
MOV [SI], 70H
MOV [SI + 1], 70H
JMP END
SMALL:
MOV [SI], 30H
MOV [SI + 1], 30H
END:
```

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:

תרגיל 6

## <mark>אסמבלר</mark>

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:
```