Time					US .				2 us
clk=1		<u>nninnninnnninn</u>						תיתתיתתית	
counter[3:0]=5	X1X2X3X4X5X6X7X8X9XAX0	<u>X1 X2 X3 X4 X5 X6 X7 X8 X9 XA X0 X1 X2 X3 X4 X5</u>	(6)(7)(8)(9)(A)(0)(1)(2)(3)(4	X5X6X7X8X9XAX0X1X2X3X4X5X	6X7X8X9XAX0X1X2X3X4X	X6X7X8X9XAX0X1X2X3X4X5X6)	(7X8X9XAX0X1X2X3X4X5X6X7X8	<u> </u>	3 <b>)</b> 9 <b>)</b> A)(0)1)2)3)
InstrOut[31:0]=14450003		(38020002	X38010002	X00411020	X14450003	(00411020	X14450003	X00A11822	χ+
ALUOp[2:0]=001	(1010	·		<b>X</b> 000	(001	<b>X</b> 000	(001	·	
register1[31:0]=2	XXX		(2	<u> </u>		<u>.</u>			
register2[31:0]=4	XXX	)2	·	<b>X</b> 4			<b>X</b> 6		
register3[31:0]=XXX	XXX								(4
register5[31:0]=6	XXX (6								
RegWrite=0									
Branch=1									
zero=0									