Example Load/Store Instructions

Control PC 0x3FB2 N1 Z0 P0 IR 0110 0111 0011 1100

Register File			
R0	0x3FB5	R4	0x3FC8
R1	0x9F08	R5	0x0000
R2	0xFFFF	R6	0x8000
R3	0xCAFE	R7	0x4242
Control			

PC 0x3FB2 N1 Z0 P0
IR 0011 0110 0001 0000

Register File				
R0	0x3FB5	R4	0x3FC8	
R1	0x9F08	R5	0x0000	
R2	0xFFFF	R6	0x8000	
R3	0xCAFE	R7	0x4242	

Control				
PC	0x3FB2 N 1 Z 0 P 0]		
IR	0111 0110 0001 0000]		

Register File				
R0	0x3FB5		0x3FC8	
R1	0x9F08	R5	0x0000	
R2	0xFFFF	R6	0x8000	
R3	0xCAFE	R7	0x4242	

Control			
PC	0x3FB2	N1 Z0 P0	
IR	1011 011	.0 0001 0000	

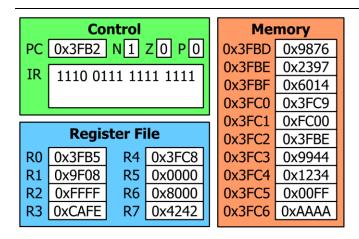
Register File			
	0x3FB5		0x3FC8
R1	0x9F08	R5	0x0000
R2	0xFFFF	R6	0x8000
R3	0xCAFE	R7	0x4242

Memory		
0x3FBD	0x9876	
0x3FBE	0x2397	
0x3FBF	0x6014	
0x3FC0	0x3FC9	
0x3FC1	0xFC00	
0x3FC2	0x3FBE	
0x3FC3	0x9944	
0x3FC4	0x1234	
0x3FC5	0x00FF	
0x3FC6	0xAAAA	

метогу		
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0x3FBE	0x2397	
0x3FBF	0x6014	
0x3FC0	0x3FC9	
0x3FC1	0xFC00	
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0x3FC4	0x1234	
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0x3FC6	0xAAAA	

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0x3FBE	0x2397	
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0x3FC1	0xFC00	
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0x3FC3	0x9944	
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0x3FC1	0xFC00	
0x3FC2	0x3FBE	
0x3FC3	0x9944	
0x3FC4	0x1234	
0x3FC5	0x00FF	
0x3FC6	0xAAAA	



Example Programming With Load/Store Instructions

.ORIG x0200

START

```
BR START ; repeat the program

A .FILL x42 ; start of the array
.FILL b111
.FILL #-3
.END
```