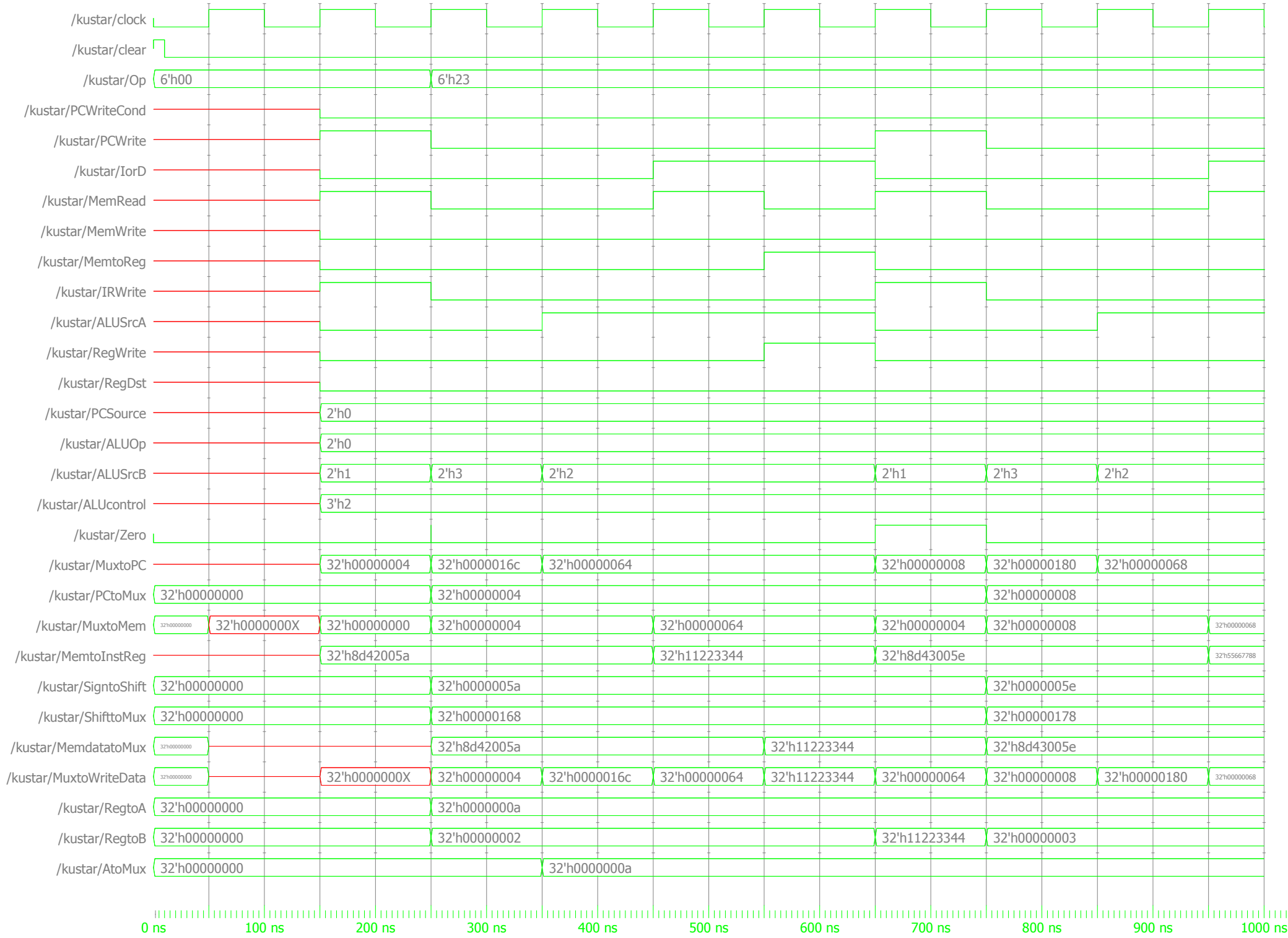

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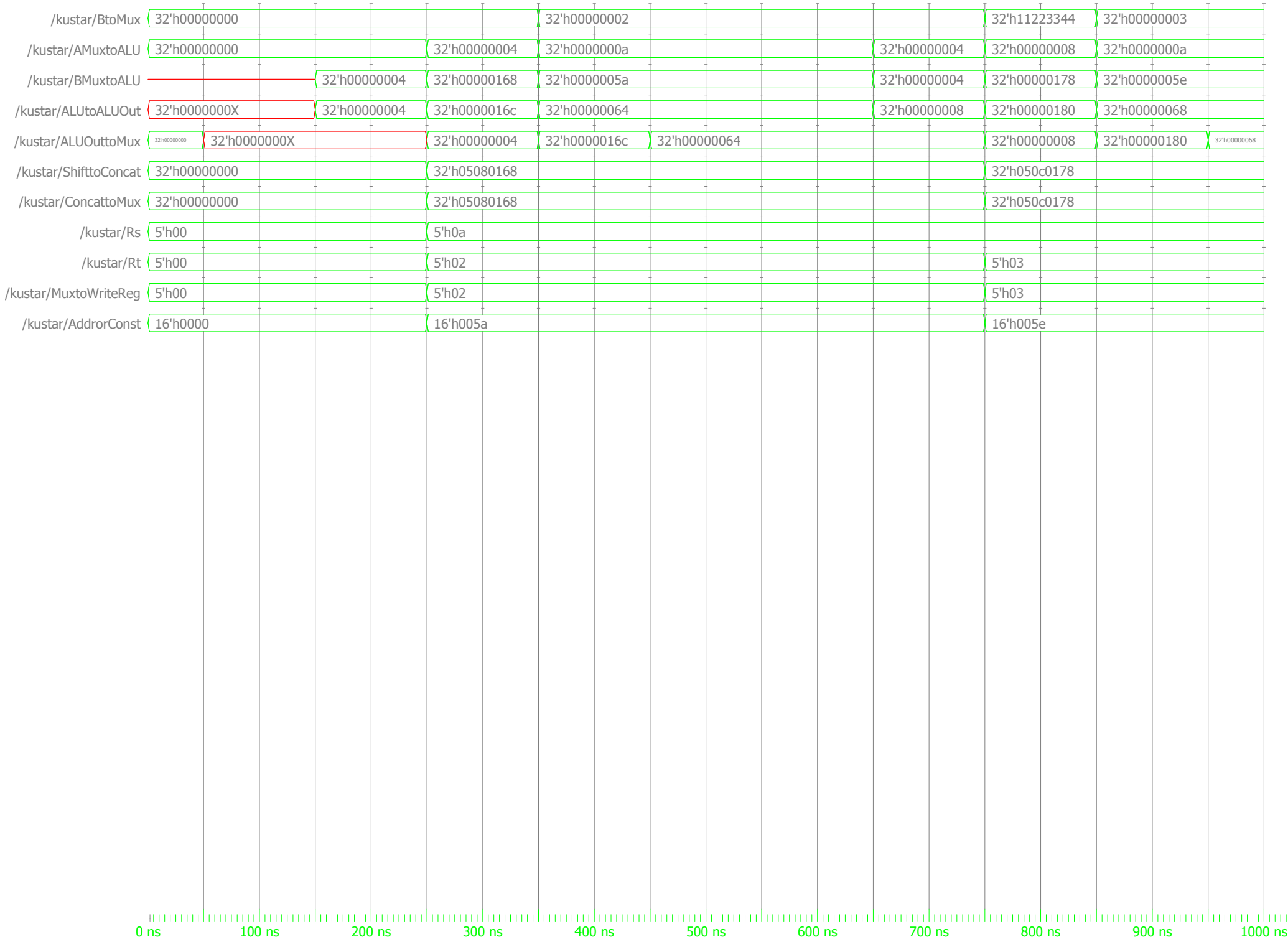

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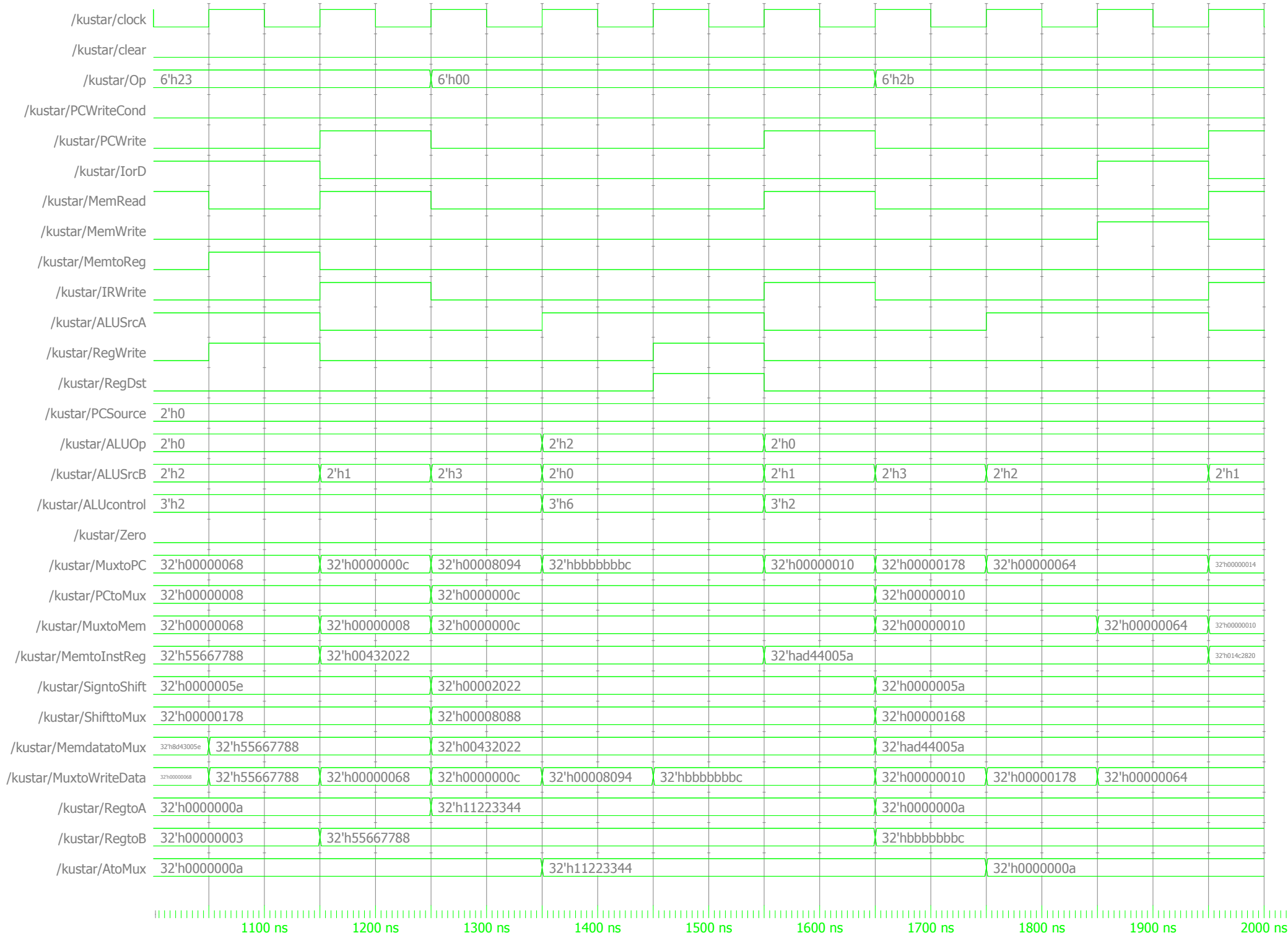

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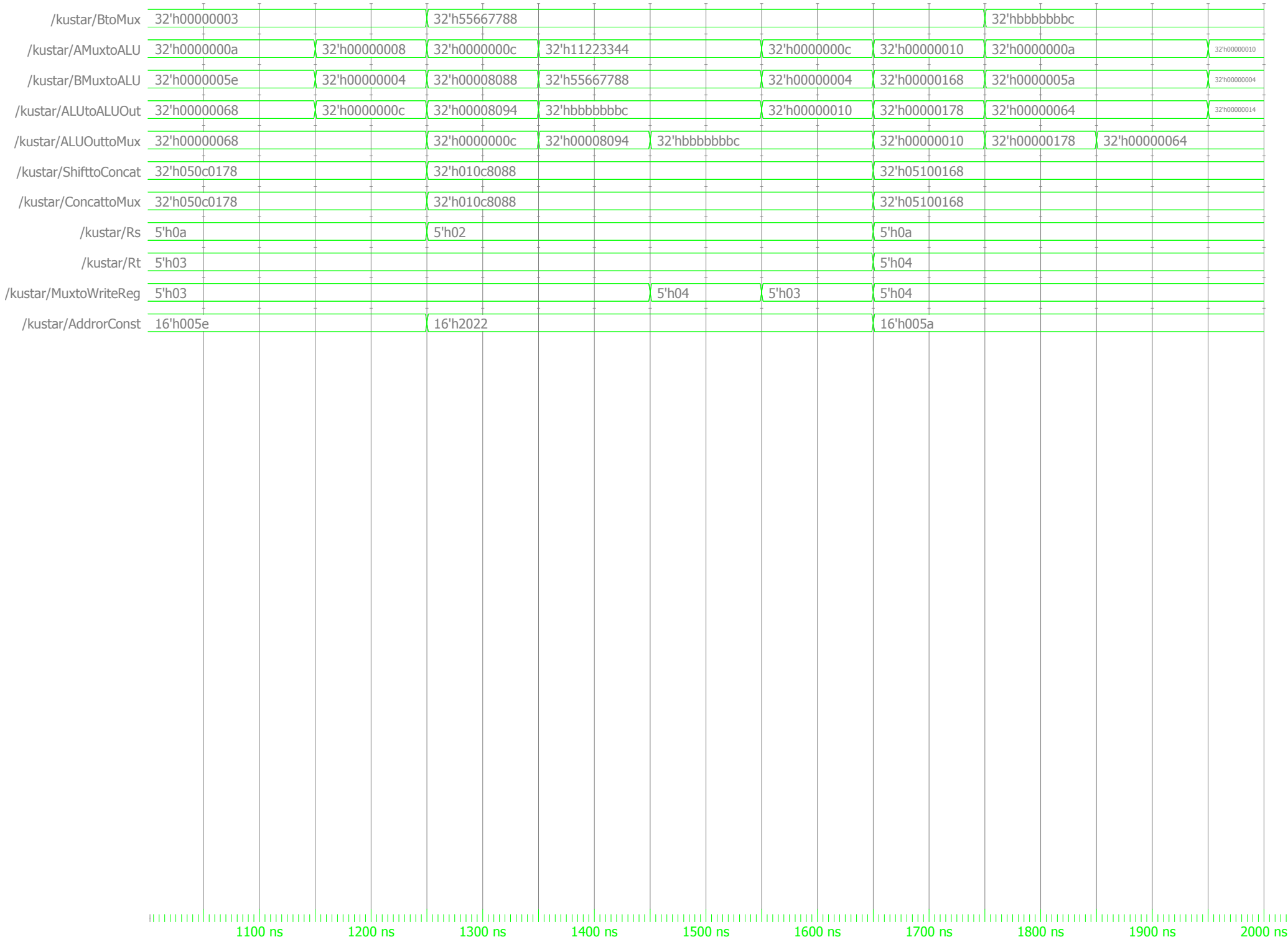

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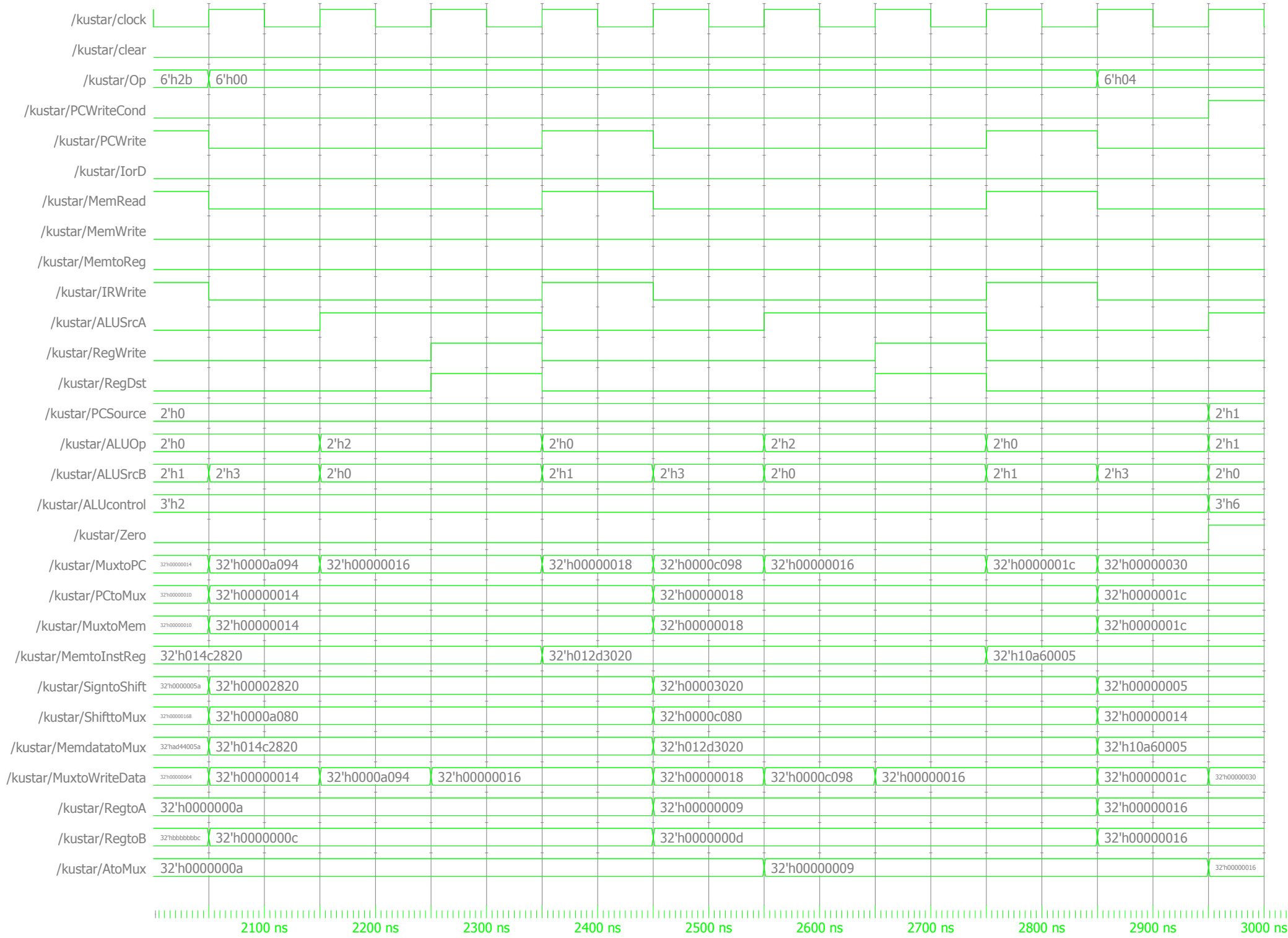

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/kustar/ALUtoALUOut	32'h00000014	32'h0000a094	32'h00000016			32'h00000018	32'h0000c098	32'h00000016		32'h0000001c	32'h00000030	32'h00000000
/kustar/ALUOuttoMux	32'h00000064	32'h00000014	32'h0000a094	32'h00000016			32'h00000018	32'h0000c098	32'h00000016		32'h0000001c	32'h00000030
/kustar/ShifttoConcat	32'h05100168	32'h0530a080					32'h04b4c080				32'h02980014	
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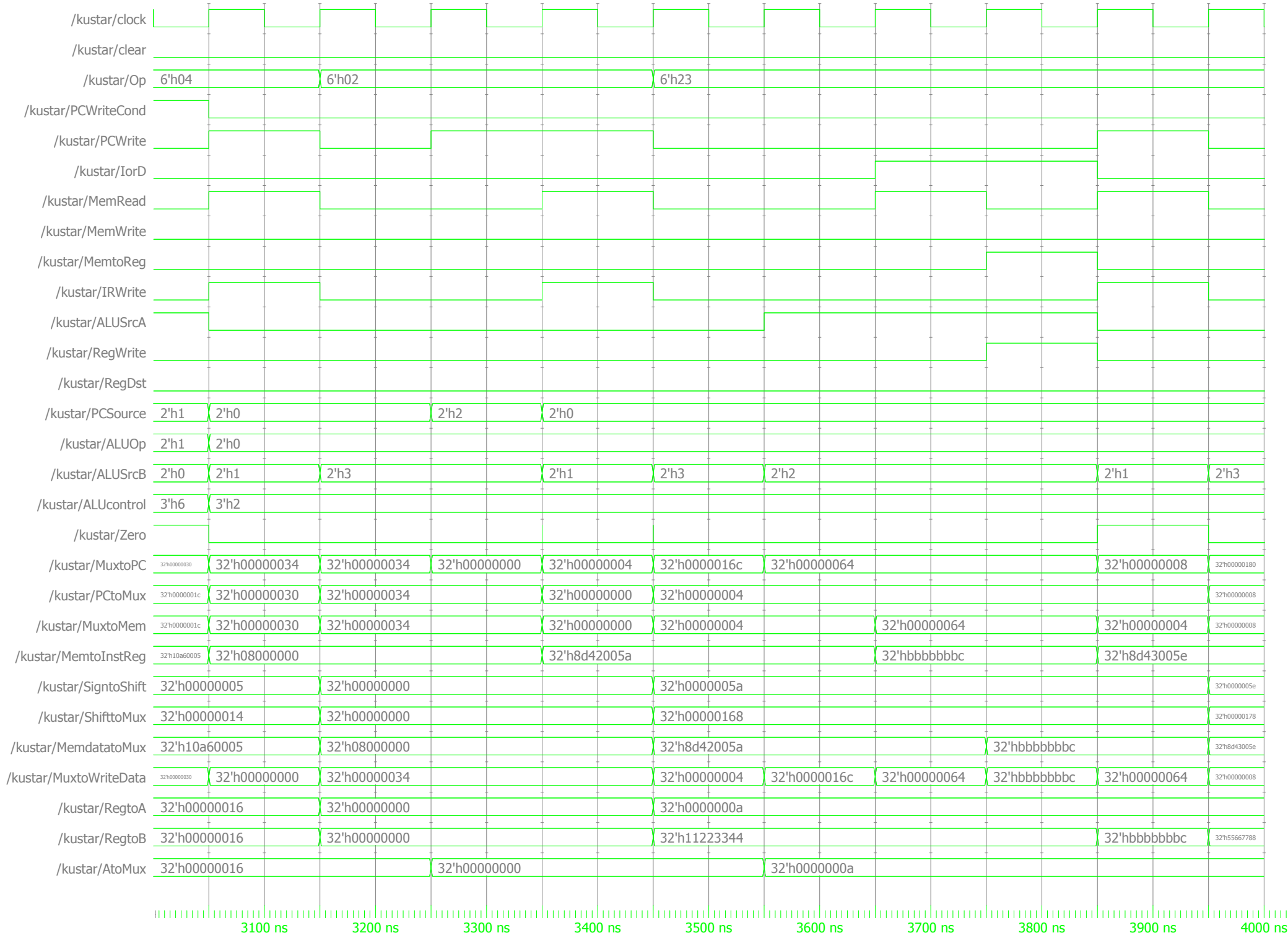
/kustar/Rs	5'h0a						5'h09				5'h05	
/kustar/Rt	5'h04	5'h0c					5'h0d				5'h06	
/kustar/MuxtoWriteReg	5'h04	5'h0c			5'h05	5'h0c	5'h0d		5'h06	5'h0d	5'h06	
/kustar/AddrorConst	16'h005a	16'h2820					16'h3020				16'h0005	

2100 ns 2200 ns 2300 ns 2400 ns 2500 ns 2600 ns 2700 ns 2800 ns 2900 ns 3000 ns



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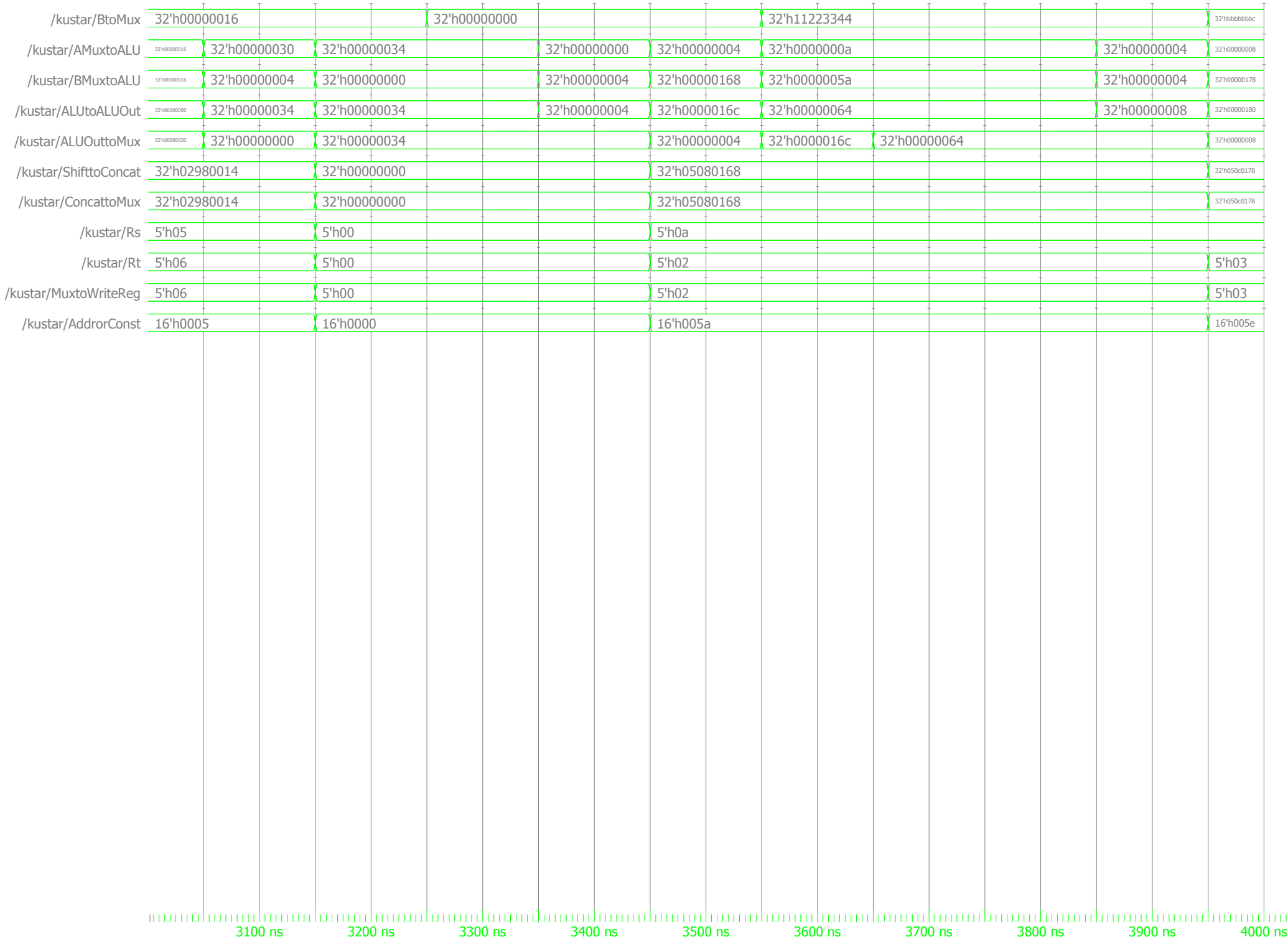

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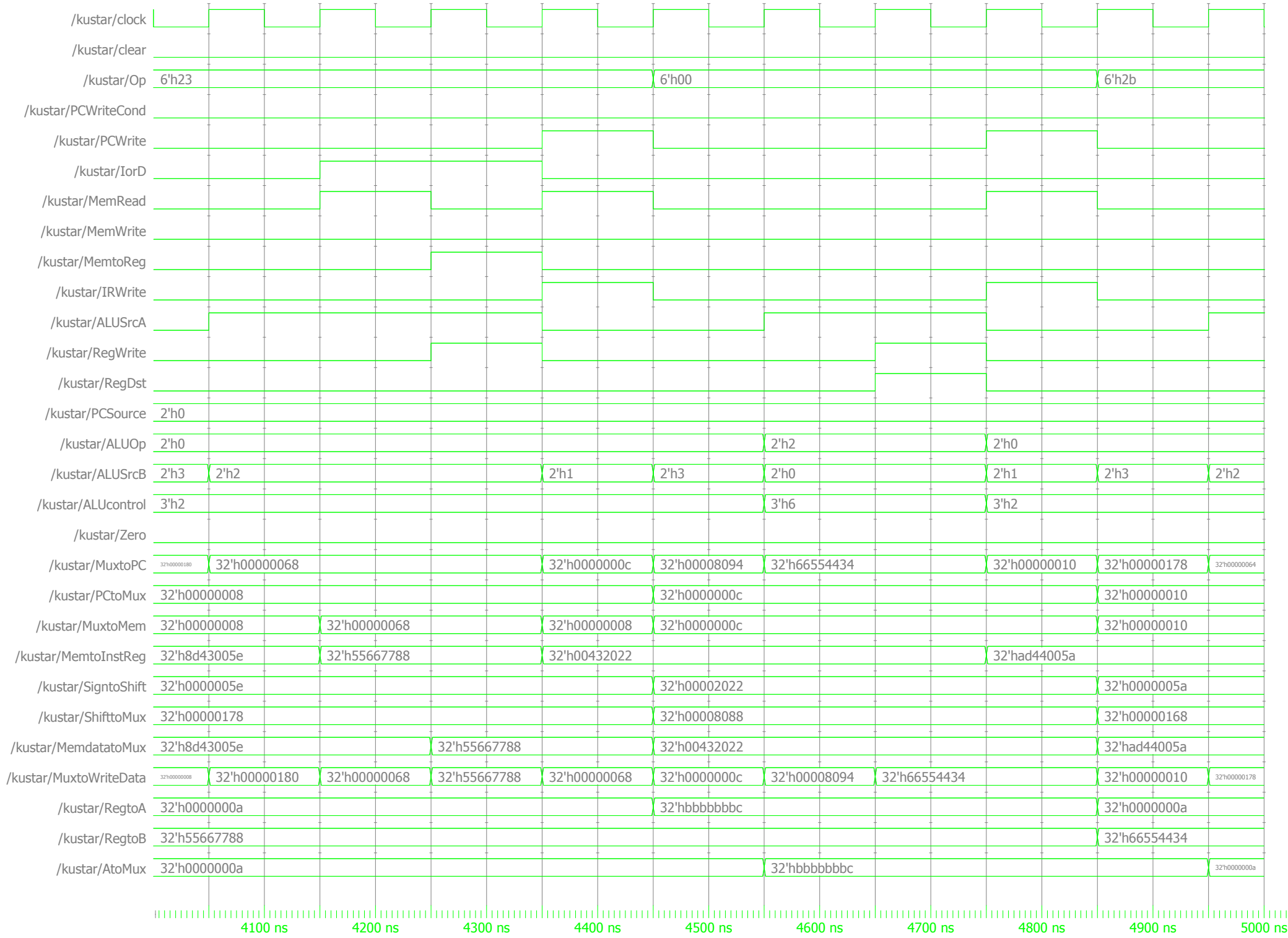

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/kustar/BMuxtoALU	32'h00000178	32'h0000005e					32'h00000004	32'h00008088	32'h55667788			32'h00000004	32'h00000168			32'h0000005a
/kustar/ALUtoALUOut	32'h00000180	32'h00000068					32'h0000000c	32'h00008094	32'h66554434			32'h00000010	32'h00000178			32'h00000064
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/kustar/ShifttoConcat	32'h050c0178							32'h010c8088					32'h05100168			
/kustar/ConcattoMux	32'h050c0178							32'h010c8088					32'h05100168			
/kustar/Rs	5'h0a							5'h02					5'h0a			
/kustar/Rt	5'h03												5'h04			
/kustar/MuxtoWriteReg	5'h03									5'h04		5'h03	5'h04			
/kustar/AddrorConst	16'h005e							16'h2022					16'h005a			

4100 ns 4200 ns 4300 ns 4400 ns 4500 ns 4600 ns 4700 ns 4800 ns 4900 ns 5000 ns

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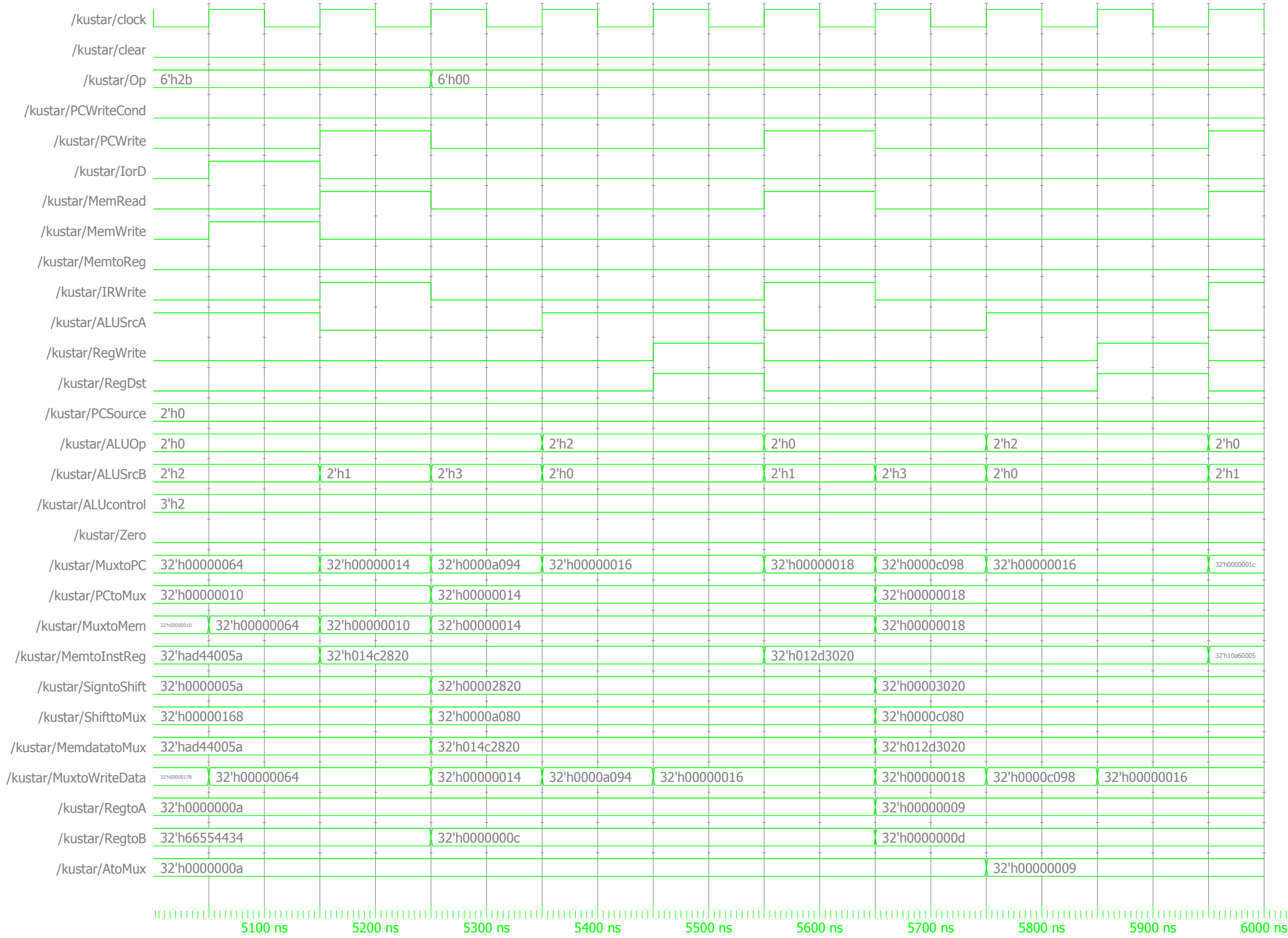

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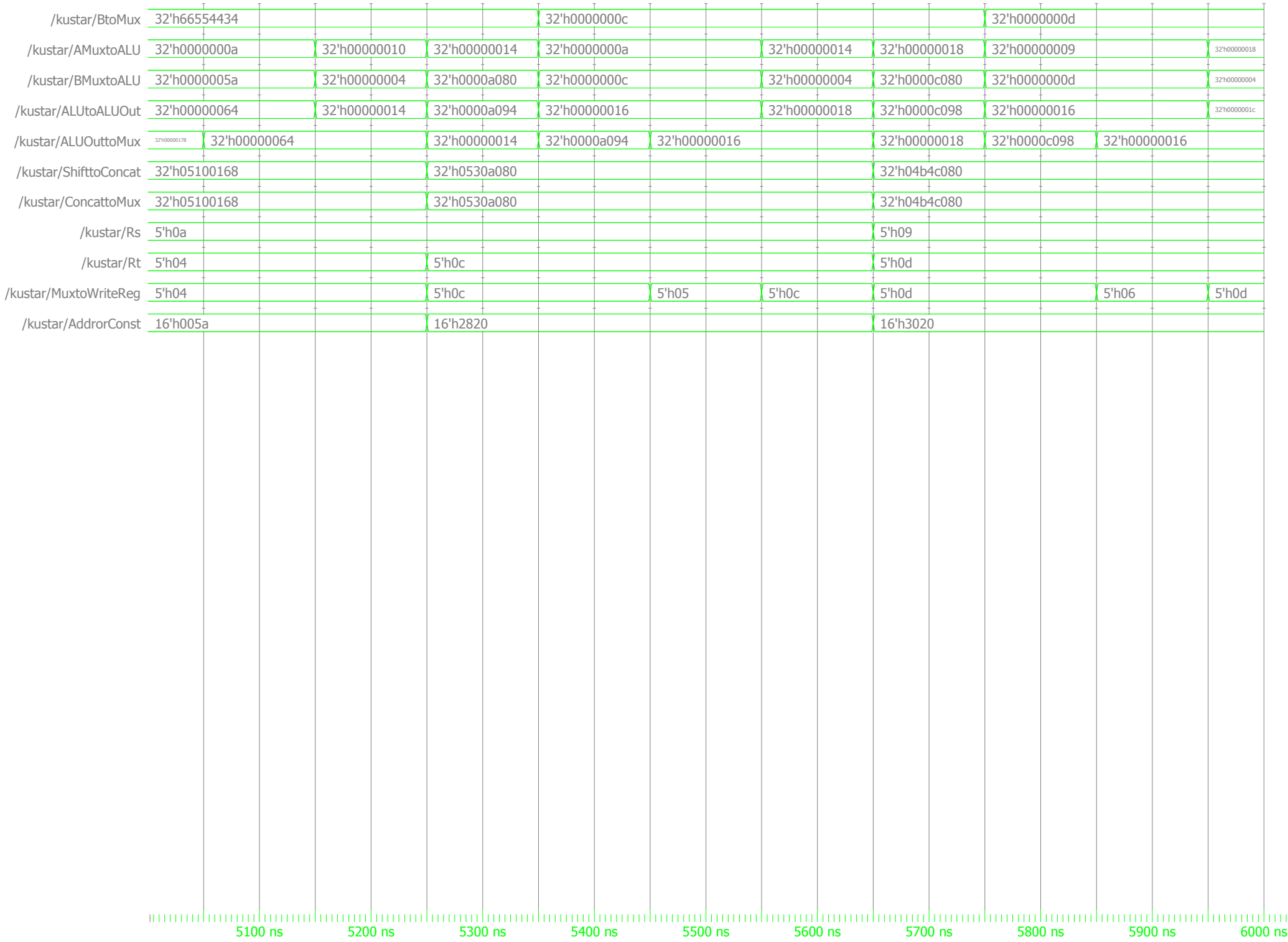

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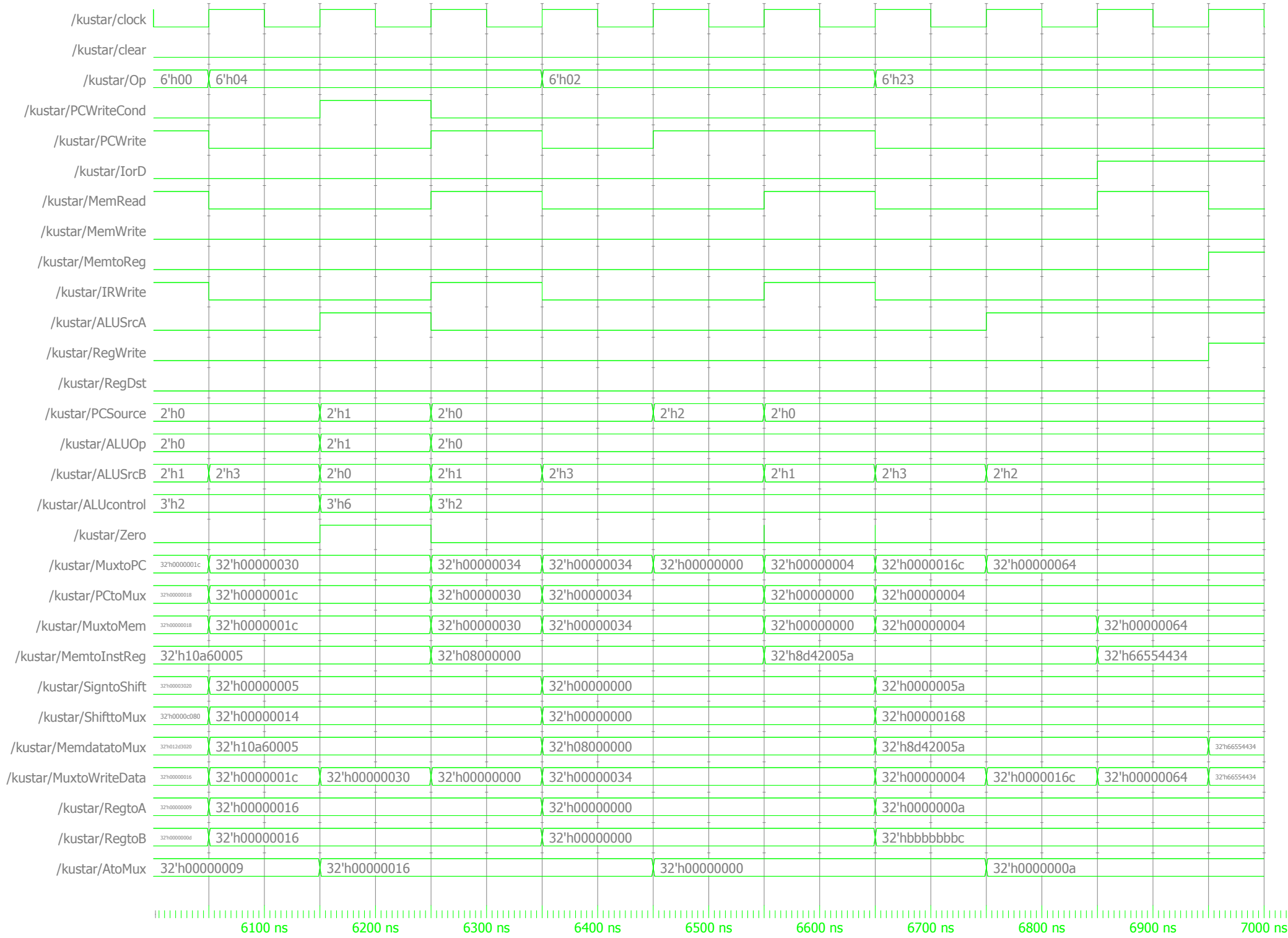
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/kustar/clear
/kustar/Op 6'h00 6'h04 6'h02 6'h23
/kustar/PCWriteCond
/kustar/PCWrite
/kustar/IorD
/kustar/MemRead
/kustar/MemWrite
/kustar/MemtoReg
/kustar/IRWrite
/kustar/ALUSrcA
/kustar/RegWrite
/kustar/RegDst
/kustar/PCSource 2'h0 2'h1 2'h0 2'h2 2'h0
/kustar/ALUOp 2'h0 2'h1 2'h0
/kustar/ALUSrcB 2'h1 2'h3 2'h0 2'h1 2'h3 2'h1 2'h3 2'h2
/kustar/ALUcontrol 3'h2 3'h6 3'h2
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/kustar/MuxtoPC 32'h0000001c 32'h00000030 32'h00000034 32'h00000034 32'h00000000 32'h00000004 32'h0000016c 32'h00000064
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/kustar/MemdatatoMux 32'h012d3020 32'h10a60005 32'h08000000 32'h8d42005a 32'h66554434
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/kustar/RegtoA 32'h00000009 32'h00000016 32'h00000000 32'h0000000a
/kustar/RegtoB 32'h0000000d 32'h00000016 32'h00000000 32'hbbbbbbbc
/kustar/AtoMux 32'h00000009 32'h00000016 32'h00000000 32'h0000000a
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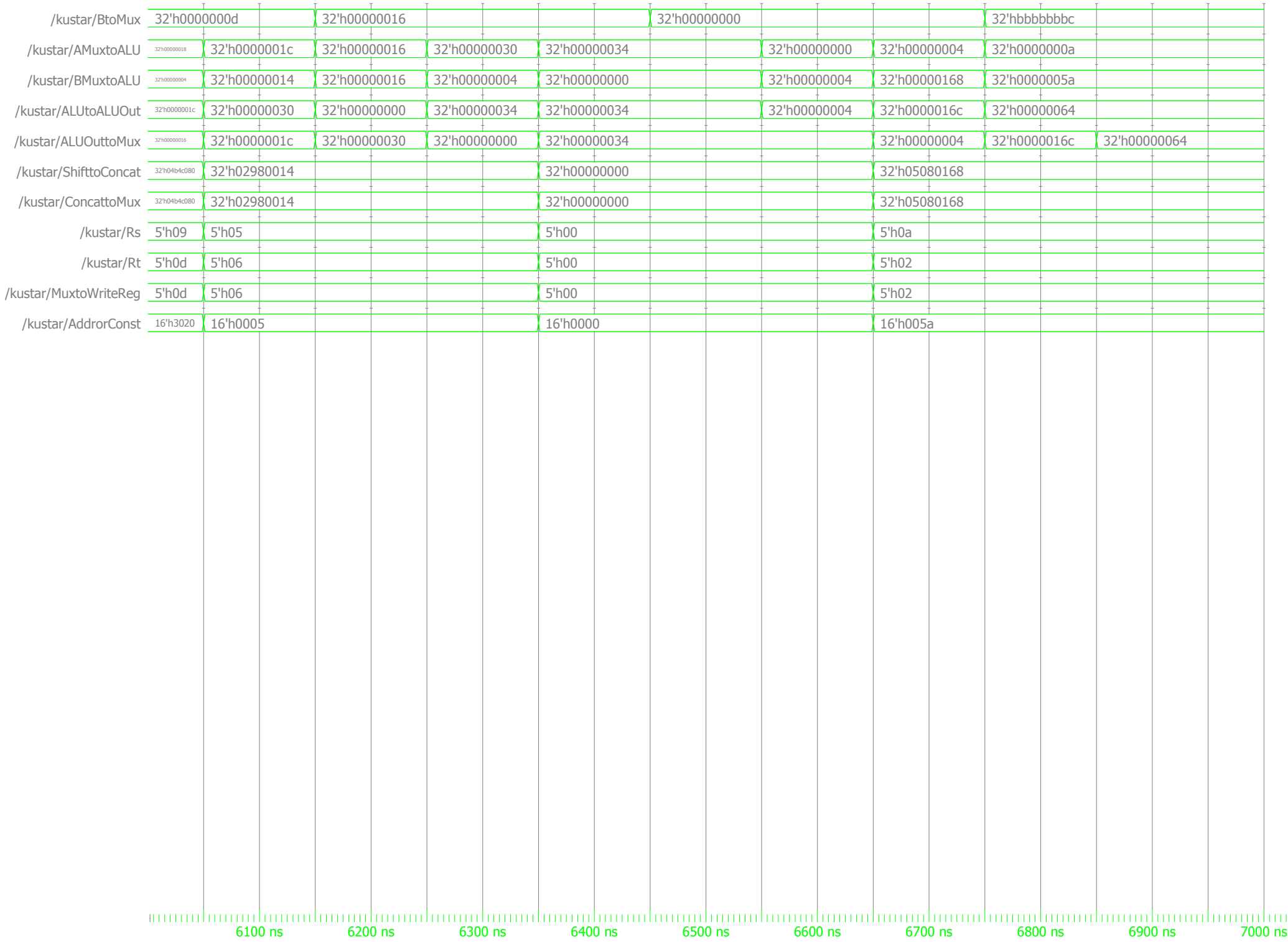
6200 ns
6300 ns
6400 ns
6500 ns
6600 ns
6700 ns
6800 ns
6900 ns
7000 ns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5'h02
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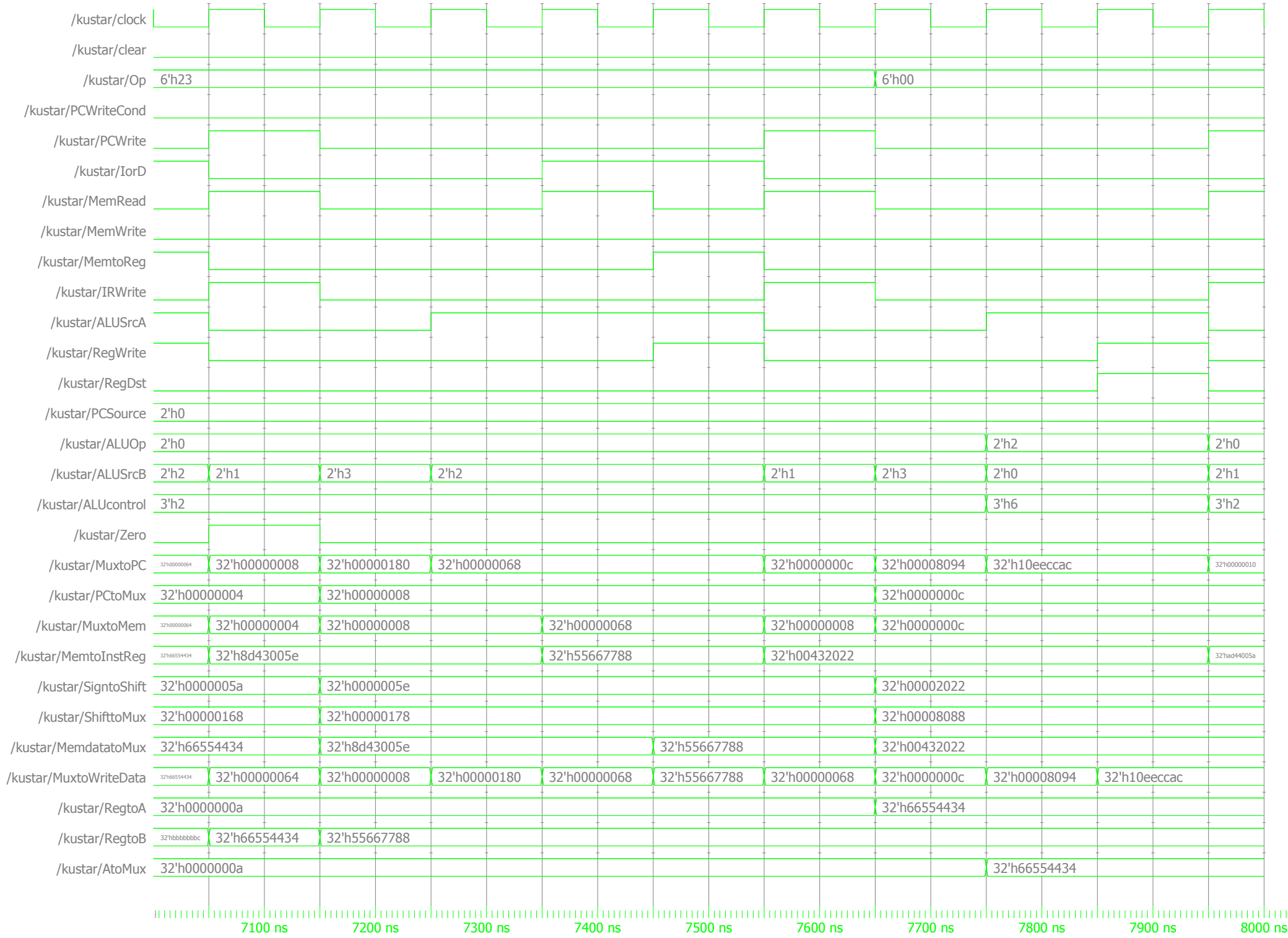

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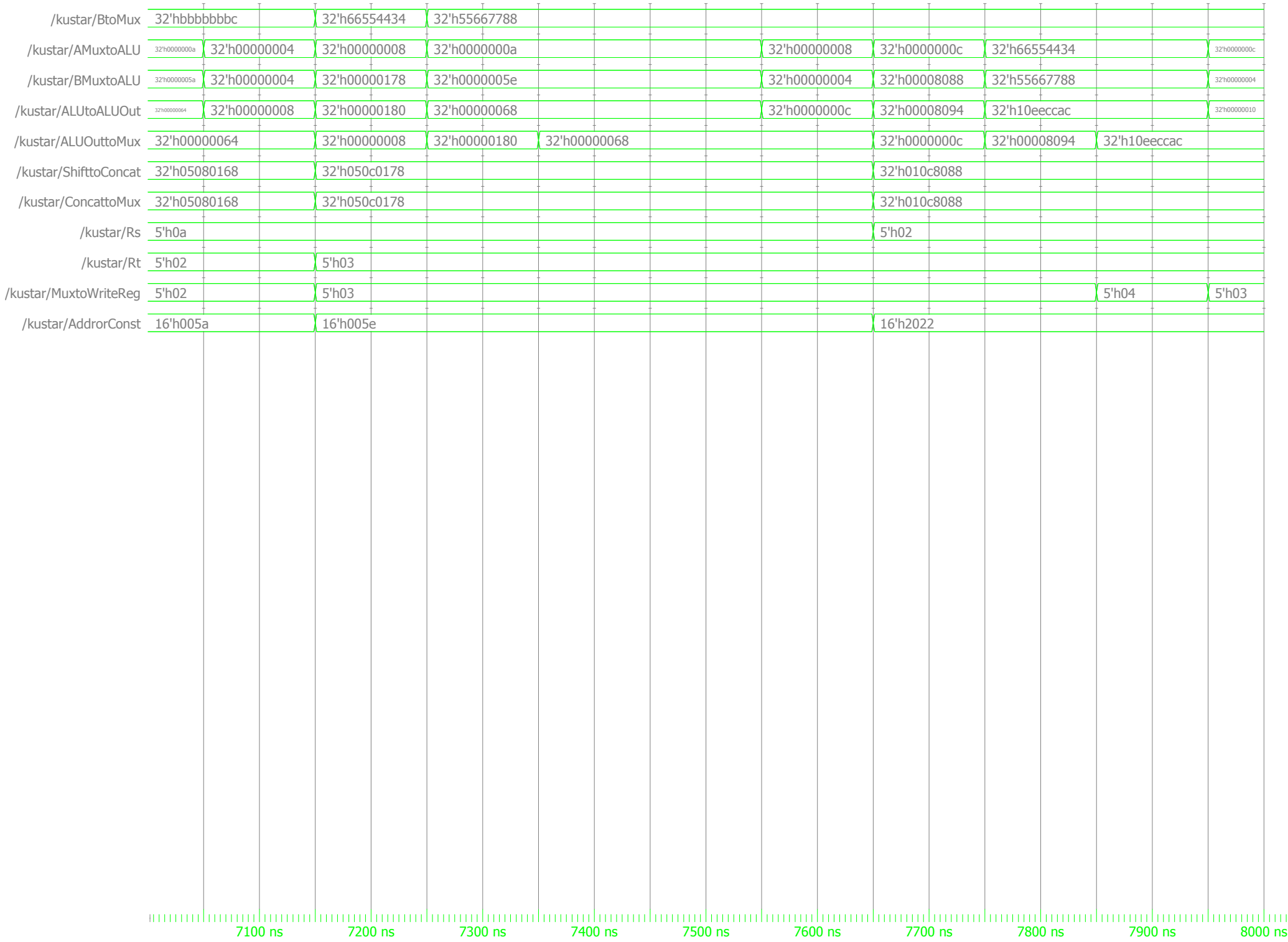
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5'h0a
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/kustar/Rt
5'h02
5'h03
/kustar/MuxtoWriteReg
5'h02
5'h03
5'h04
5'h03
/kustar/AddrorConst
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7600 ns
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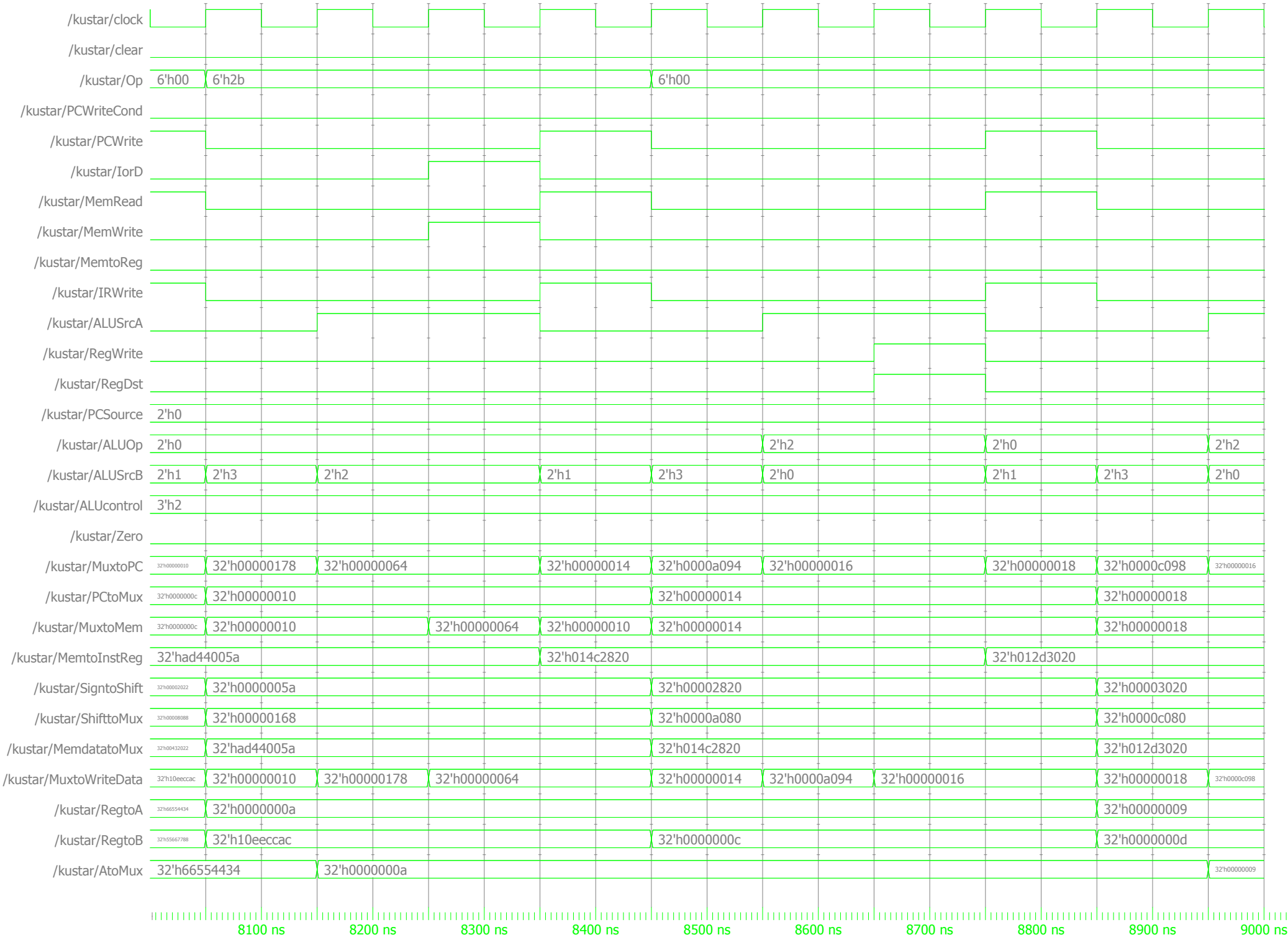
7800 ns
7900 ns
8000 ns



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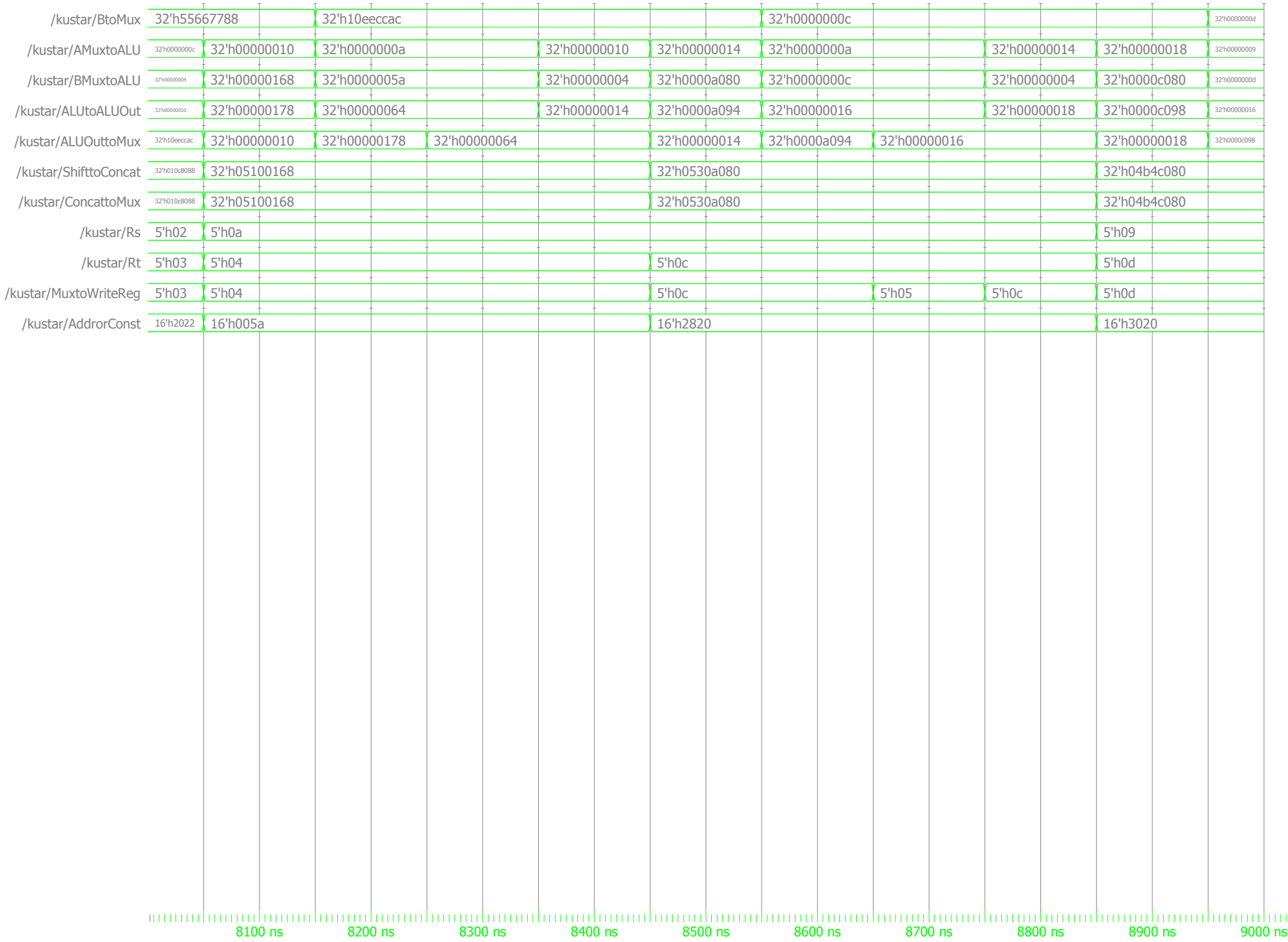
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/kustar/Rt
5'h03
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5'h03
5'h04
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5'h0c
5'h0d
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16'h2022
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16'h2820
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8400 ns
8500 ns
8600 ns
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8900 ns
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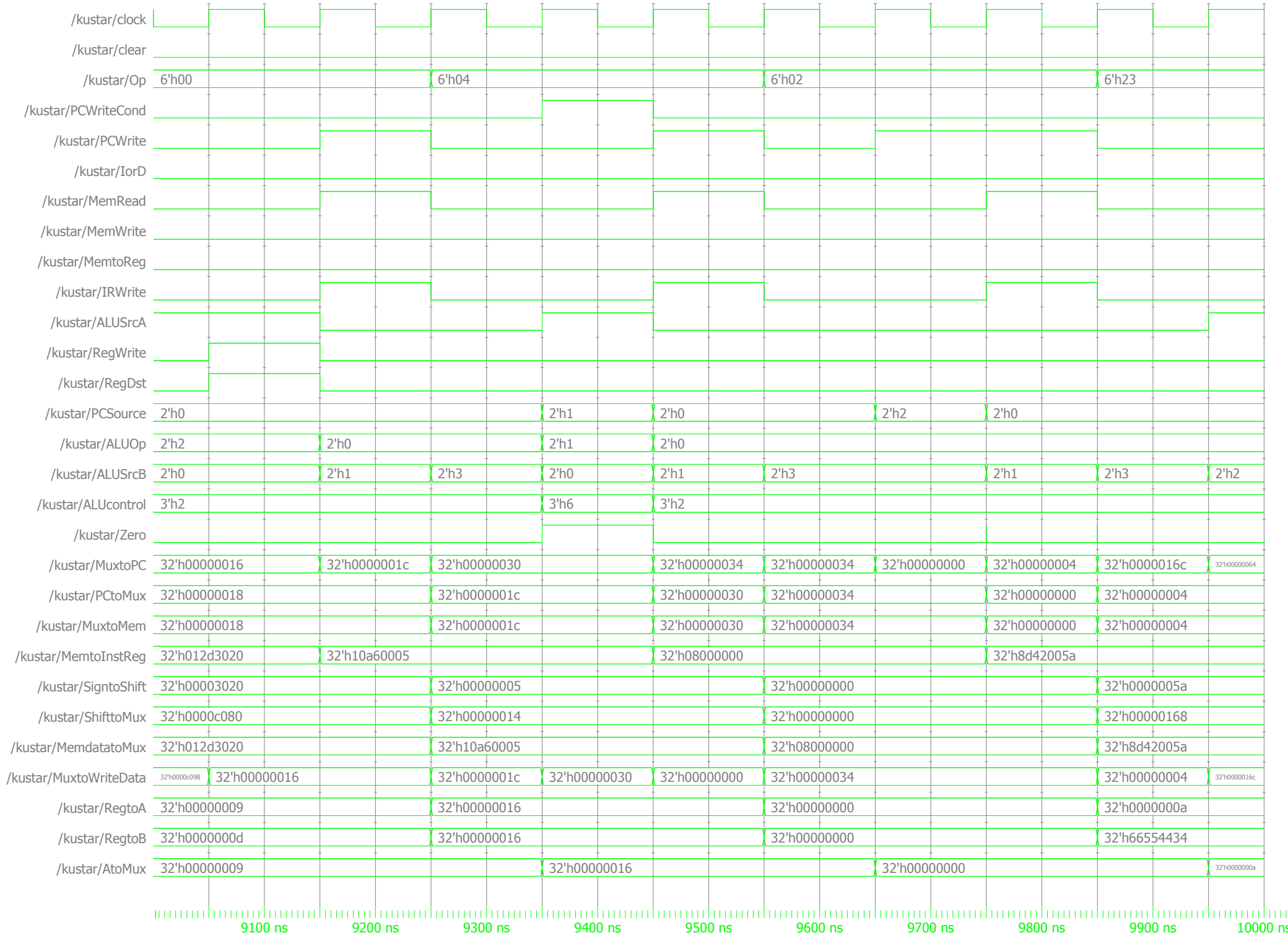

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/kustar/AMuxtoALU	32'h00000009		32'h00000018		32'h0000001c	32'h00000016	32'h00000030	32'h00000034		32'h00000000	32'h00000004	32'h0000000a
/kustar/BMuxtoALU	32'h0000000d		32'h00000004		32'h00000014	32'h00000016	32'h00000004	32'h00000000		32'h00000004	32'h00000168	32'h0000005a
/kustar/ALUtoALUOut	32'h00000016		32'h0000001c		32'h00000030	32'h00000000	32'h00000034	32'h00000034		32'h00000004	32'h0000016c	32'h00000064
/kustar/ALUOuttoMux	32'h0000c098	32'h00000016			32'h0000001c	32'h00000030	32'h00000000	32'h00000034			32'h00000004	32'h0000016c
/kustar/ShifttoConcat	32'h04b4c080				32'h02980014			32'h00000000			32'h05080168	
/kustar/ConcattoMux	32'h04b4c080				32'h02980014			32'h00000000			32'h05080168	
/kustar/Rs	5'h09				5'h05			5'h00			5'h0a	
/kustar/Rt	5'h0d				5'h06			5'h00			5'h02	
/kustar/MuxtoWriteReg	5'h0d	5'h06	5'h0d		5'h06			5'h00			5'h02	
/kustar/AddrorConst	16'h3020				16'h0005			16'h0000			16'h005a	

9100 ns 9200 ns 9300 ns 9400 ns 9500 ns 9600 ns 9700 ns 9800 ns 9900 ns 10000 ns