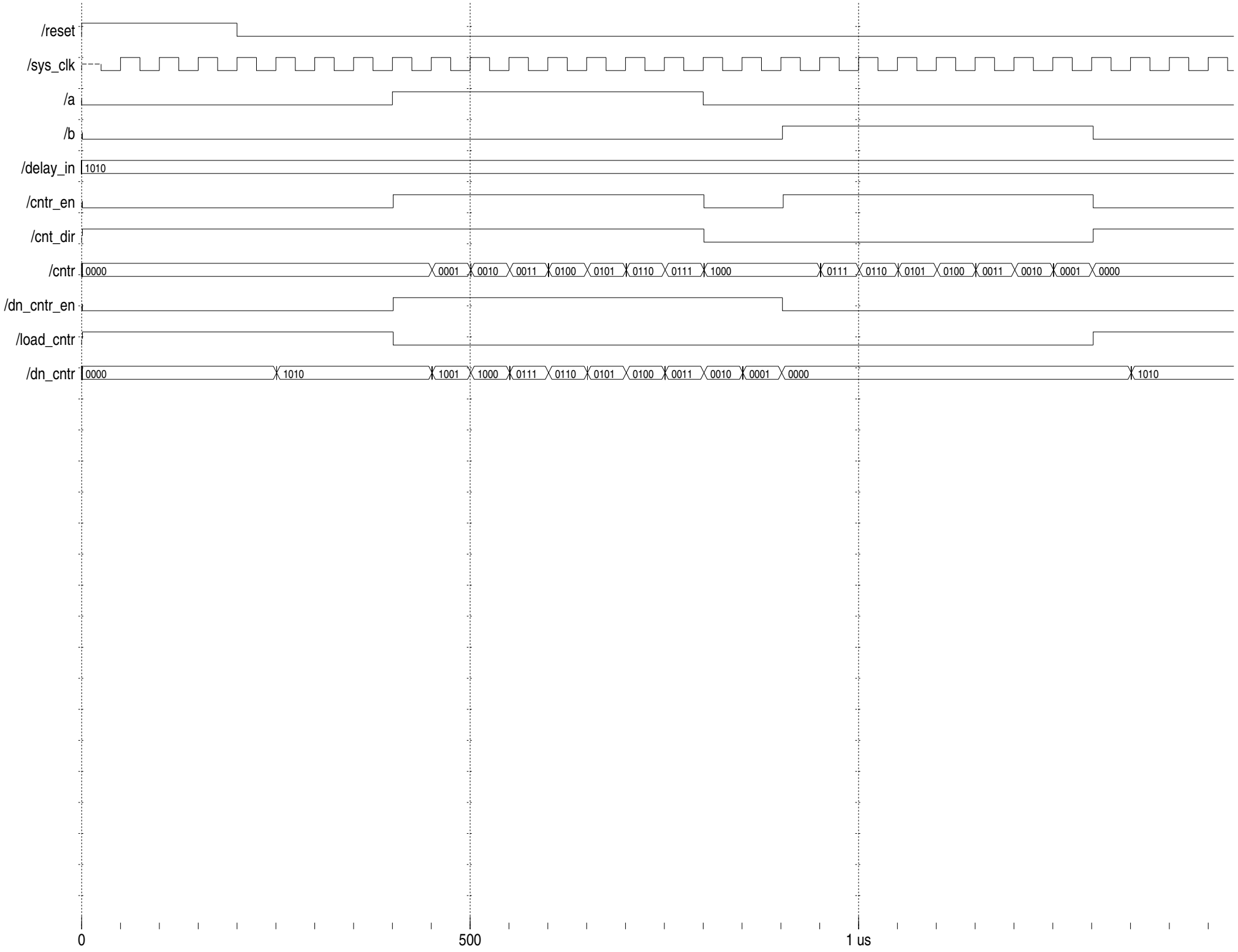
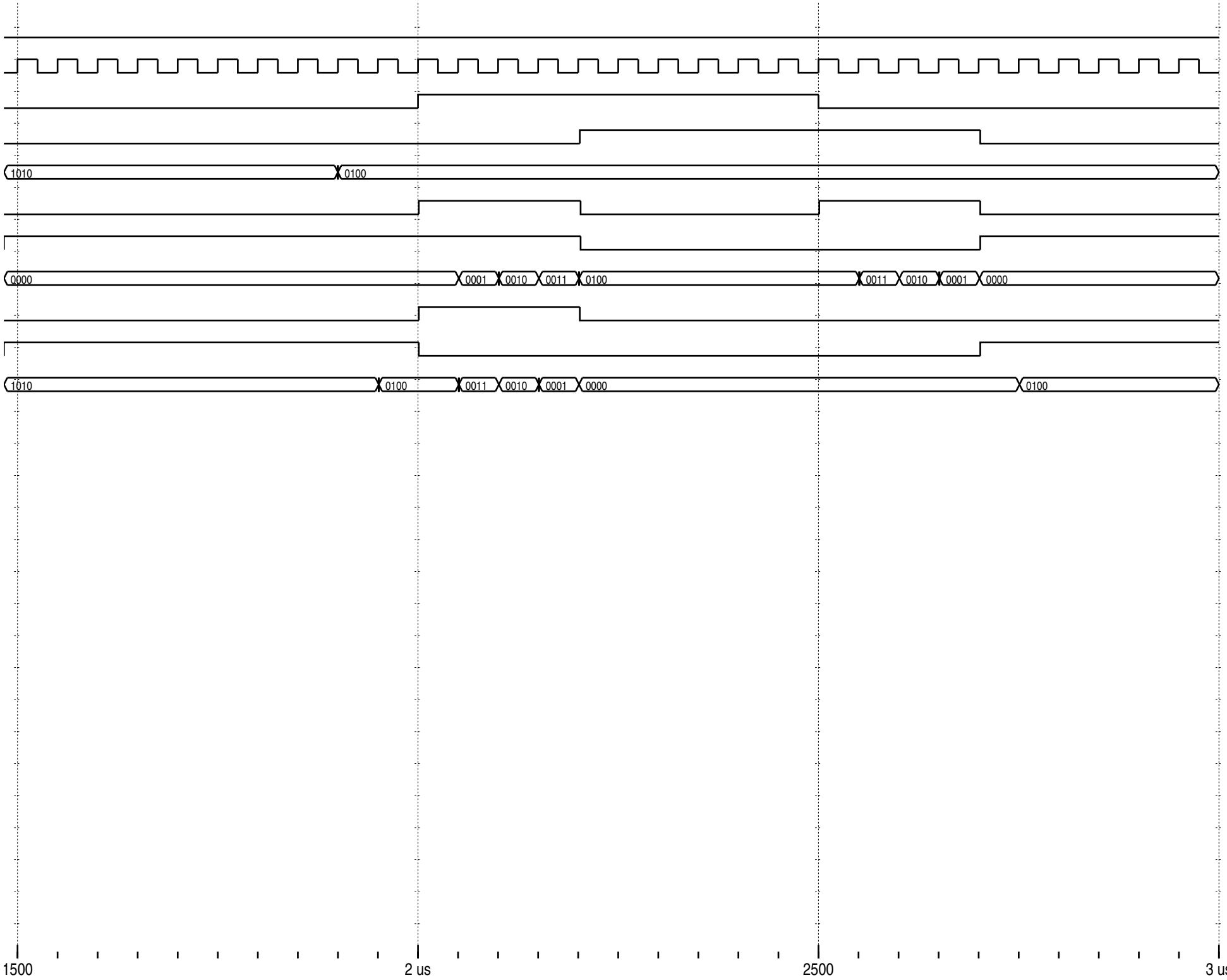

/reset
/sys_clk
/a
/b
/delay_in
1010
/cntr_en
/cnt_dir
/cntr
0000
0001
0010
0011
0100
0101
0110
0111
1000
0111
0110
0101
0100
0011
0010
0001
0000
/dn_cntr_en
/load_cntr
/dn_cntr
0000
1010
1001
1000
0111
0110
0101
0100
0011
0010
0001
0000
1010
0
500
1 us


1010
0100
0000
0001
0010
0011
0100
0011
0010
0001
0000
1010
0100
0011
0010
0001
0000
0100
1500
2 us
2500
3 us