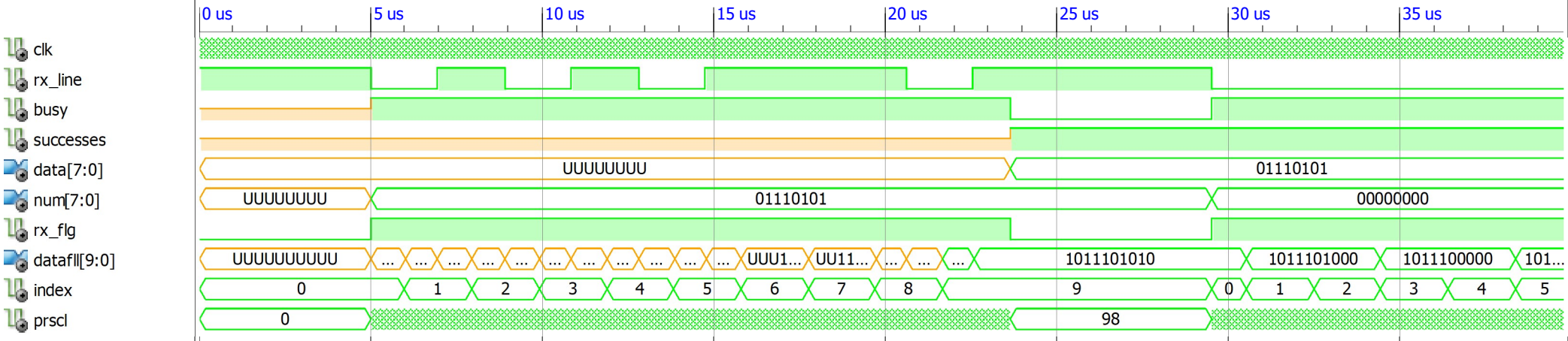
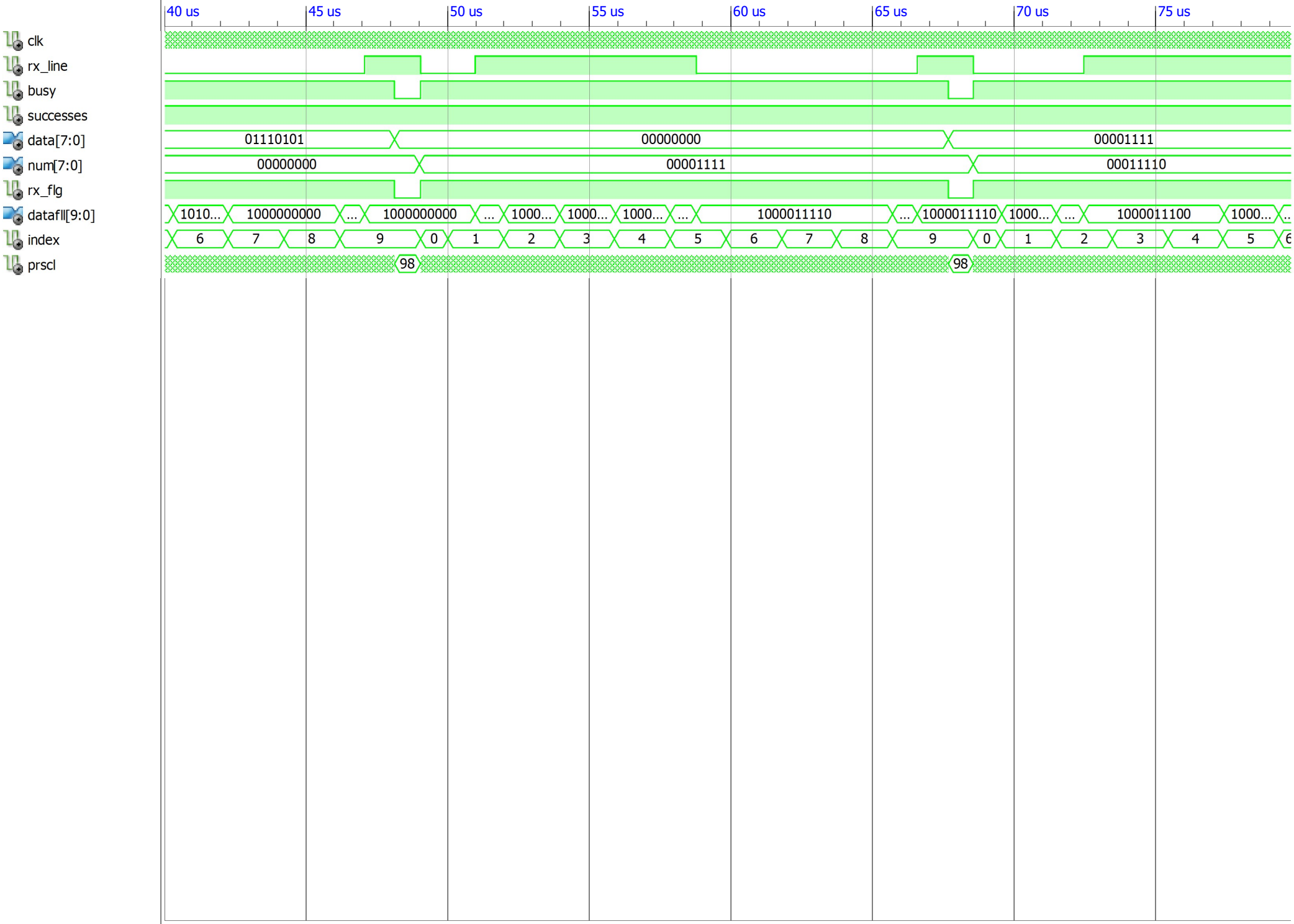
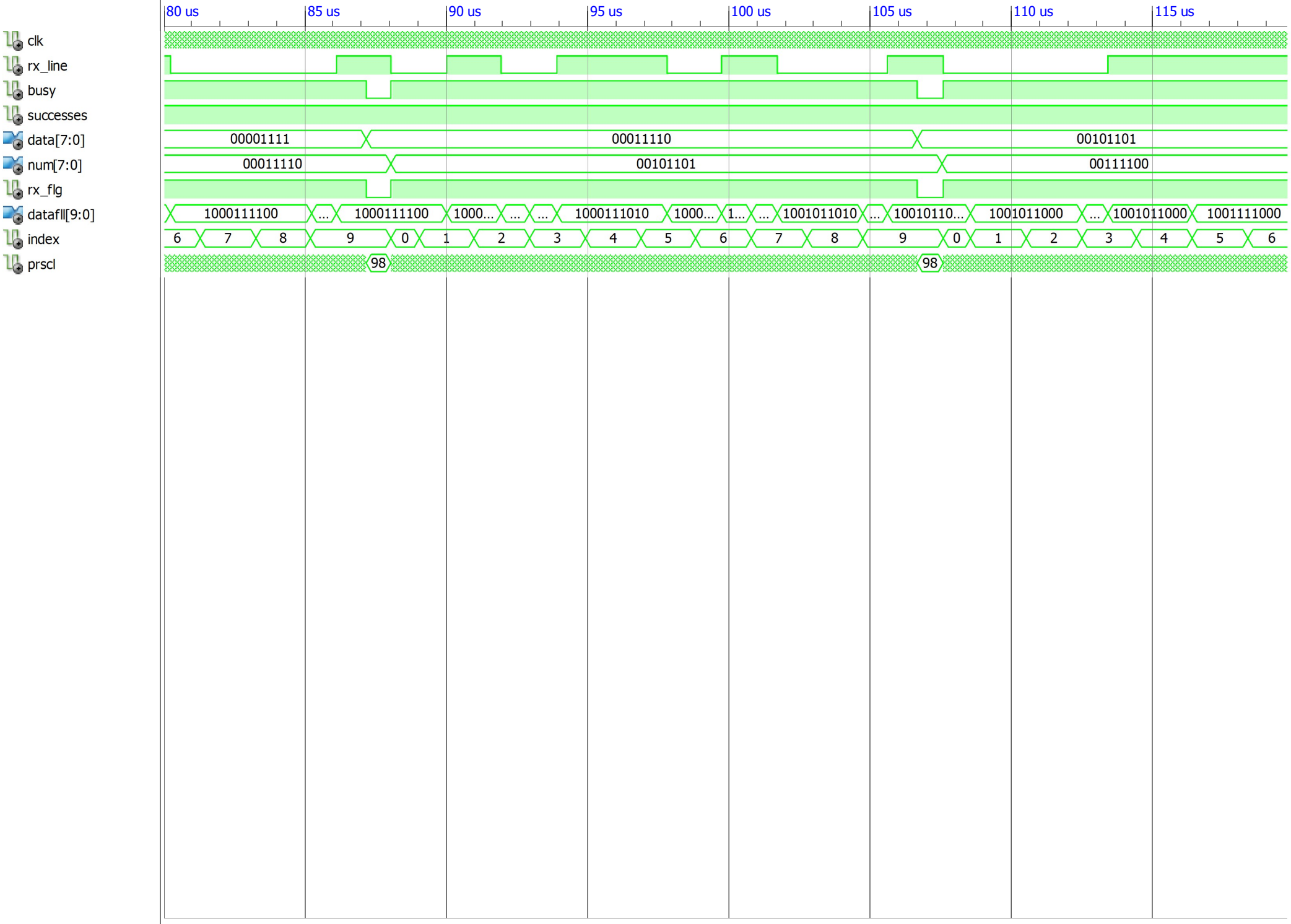
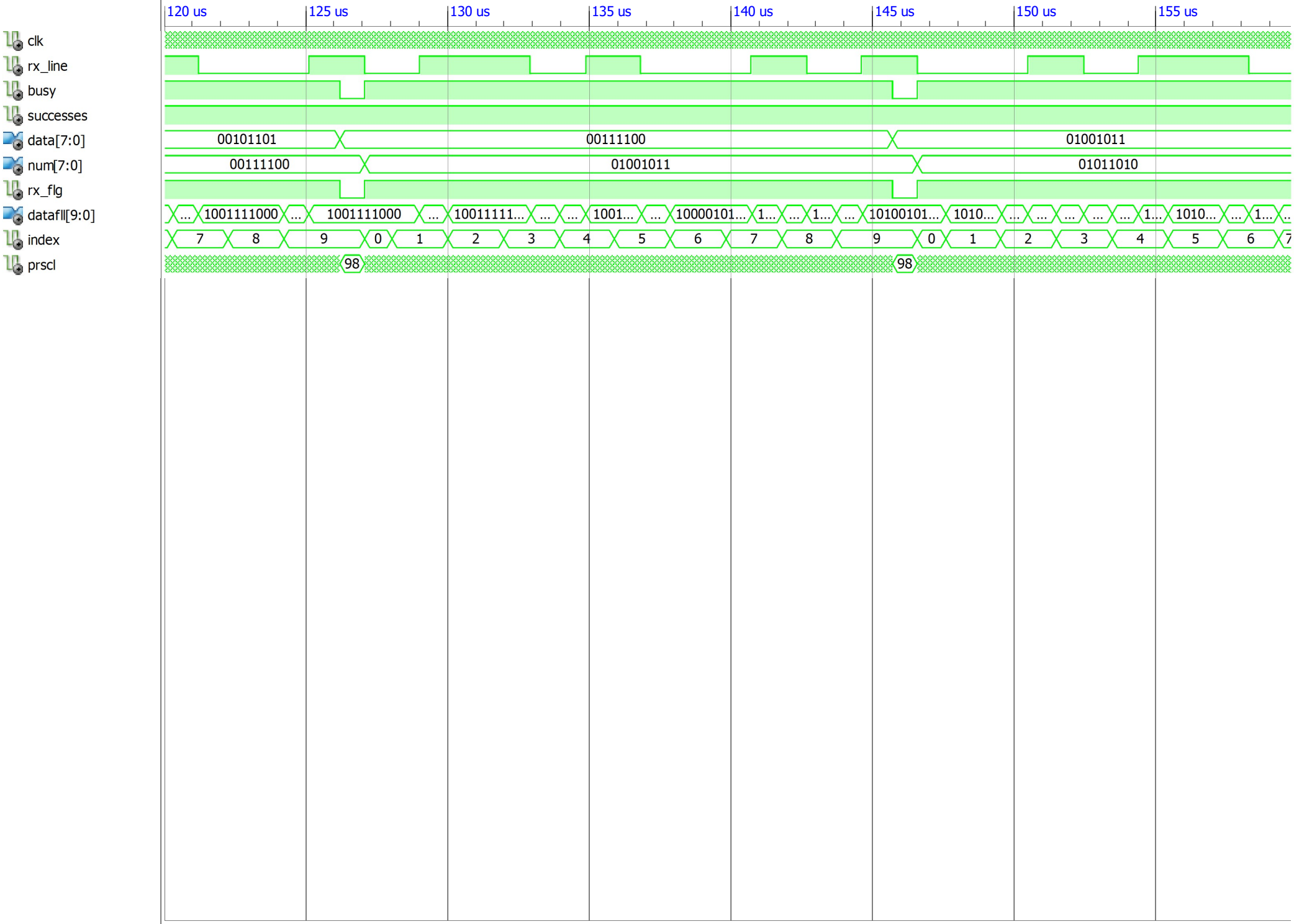
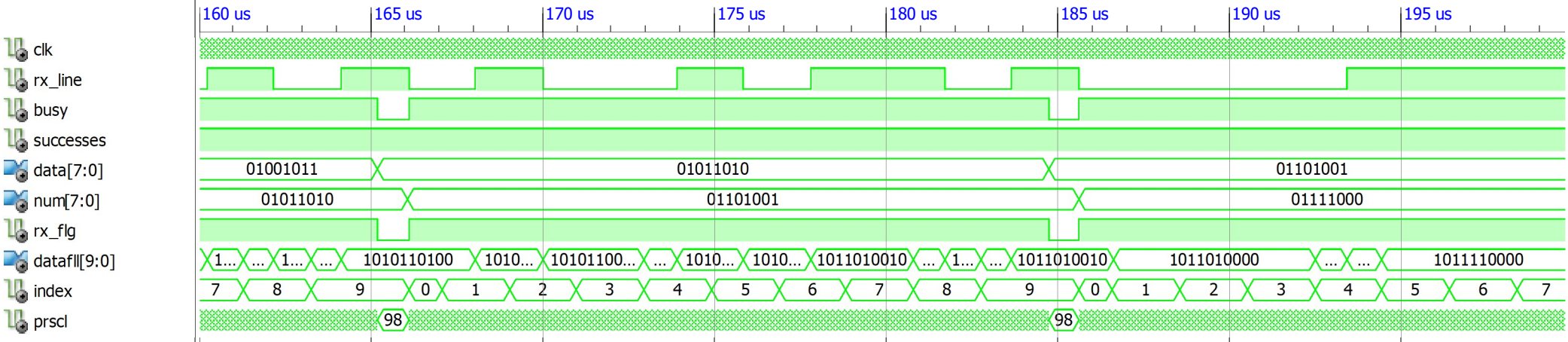
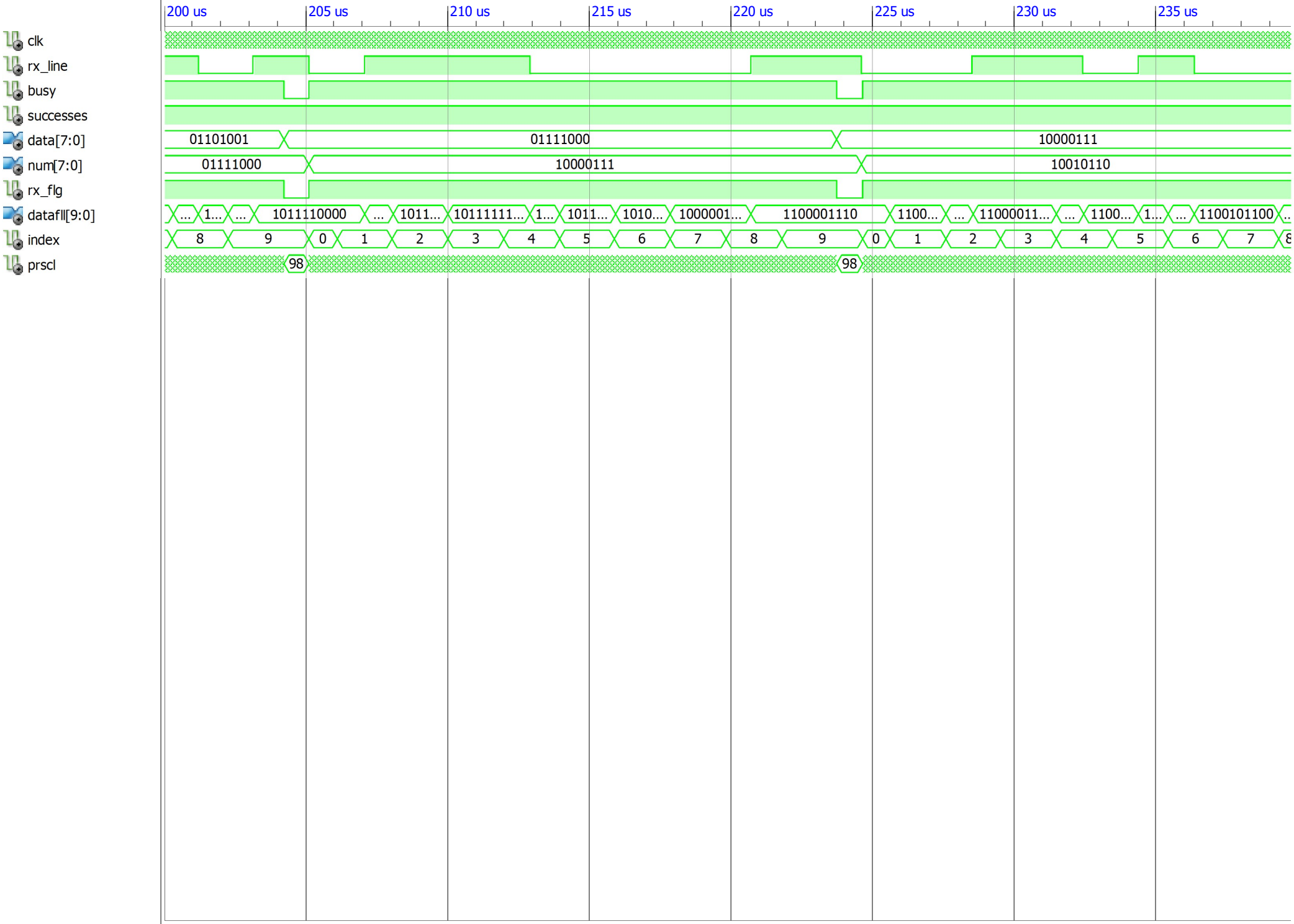

0 us
5 us
10 us
15 us
20 us
25 us
30 us
35 us
clk
rx_line
busy
successes
data[7:0]
num[7:0]
rx_flg
datafll[9:0]
index
prscl
UUUUUUUU
01110101
UUUUUUUU
01110101
00000000
UUUUUUUUUU
UUU1...
UU11...
1011101010
1011101000
1011100000
101...
0
1
2
3
4
5
6
7
8
9
0
1
2
3
4
5
0
98

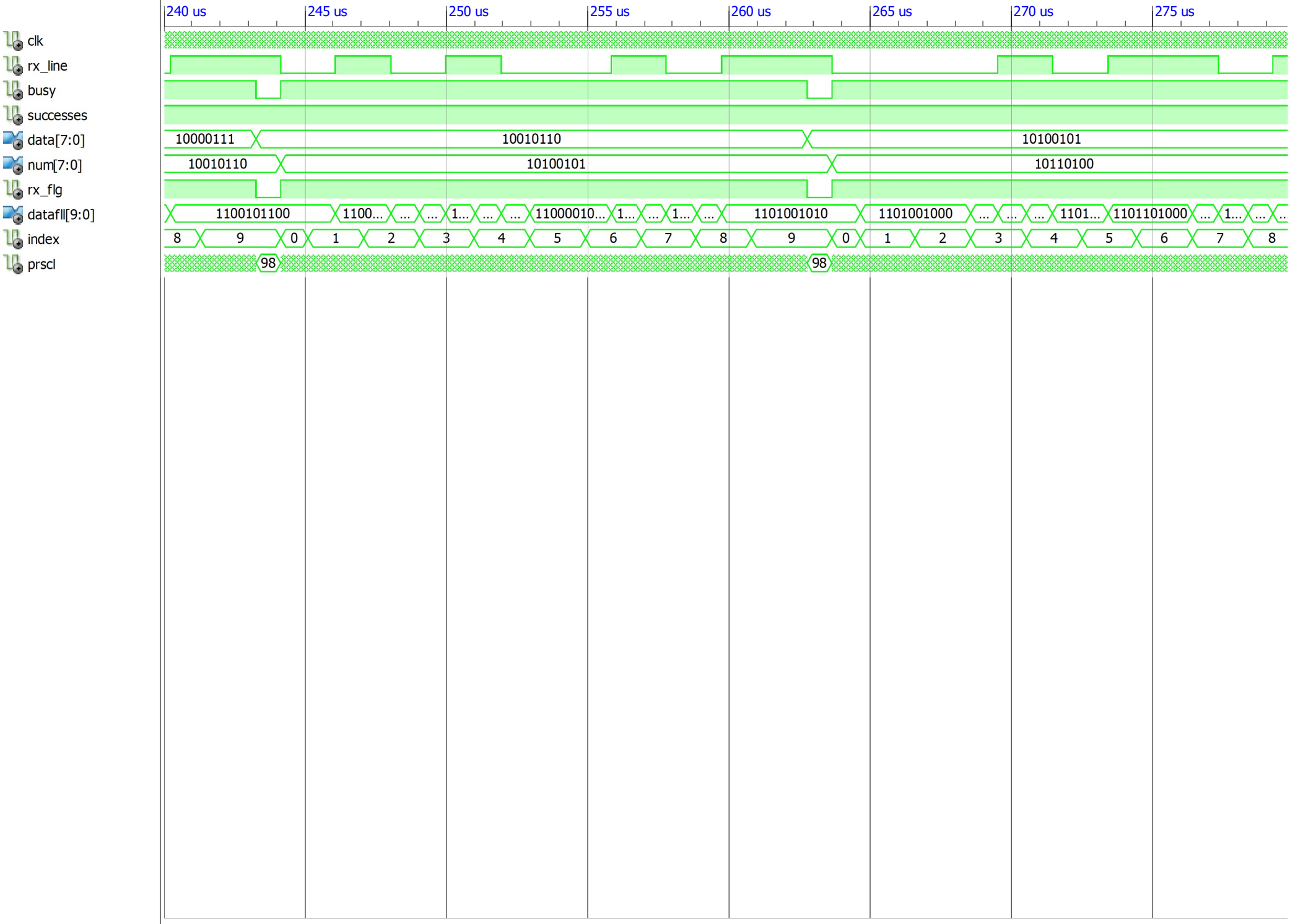

40 us
45 us
50 us
55 us
60 us
65 us
70 us
75 us
clk
rx_line
busy
successes
data[7:0]
num[7:0]
rx_flg
datafll[9:0]
index
prscl
01110101
00000000
00001111
00000000
00001111
00011110
1010...
1000000000
...
1000000000
...
1000...
1000...
1000...
...
1000011110
...
1000011110
1000...
...
1000011100
1000...
6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5
98
98

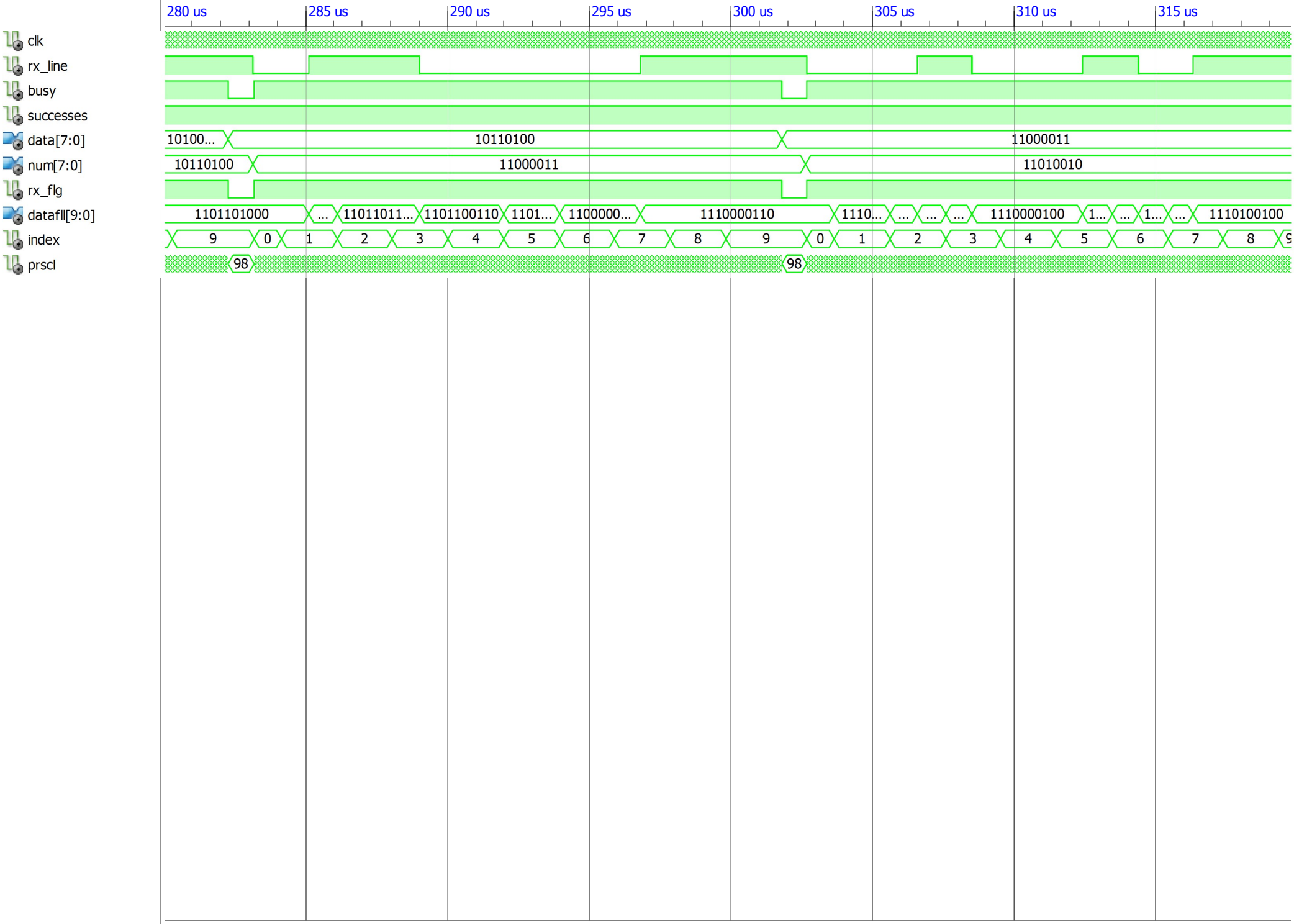

80 us
85 us
90 us
95 us
100 us
105 us
110 us
115 us
clk
rx_line
busy
successes
data[7:0]
00001111
00011110
00101101
num[7:0]
00011110
00101101
00111100
rx_flg
datafll[9:0]
1000111100
...
1000111100
1000...
...
...
1000111010
1000...
1...
...
1001011010
...
10010110...
1001011000
...
1001011000
1001111000
index
6
7
8
9
0
1
2
3
4
5
6
7
8
9
0
1
2
3
4
5
6
prscl
98
98

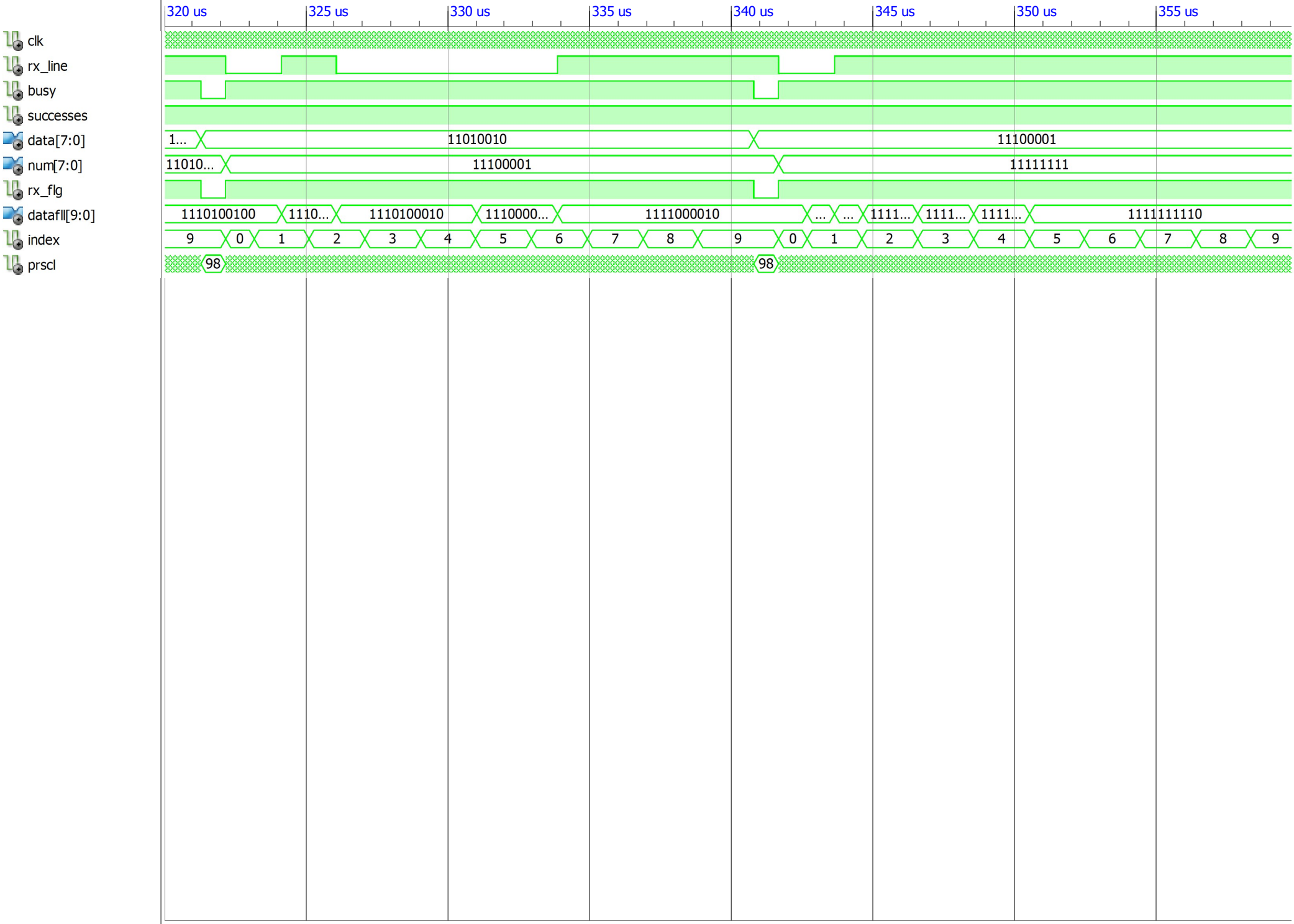

120 us
125 us
130 us
135 us
140 us
145 us
150 us
155 us
clk
rx_line
busy
successes
data[7:0]
00101101
00111100
01001011
num[7:0]
00111100
01001011
01011010
rx_flg
datafll[9:0]
1001111000
1001111000
10011111...
1001...
10000101...
1...
10100101...
1010...
1010...
index
7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7
prscl
98
98

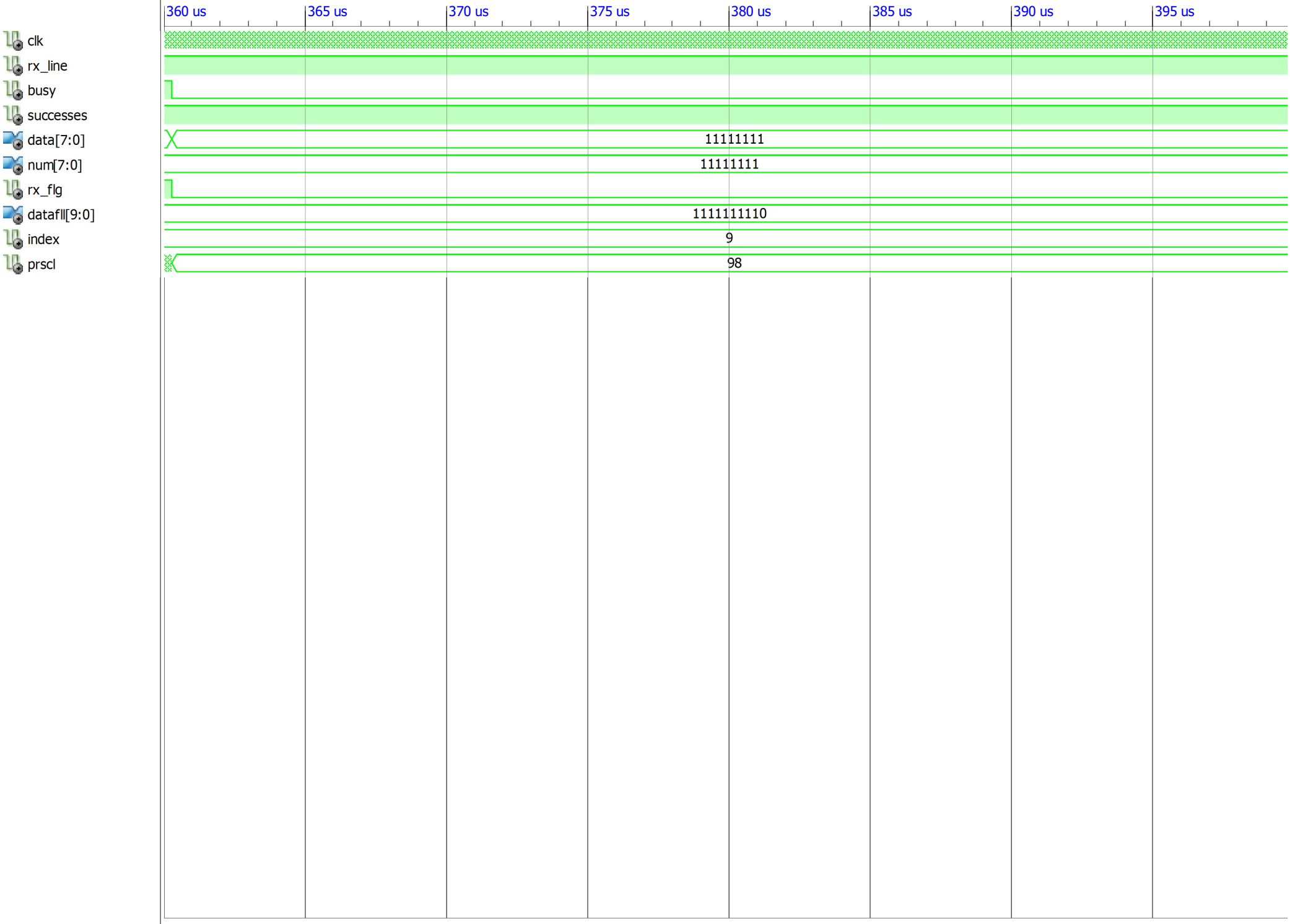

160 us
165 us
170 us
175 us
180 us
185 us
190 us
195 us
clk
rx_line
busy
successes
data[7:0]
num[7:0]
rx_flg
datafll[9:0]
index
prscl
01001011
01011010
01101001
01011010
01101001
01111000
98
98


200 us
205 us
210 us
215 us
220 us
225 us
230 us
235 us
clk
rx_line
busy
successes
data[7:0]
num[7:0]
rx_flg
datafll[9:0]
index
prscl
01101001
01111000
10000111
01111000
10000111
10010110
98
98
8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8


240 us
245 us
250 us
255 us
260 us
265 us
270 us
275 us
clk
rx_line
busy
successes
data[7:0]
num[7:0]
rx_flg
datafll[9:0]
index
prscl
10000111
10010110
10100101
10010110
10100101
10110100
1100101100
1100...
1...
11000010...
1101001010
1101001000
1101...
1101101000
8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8
98
98


280 us
285 us
290 us
295 us
300 us
305 us
310 us
315 us
clk
rx_line
busy
successes
data[7:0]
num[7:0]
rx_flg
datafll[9:0]
index
prscl
10100...
10110100
11000011
10110100
11000011
11010010
1101101000
...
11011011...
1101100110
1101...
1100000...
1110000110
1110...
1110000100
1...
1110100100
9
0
1
2
3
4
5
6
7
8
98


320 us
325 us
330 us
335 us
340 us
345 us
350 us
355 us
clk
rx_line
busy
successes
data[7:0]
num[7:0]
rx_flg
datafll[9:0]
index
prscl
1...
11010010
11100001
11010...
11100001
11111111
1110100100
1110...
1110100010
1110000...
1111000010
...
...
1111...
1111...
1111...
1111111110
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9
98
98


360 us
365 us
370 us
375 us
380 us
385 us
390 us
395 us
clk
rx_line
busy
successes
data[7:0]
11111111
num[7:0]
11111111
rx_flg
datafll[9:0]
1111111110
index
9
prscl
98