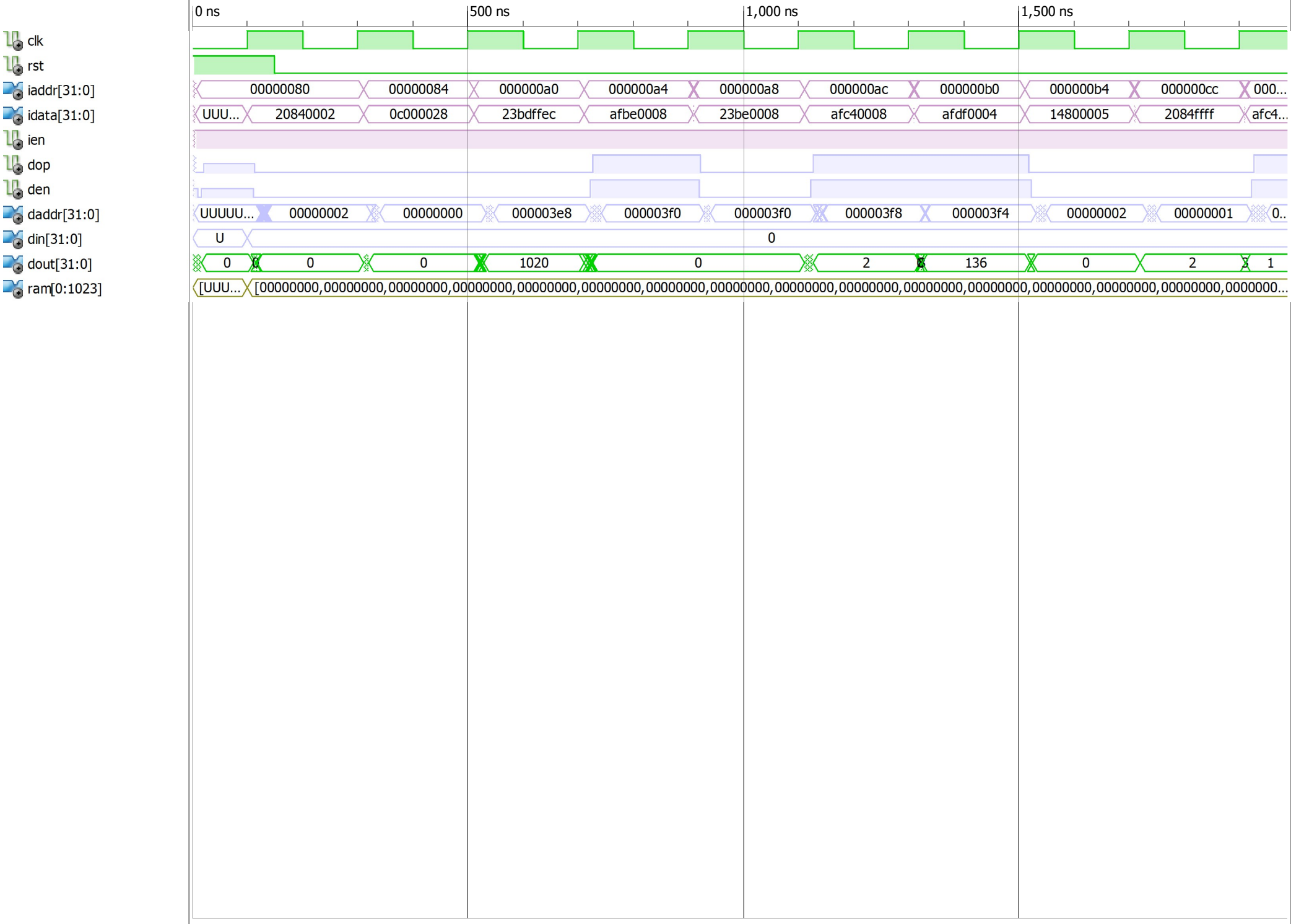
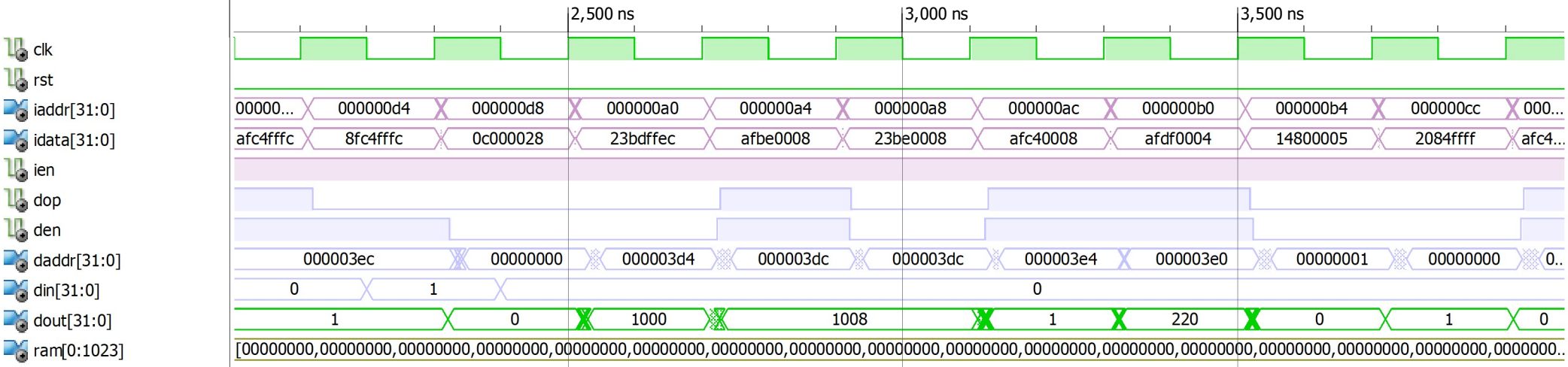
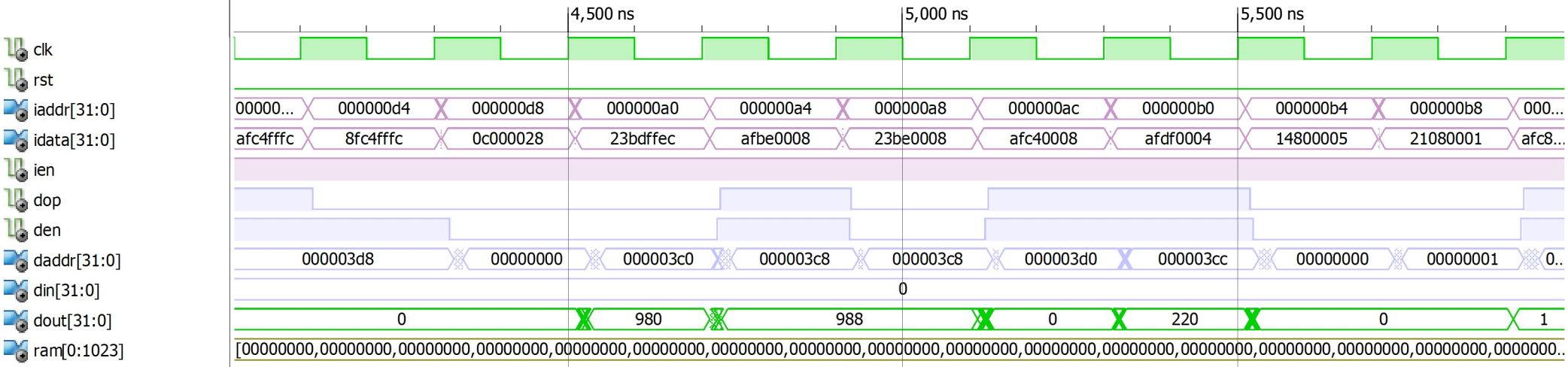
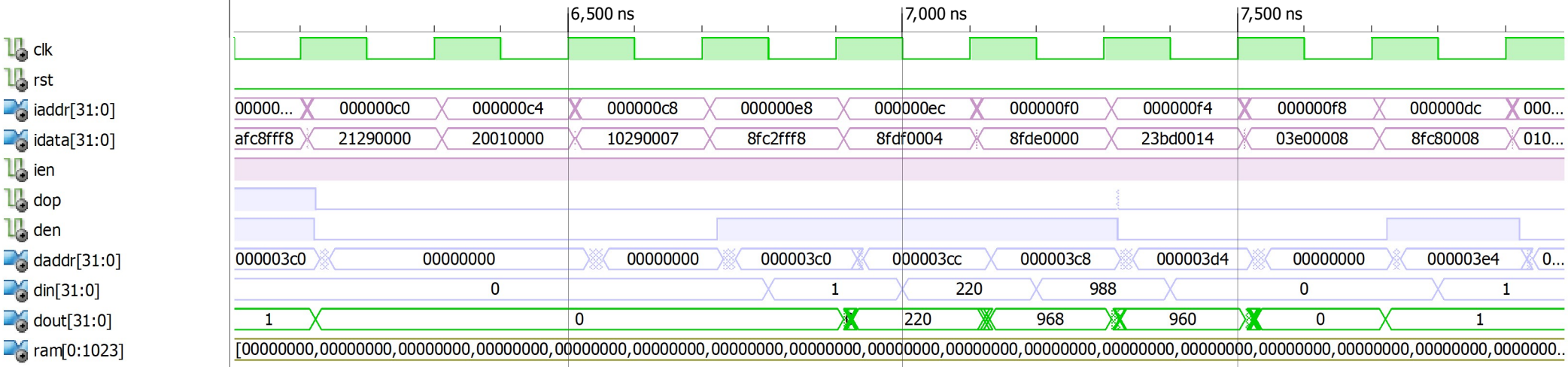
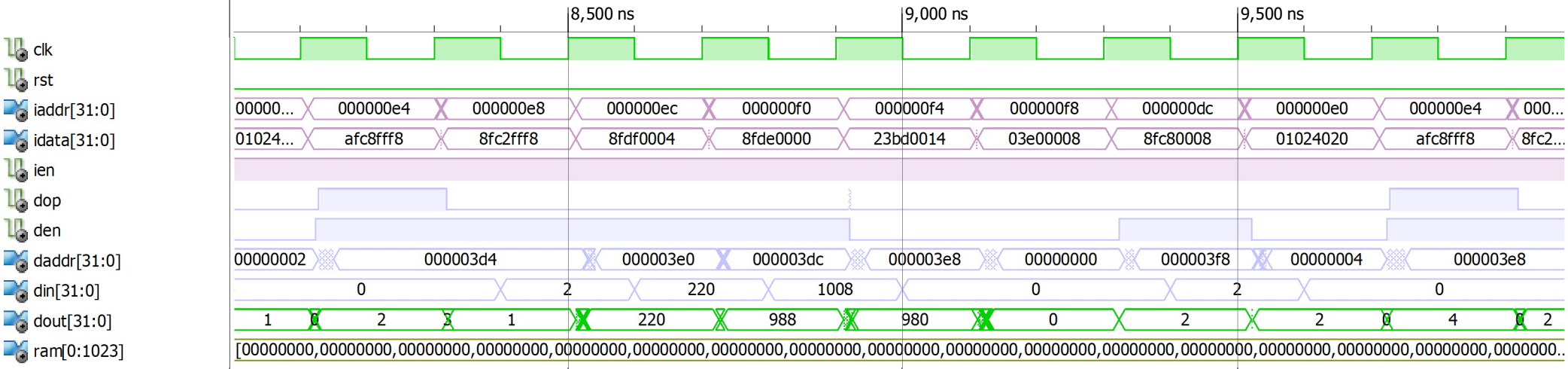
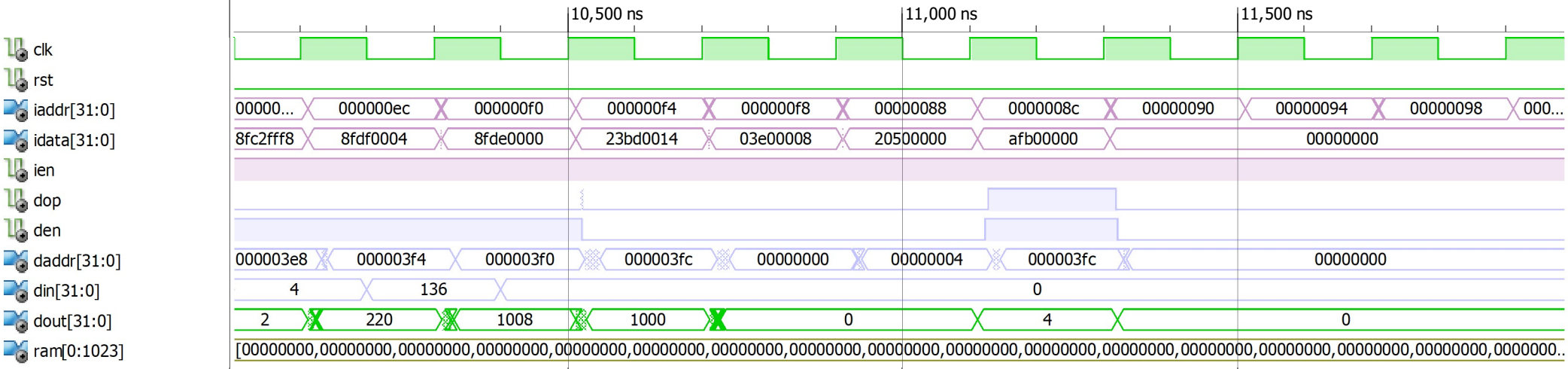

0 ns
500 ns
1,000 ns
1,500 ns
clk
rst
iaddr[31:0]
00000080
00000084
000000a0
000000a4
000000a8
000000ac
000000b0
000000b4
000000cc
000...
idata[31:0]
UUU...
20840002
0c000028
23bdffec
afbe0008
23be0008
afc40008
afdf0004
14800005
2084ffff
afc4...
ien
dop
den
daddr[31:0]
UUUUU...
00000002
00000000
000003e8
000003f0
000003f0
000003f8
000003f4
00000002
00000001
0..
din[31:0]
U
0
dout[31:0]
0
0
0
0
1020
0
2
136
0
2
1
ram[0:1023]
[UUU...
[00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,0000000...


2,500 ns
3,000 ns
3,500 ns
clk
rst
iaddr[31:0]
00000...
000000d4
000000d8
000000a0
000000a4
000000a8
000000ac
000000b0
000000b4
000000cc
000...
idata[31:0]
afc4fffc
8fc4fffc
0c000028
23bdffec
afbe0008
23be0008
afc40008
afdf0004
14800005
2084ffff
afc4...
ien
dop
den
daddr[31:0]
000003ec
00000000
000003d4
000003dc
000003dc
000003e4
000003e0
00000001
00000000
0..
din[31:0]
0
1
0
dout[31:0]
1
0
1000
1008
1
220
0
1
0
ram[0:1023]
[00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,0000000..


4,500 ns
5,000 ns
5,500 ns
clk
rst
iaddr[31:0]
00000...
000000d4
000000d8
000000a0
000000a4
000000a8
000000ac
000000b0
000000b4
000000b8
000...
idata[31:0]
afc4fffc
8fc4fffc
0c000028
23bdffec
afbe0008
23be0008
afc40008
afdf0004
14800005
21080001
afc8...
ien
dop
den
daddr[31:0]
000003d8
00000000
000003c0
000003c8
000003c8
000003d0
000003cc
00000000
00000001
0..
din[31:0]
0
dout[31:0]
0
980
988
0
220
0
1
ram[0:1023]
[00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000..


6,500 ns
7,000 ns
7,500 ns
clk
rst
iaddr[31:0]
00000...
000000c0
000000c4
000000c8
000000e8
000000ec
000000f0
000000f4
000000f8
000000dc
000...
idata[31:0]
afc8fff8
21290000
20010000
10290007
8fc2fff8
8fdf0004
8fde0000
23bd0014
03e00008
8fc80008
010...
ien
dop
den
daddr[31:0]
000003c0
00000000
00000000
000003c0
000003cc
000003c8
000003d4
00000000
000003e4
0...
din[31:0]
0
1
220
988
0
1
dout[31:0]
1
0
1
220
968
960
0
1
ram[0:1023]
[00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000..


8,500 ns
9,000 ns
9,500 ns
clk
rst
iaddr[31:0]
00000... 000000e4 000000e8 000000ec 000000f0 000000f4 000000f8 000000dc 000000e0 000000e4 000...
idata[31:0]
01024... afc8fff8 8fc2fff8 8fdf0004 8fde0000 23bd0014 03e00008 8fc80008 01024020 afc8fff8 8fc2...
ien
dop
den
daddr[31:0]
00000002 000003d4 000003e0 000003dc 000003e8 00000000 000003f8 00000004 000003e8
din[31:0]
0 2 220 1008 0 2 0
dout[31:0]
1 0 2 3 1 220 988 980 0 2 2 0 4 0 2
ram[0:1023]
[00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000..


10,500 ns
11,000 ns
11,500 ns
clk
rst
iaddr[31:0]
00000...
000000ec
000000f0
000000f4
000000f8
00000088
0000008c
00000090
00000094
00000098
000...
idata[31:0]
8fc2fff8
8fdf0004
8fde0000
23bd0014
03e00008
20500000
afb00000
00000000
ien
dop
den
daddr[31:0]
000003e8
000003f4
000003f0
000003fc
00000000
00000004
000003fc
00000000
din[31:0]
4
136
0
dout[31:0]
2
220
1008
1000
0
4
0
ram[0:1023]
[00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,0000000..