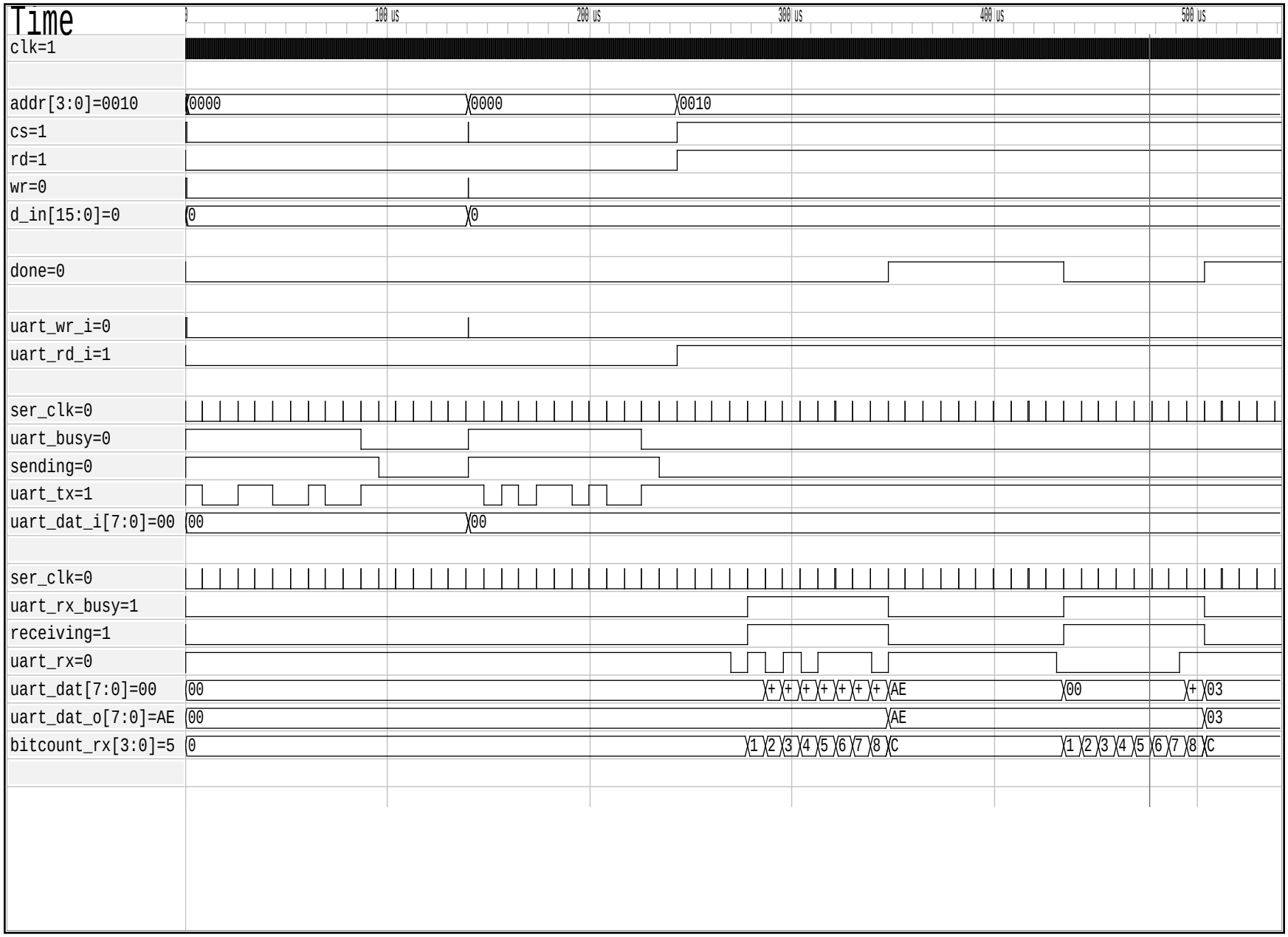
Time
0
100 us
200 us
300 us
400 us
500 us
clk=1
addr[3:0]=0010
0000
0000
0010
cs=1
rd=1
wr=0
d_in[15:0]=0
0
0
done=0
uart_wr_i=0
uart_rd_i=1
ser_clk=0
uart_busy=0
sending=0
uart_tx=1
uart_dat_i[7:0]=00
00
00
ser_clk=0
uart_rx_busy=1
receiving=1
uart_rx=0
uart_dat[7:0]=00
00
+ + + + + + +
AE
00
+ +
03
uart_dat_o[7:0]=AE
00
AE
03
bitcount_rx[3:0]=5
0
1 2 3 4 5 6 7 8
C
1 2 3 4 5 6 7 8
C