le ring\_counter control [3:0] count output f @ (posedge if (control) 461000 count a else if (! control count [3.7 L= ! Control L = 1 count L27 CCUNTL Count L2 Count LA7 L=9 count LO7 L= count LI occurt 607 countl37 L= end endmodul

module averaging (
input clv, clk,
input [23:0] sample,
ont put [23:0] average);
wire logic of q q' samt27:07, start, exsumple[27:0];
always ff Q (poseage alk) begin else if (! (1) q = q + 1start c= q == 14160000; ex sample 127:247 c= 5ym 1237; always of a (povedge) lagin exsample[23:07 c= sum; Same- Sum + example; if (start) q' c = exsample; else if (! start) q' c = sum; average c = q' / 16; end ud midul