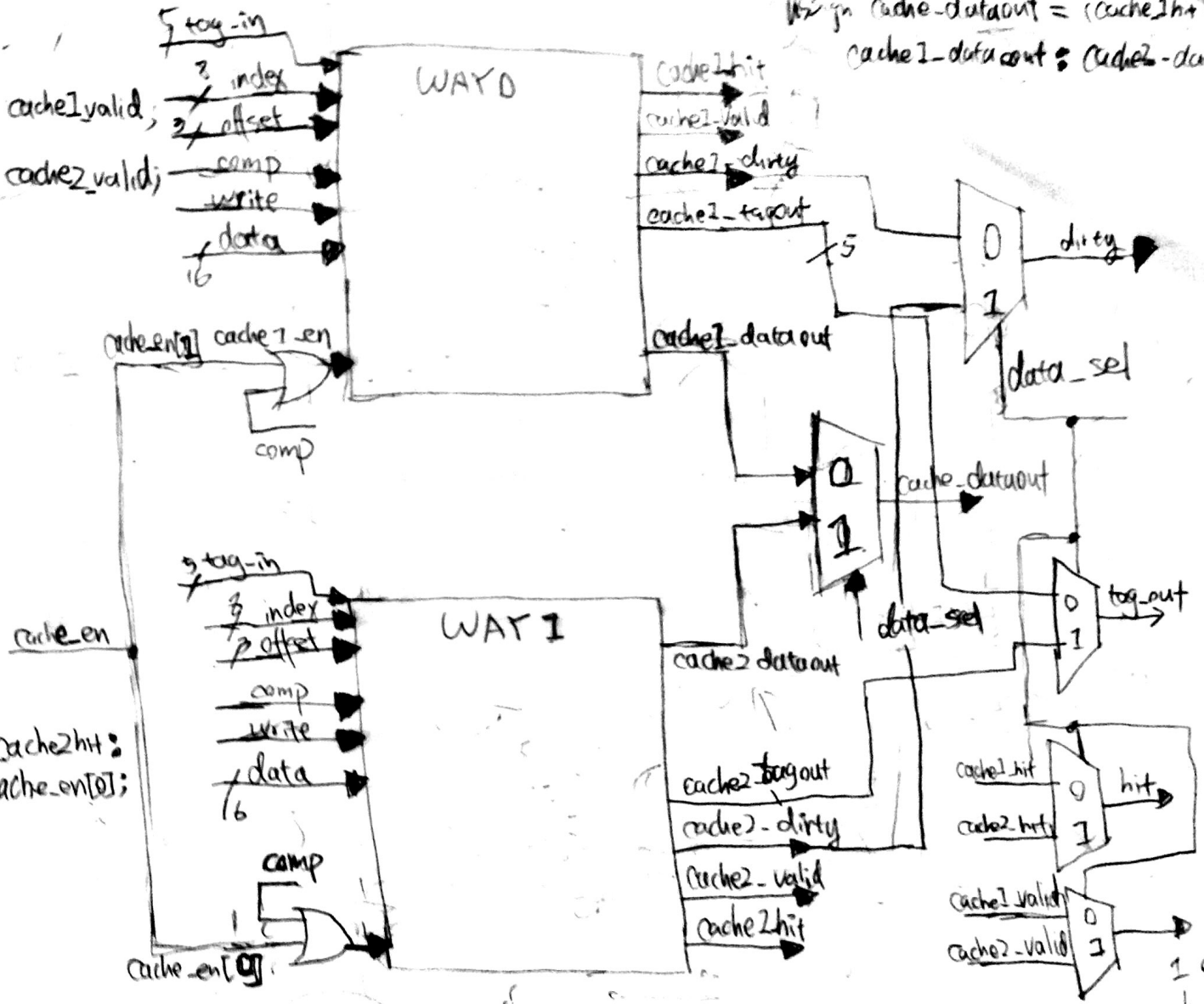


assign cache1hit = cache1hit & cache1valid;
 assign cache2hit = cache2hit & cache2valid;

(V)

assign cache-dataout = (cache1hit == 1)?
 cache1-dataout : cache2-dataout;



data_sel = (cache1hit | cache2hit)?(cache2hit?
 cache-en[0]:

(V)

assign cache-en = (en == 1 && cache1-valid == 1 && cache2-valid == 0)? 2'b01:
 (en == 1 && cache1-valid == 0 && cache2-valid == 1)? 2'b10:
 (en == 1 && cache1-valid == 0 && cache2-valid == 0)? 2'b10:
 (en == 1 && cache1-valid == 1 && cache2-valid == 1)? pseudo:
 = 1'b00;

(V)