

```

psH5a: //rKagenの判定で計z
begin

if(rKagen[0] == 0)
begin
rKeisan[0] <= rPWMCntData[7:0] +
              rShinritiData_0[7:0];

(中略)

rKeisan[7] <= rPWMCntData[63:56] +
              rShinritiData_0[63:56];

end
else
begin
rKeisan[0] <= rPWMCntData[7:0] -
              rShinritiData_0[7:0];

(中略)

rKeisan[7] <= rPWMCntData[63:56] -
              rShinritiData_0[63:56];
end

rs <= psH5b;
end

psH5b: //rKagenの判定で計算
begin
if(rKagen[1] == 0)
begin
rKeisan[0] <= rKeisan[0] + rShinritiData_1[7:0];

(中略)

rKeisan[7] <= rKeisan[7] - rShinritiData_1[63:56];
end
rs <= psH5c;
end
psH5c: //rKagenの判定で計算
begin
if(rKagen[2] == 0)
begin
rHansyaData_0 <= rKeisan[0] + rShinritiData_2[7:0];

(中略)

rHansyaData_7 <= rKeisan[7] -
                 rShinritiData_2[63:56];

```

```

end

rs <= psH6;
end

psH6: //反射データが不正な値だったら修正
begin

if(rKagen[0]==0) begin
if(rHansyaData_0[9:8] == 2'b00) rHansyaData_0 <=
                               rHansyaData_0;
else
rHansyaData_0 <= 10'h0_ff;
end
else begin
if(rHansyaData_0[9:8] == 2'b00) rHansyaData_0 <=
                               rHansyaData_0;
else
rHansyaData_0 <= 10'h0_00;
end
//-----

(中略)

//-----
if(rKagen[7]==0) begin
if(rHansyaData_7[9:8] == 2'b00) rHansyaData_7 <=
                               rHansyaData_7;
else
rHansyaData_7 <= 10'h0_ff;
end
else begin
if(rHansyaData_7[9:8] == 2'b00) rHansyaData_7 <=
                               rHansyaData_7;
else
rHansyaData_7 <= 10'h0_00;
end

rs <= psH7;
end

psH7:
begin
roHansyaData <= {
rHansyaData_7[7:0], rHansyaData_6[7:0],
rHansyaData_5[7:0], rHansyaData_4[7:0],
rHansyaData_3[7:0], rHansyaData_2[7:0],
rHansyaData_1[7:0], rHansyaData_0[7:0]
};

roHansyaSet <= 1;

rs <= ps2;
end

```