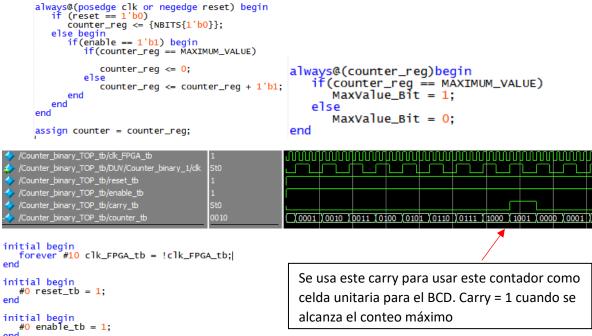
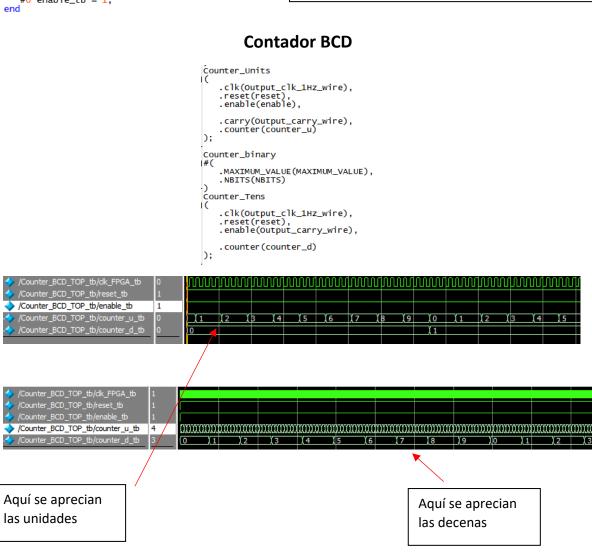
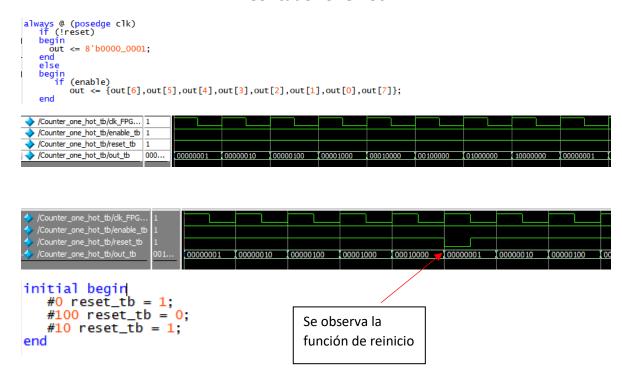
Contador binario



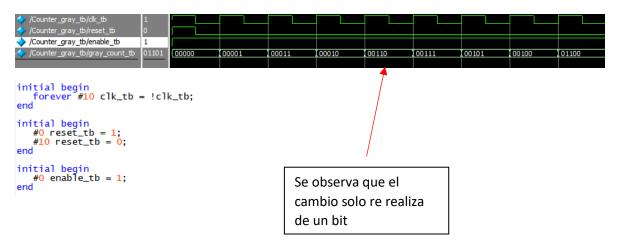


Contador one hot



Contador GRAY

Para este se utilizó un el contador gray que viene incluido en los template y solo se realizó el test bench.



Contador LFSR

```
always @(posedge clk)
begin

LFSR[0] <= feedback;

LFSR[1] <= LFSR[0];

LFSR[2] <= LFSR[1] ^ feedback;

LFSR[3] <= LFSR[2] ^ feedback;

LFSR[4] <= LFSR[3] ^ feedback;

LFSR[5] <= LFSR[4];

LFSR[6] <= LFSR[5];

LFSR[6] <= LFSR[6];

end

//Counter_LSFR_tb/dk_tb

118

227 (219 171 75 150 49 98 196 149 55 110 220 165
```

Se puede observar la generación de los números random