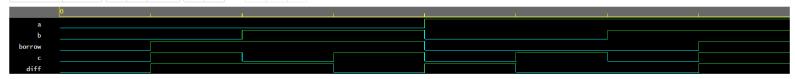
## Código full-substractor usando 2 half-substractors:

```
timescale lns/lns
pmodule halfsubstractor_tb();
module halfsubstractor_tb();
req a, b, c;
wire diff, borrow;
wire nl, n2, n3;

fullsubstractor half_test(.a(a), .b(b), .c(c), .diff(diff),
borrow(borrow));
initial begin
a = 0;
b = 0;
t =
```

Diff= Vale 1 cuando la diferencia entre a, b y c es 1 ( a - b - c = abs(1)) Borrow = Vale 1 en el momento que detecte una resta negativa (a-b < 0 | b-c < 0)



## Apuntes:

puntes:	
	Full substractor
	To To Half-substractor
	A B   Diff Borrow     Diff = Axor B     A B B B B B B B B B B B B B B B B
	To To Full-subtractor
	A B C Diff Borrow 101 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
77 77	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
7	
	Diff <sub>2</sub> AR  C / 90 91 11 10 C 00 01 11 10
	ABC + ABC + ABC   AC + AB + BC = Berrow, +C(A+B)
	$C(\overline{AB} + \overline{AB}) + \overline{C}(\overline{AB} + \overline{AB})$ $\overline{A}(C+B) + BC$
	C(AxnorB) + E(AxorB)  C ~ (AxorB) + C(AxorB)
	C xor Diff
	Plara