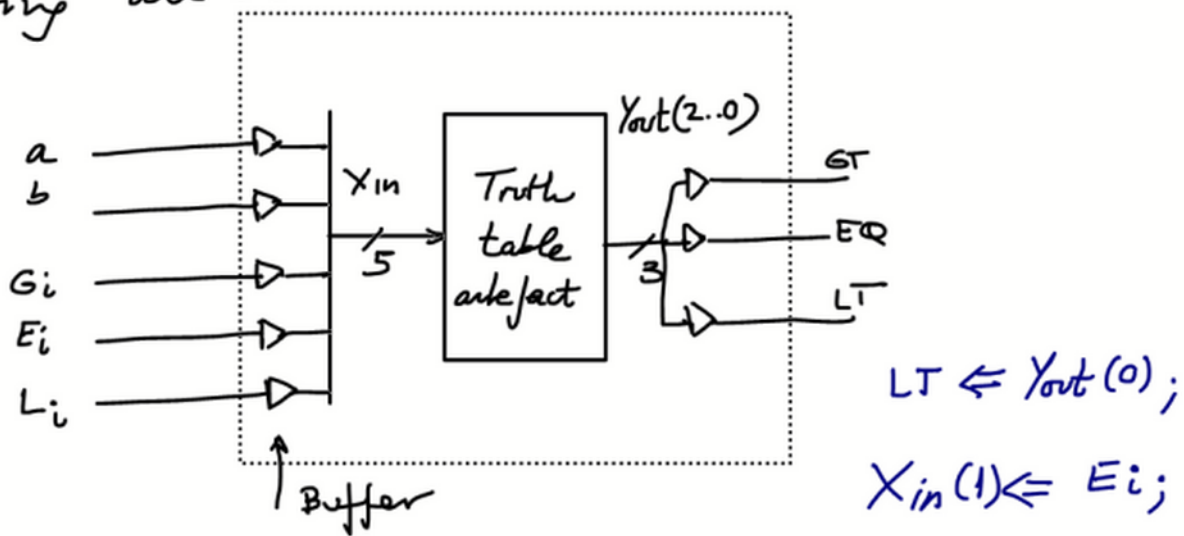


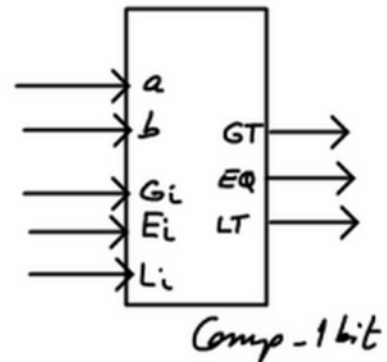
Comp-1bit using the plan B

To plan the truth table using a behavioural approach, it is necessary to capture the table using a schematic



$2^5 \rightarrow 32$ combinations

$X_{in}(4)$	a	b	G_i	E_i	L_i	$X_{in}(0)$	$Y_{out}(2)$	$Y_{out}(0)$		
							GT	EQ	LT	
	1	0	x	x	x		1	0	0	$\rightarrow 8$ comb
	0	1	x	x	x		0	0	1	$\rightarrow 8$ comb
	1	1	1	0	0		1	0	0	} 6 comb
	1	1	0	1	0		0	1	0	
	1	1	0	0	1		0	0	1	
	0	0	1	0	0		1	0	0	
	0	0	0	1	0		0	1	0	
	0	0	0	0	1		0	0	1	



The other 10 combinations are of no interest

For example 00 110 x x x

\Rightarrow To translate the truth table artefact, there are two options,

- Write the complete 32 rows with the many "---" outputs.
- Find something like the Dec-3-8 plan B example a) where the standard_match() function is used.