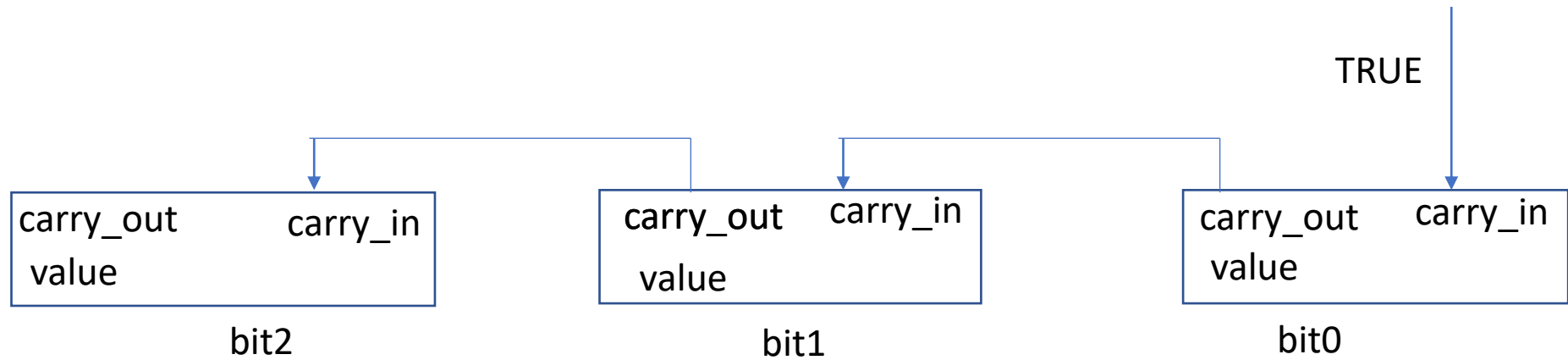


Three bit counter



$\text{next}(\text{value}) := \text{value} \text{ xor } \text{carry_in}$

$\text{carry_out} := \text{value} \& \text{carry_in}$

bit2.value	bit1.value	bit0.value	bit2.carry_out	bit1.carry_out	bit0.carry_out
0	0	0	0	0	0
0	0	1	0	0	0
0	1	0	0	0	1

