

	(3) Finish Lab 2 Part A
	- pulse generator
	- pulse generator
	- PWM
	pulse generator.sv and test/
	- madule outputs high for exactly one clock eyele out of every N ticks
	(ount output)
	O O make a counter that goes From 0 to N-1
450	1 0 2 If counter == N-1 output 1 and counter =0
	2 0 ese output 0
	3 0
	(4) Checked (1) 9+kware
	0 0
	\hat{h++}
	O OBUMU —
	2 O +icus out
	3 0
	9
	triangue generator and test)
	- generates thought waver
	- counts from 0 to 2N-1 then back down again
	- If ena 15 low hard value
	else increment/decrement
	Counter State $N=2$ $2^{N}-1=y-1=3$
	000
	01 0
	(10) ~ Transtron if all pits on
	nere so state < 1
	10 ready for Next posicial
	(Da) if all bits off
	γ tronstion state € 0
	00 0 here so horedy for
	Next Poscik
	N-1; 1 0
	N-C 1 0
	The second secon
	then state is COONTENG - Court
	D-thur state IF COUNTING-UP
	·

