

Homework #8 Solution

Problem 1)

The table below is what I got when I ran through the assignment. It is not meant to match your solution, but is rather an example of the sort of iteration log that you should have. The files that you turned in should reflect the results for the last iteration.

Iteration	1	2	3	4	5
Period	40 ns	40 ns	40 ns	40 ns	
DC Skew	50 ps	50 ps	50 ps	50 ps	
INIT AspectRatio	1.0	1.0	1.0	1.0	
INIT Density	85%	85%	85%	75%	
CTS MaxSkew	300 ps	300 ps	300 ps	300 ps	
CTS SinkMaxTran	400 ps	400 ps	400 ps	100 ps	
CTS BufMaxTran	400 ps	400 ps	400 ps	100 ps	
CTS Repeaters?	no	no	yes	yes	
ROUTE type	trialrouted	routed	routed	routed	
ROUTE viol/ovfl	0.4%H 4.7% V	33	192	0	
PT Fast Max Ins Delay	207 ps			123 ps	
PT Fast Min Ins Delay	135 ps			48 ps	
PT Fast Max Clk Tran	166 ps			62 ps	
PT Fast Min Clk Tran	136 ps			17 ps	
PT Fast Hold Slack	74 ps			76 ps	
PT Slow Setup Slack	-1.3 ns	-152 ps	4.06 ns	3.93 ns	
NOTES:					