

Weekly Report

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Week 14

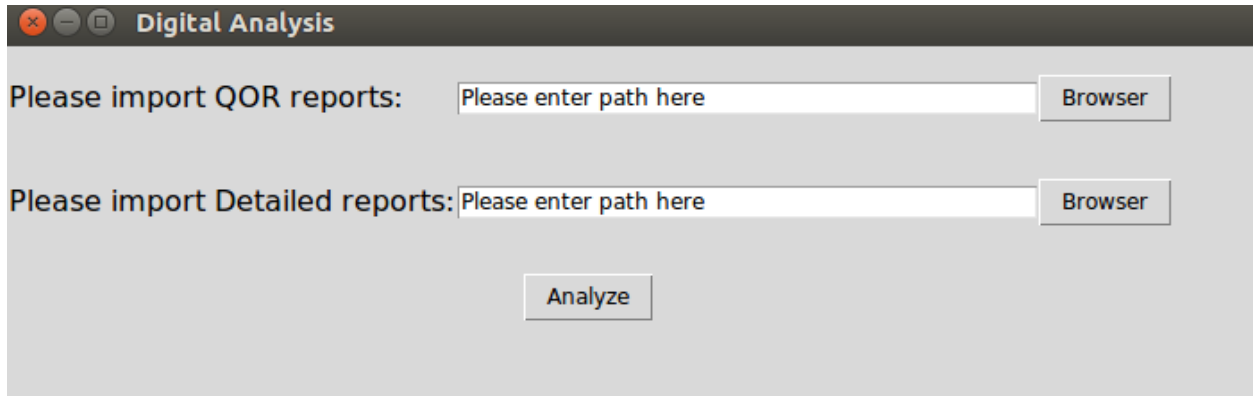
Summary:

This week, I learned tktable more carefully and detailly.

I made detailed modification for my task 1. I make my task 1 more complete.

The process was:

1. Let the users import their files:



Digital Analysis

Please import QOR reports:

Please import Detailed reports:

2. Show QOR table, indicate the negative number:



Timing Path Group	INPUTS	OUTPUTS	rclk	wclk
Levels of Logic	1.000	1.000	7.000	5.000
Critical Path Length	0.238	0.108	0.543	0.946
Critical Path Slack	0.643	0.292	-0.066	0.035
Critical Path Clk Period	1.000	0.500	0.500	1.000
Total Negative Slack	0.000	0.000	-0.106	0.000
No. of Violating Paths	0.000	0.000	2.000	0.000
Worst Hold Violation	0.000	0.000	0.000	0.000
Total Hold Violation	0.000	0.000	0.000	0.000
No. of Hold Violations	0.000	0.000	0.000	0.000

3. After double click any cell in the 'critical path slack' row, a pop window show. The window indicates the corresponding detailed report.

Digital Analysis				
Startpoint: rptr_empty/rempty_reg			Path Group: rclk	
Endpoint: rptr_empty/rempty_reg			Path Type: max	
Point	Cap	Trans	Incr	Path
clock rclk (rise edge)			0.000	0.000
clock network delay (ideal)			0.000	0.000
rptr_empty/rempty_reg/CLK (DFFASX1)		0.000	0.000	0.000
rptr_empty/rempty_reg/Q (DFFASX1)	0.862	0.019	0.059	0.059
rptr_empty/U10/A2 (NOR2X1)		0.019	0.013	0.072
rptr_empty/U10/Y (NOR2X1)	1.285	0.013	0.026	0.098
rptr_empty/U20/A2 (NAND2X0)		0.013	0.044	0.142
rptr_empty/U20/Y (NAND2X0)	1.068	0.026	0.016	0.159
rptr_empty/U4/A1 (XOR2X1)		0.026	0.016	0.175
rptr_empty/U4/Y (XOR2X1)	1.495	0.026	0.044	0.219
rptr_empty/U25/A (NBUFFX2)		0.026	0.051	0.271
rptr_empty/U25/Y (NBUFFX2)	1.719	0.016	0.021	0.292
rptr_empty/U15/A1 (XOR2X1)		0.016	0.059	0.351
rptr_empty/U15/Y (XOR2X1)	1.818	0.023	0.045	0.396
rptr_empty/U5/A1 (XOR2X1)		0.023	0.063	0.458
rptr_empty/U5/Y (XOR2X1)	0.654	0.023	0.041	0.499
rptr_empty/U12/A1 (AND3X1)		0.023	0.010	0.509
rptr_empty/U12/Y (AND3X1)	0.734	0.017	0.023	0.532
rptr_empty/rempty_reg/D (DFFASX1)		0.017	0.011	0.543
data arrival time				0.543
clock rclk (rise edge)			0.500	0.500
clock network delay (ideal)			0.000	0.500
rptr_empty/rempty_reg/CLK (DFFASX1)			0.000	0.500
library setup time			-0.023	0.477
data required time				0.477
data required time				0.477

Confirm

By modifying my task 1, I learned more functions of tktable:

1. How to build the table with tktable
2. How to set the tag
3. How to complete the doubleclick function
4. How to connect backstage table to GUI table.

Neek week:

After learning the tktable carefully, I think modifying task 2 will be quick. I will completed my modification plan for task 2:

1. Make startpoint list and endpoint list can influence each other
2. Highlight the comparison as the requirement of users
3. Deal with the case that two files have different cell (path).

Maybe new task will be given.