# Weekly Report

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**Summary:**

This week, I continue worked on the showing reports. Now the table can add more report, search keywords, return back to raw data, and right click popupmenu. And I also find out how to make tkinter works on Linux.

**Last Week Issue Solution:**

On Fedora or Redhat:

    Install .rpm file into system, the link is attach at reference part. (Fedora works good, but hadn't try on Redhat,)

On Ubuntu or other Linux has apt-get command:

    execute 'sudo apt-get install tktable' in terminal.

However, I don't have a solution on Windows.

**Issue:**

No big issue this week.

**Follow Two Week:**

I have several midterm and lab deadline in two weeks, so I may not have enough time working on the Capstone.

**Data:**

Open first report:

| 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 |

DC Analysis

Compare More report

Enter filter word

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Open more report:

**DC Analysis**

| Timing Path Group | INPUTS | OUTPUTS | rclk | wclk | INPUTS | OUTPUTS | rclk | wclk | INPUTS | OUTPUTS | rclk | wclk | INPUTS | OUTPUTS | rclk | wclk |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Levels of Logic | 1.000 | 1.000 | 7.000 | 5.000 | 2.000 | 1.000 | 9.000 | 5.000 | 1.000 | 3.000 | 7.000 | 4.000 | 1.000 | 1.000 | 7.000 | 5.000 |
| Critical Path Length | 0.238 | 0.108 | 0.543 | 0.946 | 0.338 | 0.108 | 0.643 | 0.946 | 0.238 | 0.308 | 0.543 | 0.846 | 0.238 | 0.108 | 0.543 | 0.946 |
| Critical Path Slack | 0.643 | 0.292 | -0.066 | 0.035 | 0.543 | 0.292 | -0.166 | 0.035 | 0.643 | 0.092 | -0.066 | 0.135 | 0.643 | 0.292 | -0.066 | 0.035 |
| Critical Path Clk Period | 1.000 | 0.500 | 0.500 | 1.000 | 1.000 | 0.500 | 0.500 | 1.000 | 1.000 | 0.500 | 0.500 | 1.000 | 1.000 | 0.500 | 0.500 | 1.000 |
| Total Negative Slack | 0.000 | 0.000 | -0.106 | 0.000 | 0.000 | 0.000 | -0.206 | 0.000 | 0.000 | 0.000 | -0.106 | 0.000 | 0.000 | 0.000 | -0.106 | 0.000 |
| No. of Violating Paths | 0.000 | 0.000 | 2.000 | 0.000 | 0.000 | 0.000 | 2.000 | 0.000 | 0.000 | 0.000 | 2.000 | 0.000 | 0.000 | 0.000 | 2.000 | 0.000 |
| Worst Hold Violation | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Hold Violation | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Compare More report

Enter filter word

Back

Sort from high to low

**DC Analysis**

| Timing Path Group | rclk | rclk | rclk | rclk | wclk | OUTPUTS | INPUTS | wclk | OUTPUTS | INPUTS | wclk | OUTPUTS | INPUTS | wclk | OUTPUTS | INPUTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Levels of Logic | 7.000 | 7.000 | 9.000 | 7.000 | 5.000 | 1.000 | 1.000 | 4.000 | 3.000 | 1.000 | 5.000 | 1.000 | 2.000 | 5.000 | 1.000 | 1.000 |
| Critical Path Length | 0.543 | 0.543 | 0.643 | 0.543 | 0.946 | 0.108 | 0.238 | 0.846 | 0.308 | 0.238 | 0.946 | 0.108 | 0.338 | 0.946 | 0.108 | 0.238 |
| Critical Path Slack | -0.066 | -0.066 | -0.166 | -0.066 | 0.035 | 0.292 | 0.643 | 0.135 | 0.092 | 0.643 | 0.035 | 0.292 | 0.543 | 0.035 | 0.292 | 0.643 |
| Critical Path Clk Period | 0.500 | 0.500 | 0.500 | 0.500 | 1.000 | 0.500 | 1.000 | 1.000 | 0.500 | 1.000 | 1.000 | 0.500 | 1.000 | 1.000 | 0.500 | 1.000 |
| Total Negative Slack | -0.106 | -0.106 | -0.206 | -0.106 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| No. of Violating Paths | 2.000 | 2.000 | 2.000 | 2.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Worst Hold Violation | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Hold Violation | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Compare More report

Enter filter word

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Sort from low to high

**DC Analysis**

| Timing Path Group | wclk | OUTPUTS | INPUTS | wclk | OUTPUTS | INPUTS | wclk | OUTPUTS | INPUTS | wclk | OUTPUTS | INPUTS | rclk | rclk | rclk | rclk |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Levels of Logic | 5.000 | 1.000 | 1.000 | 4.000 | 3.000 | 1.000 | 5.000 | 1.000 | 2.000 | 5.000 | 1.000 | 1.000 | 7.000 | 7.000 | 9.000 | 7.000 |
| Critical Path Length | 0.946 | 0.108 | 0.238 | 0.846 | 0.308 | 0.238 | 0.946 | 0.108 | 0.338 | 0.946 | 0.108 | 0.238 | 0.543 | 0.543 | 0.643 | 0.543 |
| Critical Path Slack | 0.035 | 0.292 | 0.643 | 0.135 | 0.092 | 0.643 | 0.035 | 0.292 | 0.543 | 0.035 | 0.292 | 0.643 | -0.066 | -0.066 | -0.166 | -0.066 |
| Critical Path Clk Period | 1.000 | 0.500 | 1.000 | 1.000 | 0.500 | 1.000 | 1.000 | 0.500 | 1.000 | 1.000 | 0.500 | 1.000 | 0.500 | 0.500 | 0.500 | 0.500 |
| Total Negative Slack | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -0.106 | -0.106 | -0.206 | -0.106 |
| No. of Violating Paths | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 2.000 | 2.000 | 2.000 | 2.000 |
| Worst Hold Violation | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Hold Violation | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Compare More report

Enter filter word

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Filter keywords

## DC Analysis

| Timing Path Group | rclk | wclk | rclk | wclk | rclk | wclk | rclk | wclk |
|---|---|---|---|---|---|---|---|---|
| Levels of Logic | 7.000 | 5.000 | 9.000 | 5.000 | 7.000 | 4.000 | 7.000 | 5.000 |
| Critical Path Length | 0.543 | 0.946 | 0.643 | 0.946 | 0.543 | 0.846 | 0.543 | 0.946 |
| Critical Path Slack | -0.066 | 0.035 | -0.166 | 0.035 | -0.066 | 0.135 | -0.066 | 0.035 |
| Critical Path Clk Period | 0.500 | 1.000 | 0.500 | 1.000 | 0.500 | 1.000 | 0.500 | 1.000 |
| Total Negative Slack | -0.106 | 0.000 | -0.206 | 0.000 | -0.106 | 0.000 | -0.106 | 0.000 |
| No. of Violating Paths | 2.000 | 0.000 | 2.000 | 0.000 | 2.000 | 0.000 | 2.000 | 0.000 |
| Worst Hold Violation | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Hold Violation | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Compare More report

clk

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Sort the filter result

## DC Analysis

| Timing Path Group | wclk | wclk | wclk | wclk | rclk | rclk | rclk | rclk |
|---|---|---|---|---|---|---|---|---|
| Levels of Logic | 5.000 | 5.000 | 5.000 | 4.000 | 9.000 | 7.000 | 7.000 | 7.000 |
| Critical Path Length | 0.946 | 0.946 | 0.946 | 0.846 | 0.643 | 0.543 | 0.543 | 0.543 |
| Critical Path Slack | 0.035 | 0.035 | 0.035 | 0.135 | -0.166 | -0.066 | -0.066 | -0.066 |
| Critical Path Clk Period | 1.000 | 1.000 | 1.000 | 1.000 | 0.500 | 0.500 | 0.500 | 0.500 |
| Total Negative Slack | 0.000 | 0.000 | 0.000 | 0.000 | -0.206 | -0.106 | -0.106 | -0.106 |
| No. of Violating Paths | 0.000 | 0.000 | 0.000 | 0.000 | 2.000 | 2.000 | 2.000 | 2.000 |
| Worst Hold Violation | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Hold Violation | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Compare More report

clk

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back to raw data

## DC Analysis

| Timing Path Group | INPUTS | OUTPUTS | rclk | wclk | INPUTS | OUTPUTS | rclk | wclk | INPUTS | OUTPUTS | rclk | wclk | INPUTS | OUTPUTS | rclk | wclk |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Levels of Logic | 1.000 | 1.000 | 7.000 | 5.000 | 2.000 | 1.000 | 9.000 | 5.000 | 1.000 | 3.000 | 7.000 | 4.000 | 1.000 | 1.000 | 7.000 | 5.000 |
| Critical Path Length | 0.238 | 0.108 | 0.543 | 0.946 | 0.338 | 0.108 | 0.643 | 0.946 | 0.238 | 0.308 | 0.543 | 0.846 | 0.238 | 0.108 | 0.543 | 0.946 |
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| Critical Path Clk Period | 1.000 | 0.500 | 0.500 | 1.000 | 1.000 | 0.500 | 0.500 | 1.000 | 1.000 | 0.500 | 0.500 | 1.000 | 1.000 | 0.500 | 0.500 | 1.000 |
| Total Negative Slack | 0.000 | 0.000 | -0.106 | 0.000 | 0.000 | 0.000 | -0.206 | 0.000 | 0.000 | 0.000 | -0.106 | 0.000 | 0.000 | 0.000 | -0.106 | 0.000 |
| No. of Violating Paths | 0.000 | 0.000 | 2.000 | 0.000 | 0.000 | 0.000 | 2.000 | 0.000 | 0.000 | 0.000 | 2.000 | 0.000 | 0.000 | 0.000 | 2.000 | 0.000 |
| Worst Hold Violation | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Hold Violation | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Compare More report

clk

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Popupmenu

## DC Analysis

| Timing Path Group | INPUTS | OUTPUTS | rclk | wclk | INPUTS | OUTPUTS | rclk |
|---|---|---|---|---|---|---|---|
| Levels of Logic | 1.000 | 1.000 | 7.000 | 5.000 | 2.000 | 1.000 | 9.000 |
| Critical Path Length | 0.238 | 0.108 | 0.543 | 0.946 | 0.338 | 0.108 | 0.643 |
| Critical Path Slack | 0.643 | 0.292 | -0.066 | 0.035 | 0.543 | 0.292 | -0.166 |
| Critical Path Clk Period | 1.000 | 0.500 | 0.500 | 1.000 | 1.000 | 0.500 | 0.500 |
| Total Negati | | | -0.106 | 0.000 | 0.000 | 0.000 | -0.206 |
| No. of Violat | | | 2.000 | 0.000 | 0.000 | 0.000 | 2.000 |
| Worst Hold Violation | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Hold Violation | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Popup menu items:
- Search Related Report
- Analyze
- Hello!

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**Reference:**
tktable.rpm: https://koji.fedoraproject.org/koji/packageinfo?packageID=3995