

Report

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The main algorithm is quite simple and is reported in as pseudo code:

- Take a cell in the design :
- Change the cell from LVT to HVT
- Count the number of critical path in the slack window
- If the number is too high or the slack is violated, change the cell from HVT to LVT
- Iterate for all the cell in the design

That's all. All the other lines of code are written in order to meet the formal requirements.