PROJECT REPORT

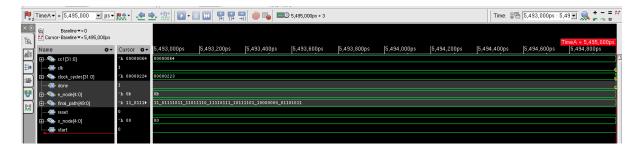
Hardware implementations of Dijkstra's algorithm are popular for applications requiring fast and efficient pathfinding, such as in network routing, autonomous vehicles, and robotics.

Despite the challenges, the parallel processing capabilities of modern hardware accelerators make them well-suited for high-performance adaptations of Dijkstra's algorithm.

COMPARISONS:

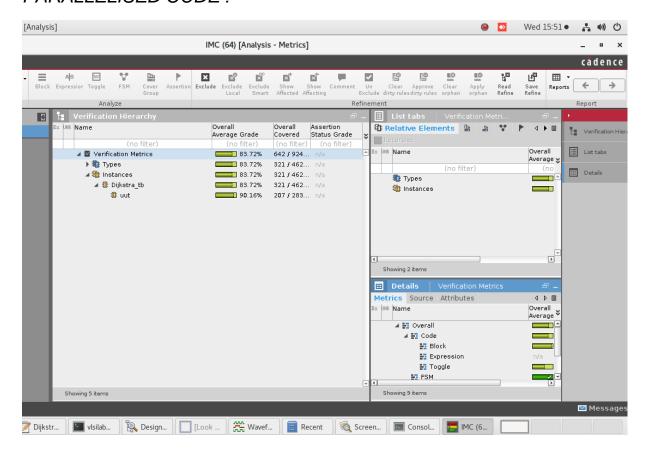
WAVEFORMS

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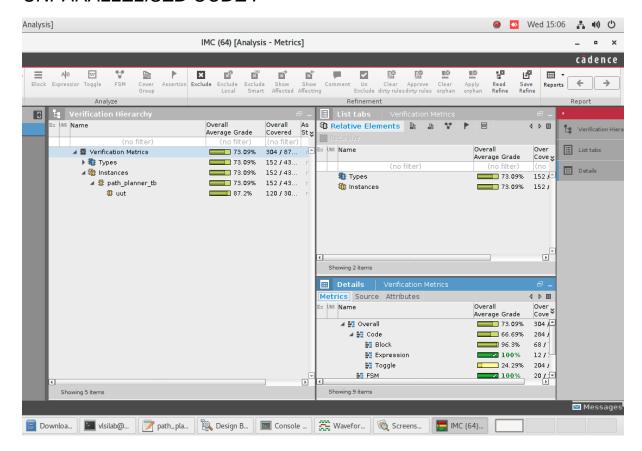


CODE COVERAGE

PARALLELISED CODE:

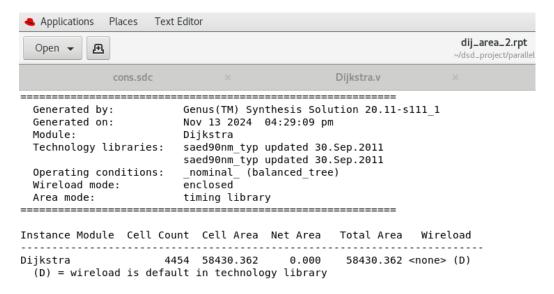


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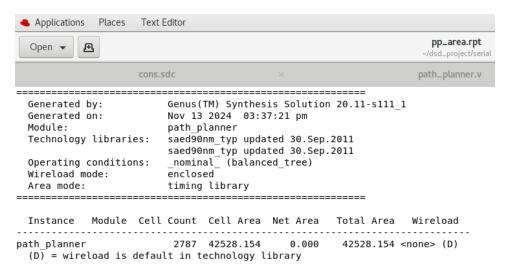


AREA REPORT

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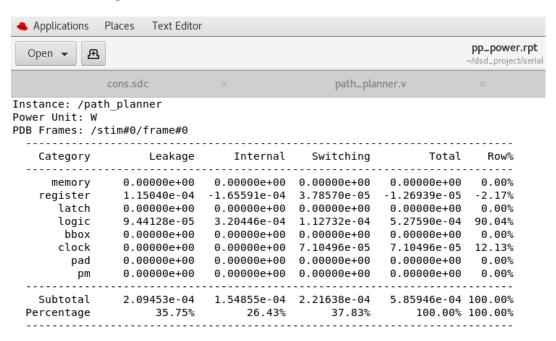


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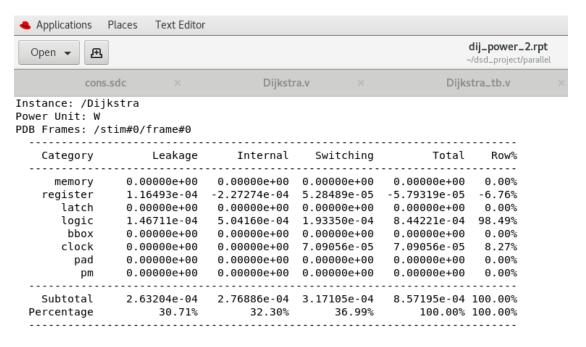


POWER REPORT

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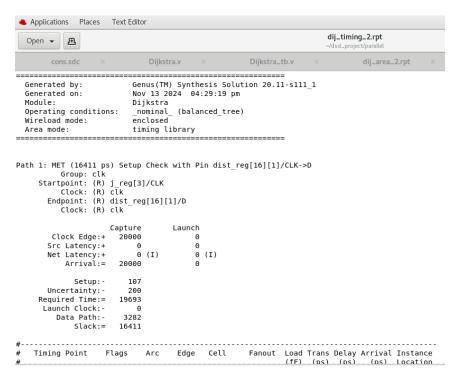


UNPARALLELISED:



TIMING REPORT

PARALLELISED:



UNPARALLELISED:

