Grover’s Quantum Algorithm CPSC 4110

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**Introduction**

This project is based on the use of Grover’s quantum algorithm in solving the satisfiability problem. To talk about the algorithm, we first need to discuss the satisfiability problem itself, specifically, Boolean satisfiability.

**Boolean Satisfiability**

The Boolean satisfiability problem “asks whether the variables of a given Boolean formula can be consistently replaced by the values TRUE or FALSE in such a way that the formula evaluates to TRUE” [1].

References

1. https://qiskit.org/textbook/ch-applications/satisfiability-grover.html