# Machine Specifications:

## Saim Saleem:

Core i5 8th Generation (Intel(R) Core(TM) i5-8350U CPU @ 1.70GHz 1.90 GHz) Ram: 8GB

# Complexity:

**Prim’s Algorithm**

* **Best Case Scenario:** O(nlog(n))
* **Worst Case Scenario:** O(n2)
* **Average Case Scenario:** O(n2)

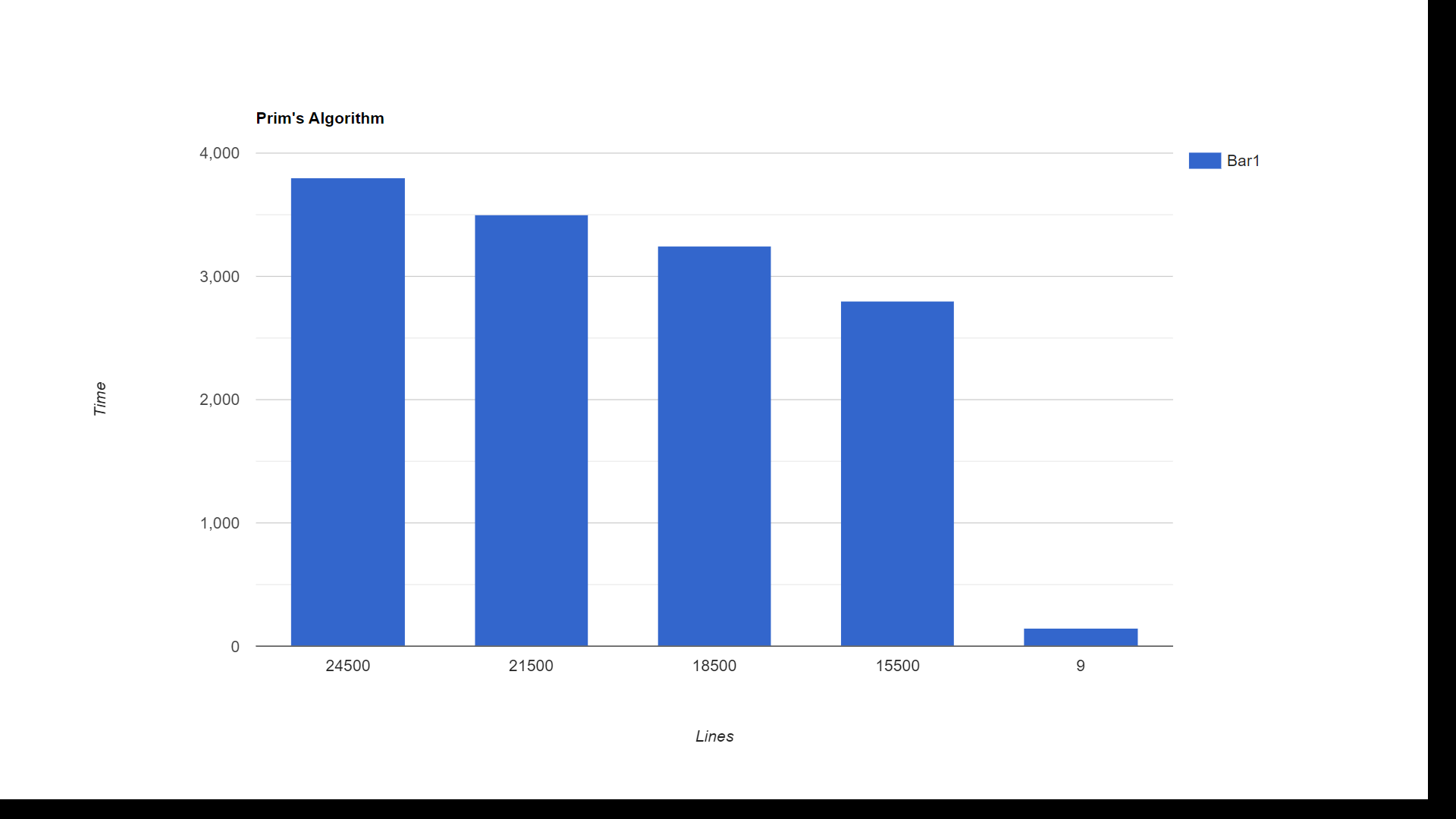
**Kruskal’s** **Algorithm**

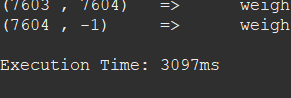
* **Best Case Scenario:** O(nlog(n))
* **Worst Case Scenario:** O(nlog(n))
* **Average Case Scenario:** O(nlog(n))

# Implementation:

**Prim’s:** Heap

**Kruskal’s:** Priority Queue

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**Chart, bar chart

Description automatically generated**

**A picture containing graphical user interface

Description automatically generated**