

Finding the maximum ten claims from a given dataset

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- a) For a data set of 100,000 tuples and a memory restriction of 5MB, the execution time is **294** milliseconds and 500,000 read and write operations.
- b) For a data set of 100,000 tuples and a memory restriction of 10MB, the execution time is **197** milliseconds and 400,000 read and write operations.
- c) For a data set of 1000,000 tuples and a memory restriction of 5MB, the execution time is **1592** milliseconds and 9000,000 read and write operations.
- d) For a data set of 1000,000 tuples and a memory restriction of 10MB, the execution time is **1033** milliseconds and 8000,000 read and write operations.

The top ten claims are as follows: