**SUMMARY**

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| M+N | Time in MS (Basic) | Time in MS (Efficient) | Memory in KB (Basic) | Memory in KB (Efficient) |
| 16 |  |  |  |  |
| 64 |  |  |  |  |
| 128 |  |  |  |  |
| 256 |  |  |  |  |
| 384 |  |  |  |  |
| 512 |  |  |  |  |
| 768 |  |  |  |  |
| 1024 |  |  |  |  |
| 1280 |  |  |  |  |
| 1536 |  |  |  |  |
| 2048 |  |  |  |  |
| 2560 |  |  |  |  |
| 3072 |  |  |  |  |
| 3584 |  |  |  |  |
| 3968 |  |  |  |  |

## Datapoints

## Insights

### Graph1 – Memory vs Problem Size (M+N)

[Add Graph1 here]

#### Nature of the Graph (Logarithmic/ Linear/ Exponential)

Basic:

Efficient:

#### Explanation:

### Graph2 – Time vs Problem Size (M+N)

[Add Graph2 here]

#### Nature of the Graph (Logarithmic/ Linear/ Exponential)

Basic:

Efficient:

#### Explanation:

## Contribution

Anand: Equal Contribution

3549958057: Equal Contribution

Siddharth: Equal Contribution