|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1Kints | 2Kints | 4Kints | 8Kints |
| Insertion | 5 | 7 | 11 | 16 |
| Merge | 1 | 2 | 2 | 3 |
| Quick (without shuffle) | 1 | 1 | 2 | 3 |
| Quick (with shuffle) | 1 | 1 | 2 | 6 |

Dữ liệu sinh ngẫu nhiên:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Mini test (100 int) | Medium test (10k int) | Large test (100k int) | Huge test (10M int) |
| Insertion | 1 | 17 | 717 | Too long |
| Merge | 1 | 3 | 18 | 1602 |
| Quick (without shuffle) | 1 | 2 | 13 | 886 |
| Quick (with shuffle) | 1 | 2 | 13 | 1068 |

Dữ liệu đã được sắp xếp xuôi:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Mini test (100 int) | Medium test (10k int) | Large test (100k int) | Huge test (10M int) |
| Insertion | 1 | 1 | 3 | Too long |
| Merge | 1 | 1 | 10 | 559 |
| Quick (without shuffle) | 1 | 24 | Tràn | Tràn |
| Quick (with shuffle) | 1 | 24 | Tràn | Tràn |

Dữ liệu đã được sắp xếp ngược:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Mini test (100 int) | Medium test (10k int) | Large test (100k int) | Huge test (10M int) |
| Insertion | 1 | 29 | 1343 | Too long |
| Merge | 1 | 1 | 10 | 559 |
| Quick (without shuffle) | 1 | 1 | Tràn | Tràn |
| Quick (with shuffle) | 1 | 43 | Tràn | Tràn |

Dữ liệu toàn giá trị bằng nhau:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Mini test (100 int) | Medium test (10k int) | Large test (100k int) | Huge test (10M int) |
| Insertion | 1 | 1 | 5 | Too long |
| Merge | 1 | 1 | 10 | 569 |
| Quick (without shuffle) | 1 | 23 | Tràn | Tràn |
| Quick (with shuffle) | 1 | 23 | Tràn | Tràn |