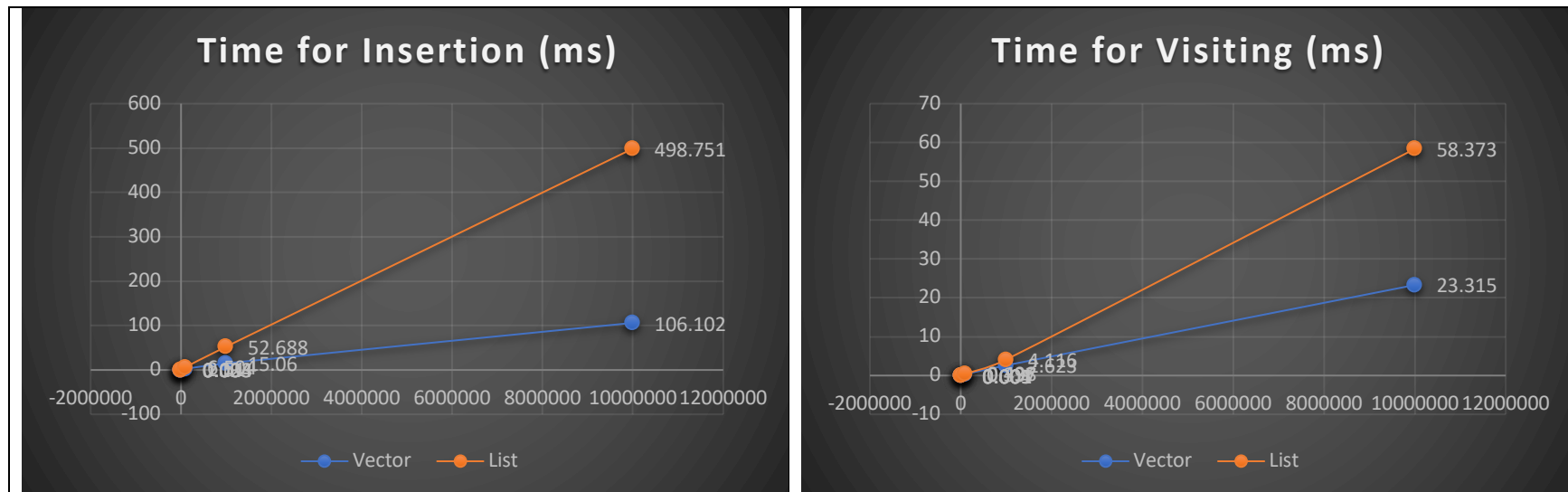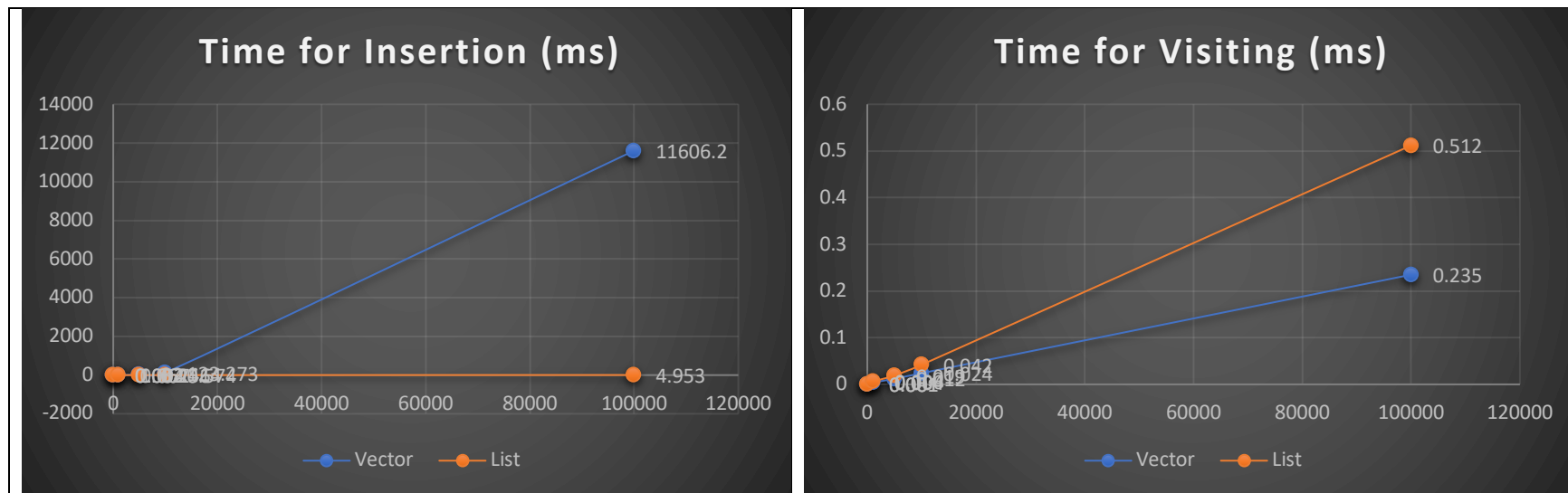This is the table for push_back elements to vector and linked list, element type is integer. The plots below illustrate the data in the table.

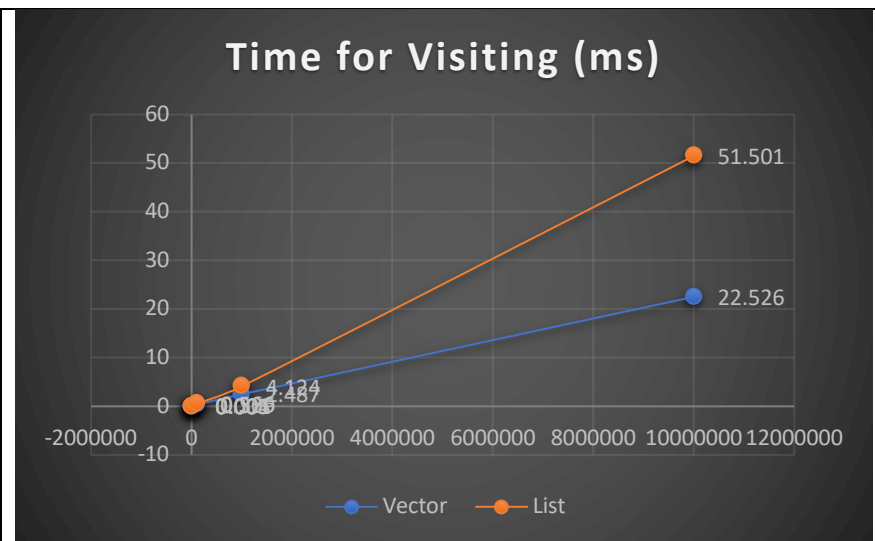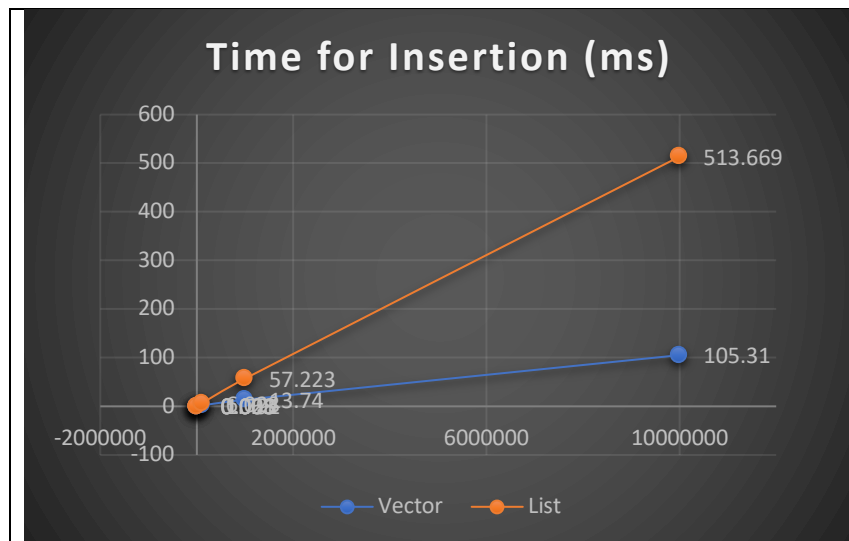| part 1 | Time for push_back elements (integer insertion) | | | | | |
|---|---|---|---|---|---|---|
| | Time for Insertion (ms) | | | Time for Visiting (ms) | | |
| number of elements | Vector | List | | Vector | List | |
| 10 | 0.004 | 0.003 | | 0.001 | 0.001 | |
| 1000 | 0.023 | 0.134 | | 0.004 | 0.005 | |
| 100000 | 2.51 | 6.504 | | 0.337 | 0.498 | |
| 1000000 | 15.06 | 52.688 | | 2.623 | 4.116 | |
| 10000000 | 106.102 | 498.751 | | 23.315 | 58.373 | |

This is the table for push_front elements to vector and linked list, element type is integer. The plots below illustrate the data in the table.

| part 2 | Time for push_front elements (integer insertion) | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| | | Time for Insertion (ms) | | | | Time for Visiting (ms) | |
| number of element | | Vector | List | | | Vector | List |
| 10 | | 0.004 | 0.002 | | | 0.001 | 0.001 |
| 1000 | | 1.667 | 0.061 | | | 0.004 | 0.006 |
| 5000 | | 32.414 | 0.256 | | | 0.012 | 0.019 |
| 10000 | | 123.273 | 0.574 | | | 0.024 | 0.042 |
| 100000 | | 11606.2 | 4.953 | | | 0.235 | 0.512 |

This is the table for push_back elements to vector and linked list, element type is float. The plots below illustrate the data in the table.

| part 1 | Time for push_back elements (float insertion) | | | | | |
|---|---|---|---|---|---|---|
| | Time for Insertion (ms) | | | Time for Visiting (ms) | | |
| number of elements | Vector | List | | | Vector | List |
| 10 | 0.005 | 0.003 | | | 0.001 | 0.001 |
| 1000 | 0.021 | 0.068 | | | 0.004 | 0.005 |
| 100000 | 1.791 | 6.023 | | | 0.329 | 0.566 |
| 1000000 | 13.74 | 57.223 | | | 2.487 | 4.124 |
| 10000000 | 105.31 | 513.669 | | | 22.526 | 51.501 |
| | | | | | | |
| | | | | | | |

This is the table for push_front elements to vector and linked list, element type is float. The plots below illustrate the data in the table.

| part 2 | Time for push_front elements (float insertion) | | | | | |
|---|---|---|---|---|---|---|
| | Time for Insertion (ms) | | | | Time for Visiting (ms) | |
| number of element | Vector | List | | | Vector | List |
| 10 | 0.005 | 0.004 | | | 0.001 | 0.001 |
| 1000 | 1.704 | 0.068 | | | 0.004 | 0.005 |
| 5000 | 32.289 | 0.247 | | | 0.012 | 0.017 |
| 10000 | 121.673 | 0.494 | | | 0.023 | 0.037 |
| 100000 | 11604.2 | 4.958 | | | 0.223 | 0.476 |
| | | | | | | |
| | | | | | | |