**Quick Sort(n=10000)**

| **Pivote\_type** | **Random** | **Shorted** | **Almost Sorted** |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Quick Sort(n=100000)**

| **Pivote\_type** | **Random** | **Shorted** | **Almost Sorted** |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Quick Sort(n=1000000)**

| **Pivote\_type** | **Random** | **Shorted** | **Almost Sorted** |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Quick Sort(n=10000000)**

| **Pivote\_type** | **Random** | **Shorted** | **Almost Sorted** |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Marge Sort**

| **Pivote\_type** | **Random** | **Shorted** | **Almost Sorted** |
| --- | --- | --- | --- |
| **n = 10000** |  |  |  |
| **n = 100000** |  |  |  |
| **n = 1000000** |  |  |  |
| **n = 10000000** |  |  |  |

**What is your observation? Which short is faster and why?**