	Features			Complexity
List of Sorting Algorithms	**Parallel**	**Stable**	**Online**	**Sequential**
Patience Sort				nlogn
Heap Sort				nlogn
Radix Sort	with Bucket			n-rangeofcount
Bucket Sort				n^2
Flash Sort				max(n, final sorting algorithm)
Tree Sort				n^2
Enumeration Sort				n^2
Tim Sort				nlogn
Pigeon Hole Sort			with given range	n-rangeofcount
Burst Sort				n-rangeofcount
Quick Sort				n^2
Selection Sort				n^2
Merge Sort				nlogn
Bubble Sort				n^2
Odd-Even Sort				n^2
Counting Sort			with given range	n-rangeofcount
Insertion Sort				n^2

Parallel
n
x
n-rangeofcount
n^2 (everyone goes to same bucket)
1 with n processors for flashing, and then final sorting algorithm which can do enum with generally fewer processors
x
1 with n^2 processors
nlogn (still has to find runs merging conditions can be made better with different sets merging in parallel)
1
x
(log(n)^2??
n
n
1 for not needing to swap data, log(n) for merging if you swap
nlogn(?)