Stable Can be Stable, depends on implementation  Radix & Bucket Sort
Radix & Bucket Sort
Radix Sort was used to sort punch cards, as an example
Bucket sort is essentially a modified counting sort
Both are best Suited for some special case inputs (input small,  Uniform distributions)  - Also Need Extra Space  Radif > time: O(N)  Space: O(N+K)  Space: O(N+K)  Space: O(N+K)
Uniform distributions)
- Also Need extra Space (8 0 0)
Radik > time: O(N) Bucket sort > time: best/avg = O(n+n)
Space: O(n+K) Worst = O(N 109 N)
Stalin Sort (Not Stable)  Time Complexity: hest/ave/warst: O(N)
Time complexity: best/aug/worst: O(N)
Space complexity: O(1)
"Joke" algorithm, it solves by removing plements to reach a
"Sorted" Grray!