Algorithm Complexity Comparison (Time vs. Space, Per n Elements, Fixed Size Integers)

Complexity Groups

• $T_{2,1}, T_{2,2}, T_{2,3}, T_{2,4}, T_{2,6}, T_{2,7}, T_{n,1}, T_{n,3}, T_{n,4}$: $(O(n \cdot \log(n)), O(n))$

 $T_{2,5r}$: $(O(n^2), O(n \cdot \log(n)))$ $T_{2,5d}, T_{2,15s}$: $(O(n^2), O(n^2))$

 $T_{2,17}$: $(O(n^{\log_2(3)} \cdot \log(n)), O(n))$

 $T_{2,15p}$: $(O(n^2), O(n))$

 $T_{2,21}$: (O(n), O(1)) $T_{n,9}$: $(O(\log(n)), O(n))$

 $T_{2,8}, T_{2,9}, T_{2,10}, T_{2,13}, T_{n,2}$: (O(n), O(n))

