Sorting Runtimes 19,000 18,000 17,000 16,000 15,000 14,000 13,000 12,000 Average sort time 11,000 10,000 9,000 8,000 8,000 7,000 6,000 5,000 4,000 3,000 2,000 1,000 0 70,000 80,000 10,000 20,000 30,000 40,000 50,000 60,000 90,000 100,000 110,000 120,000 130,000 140,000 150,000 Number of Inputs - N

SelectionSort - BubbleSort - InsertionSort - MergeSort

QuickSort — ShellSort