

N	Selection Sort (ns)	Insertion Sort (ns)	Stalin Sort (ns)
10	7880	6800	7380
1000	7942280	6588140	49840
10000	80947740	36412600	486280

The graph illustrates the performance of three sorting algorithms: Selection Sort, Insertion Sort, and Stalin Sort. The x-axis represents the number of elements (N), ranging from 0 to 10,000. The y-axis represents the execution time in nanoseconds (ns), ranging from 0 to 1.00E+8. The blue line represents Selection Sort, the red line represents Insertion Sort, and the yellow line represents Stalin Sort. Selection Sort shows the highest execution time, increasing linearly with N. Insertion Sort shows a lower execution time, also increasing linearly but at a slower rate than Selection Sort. Stalin Sort shows the lowest execution time, remaining relatively flat and much lower than the other two algorithms.

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