1. Análise assintótica

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2 - Aplicação dos algoritmos de ordenação nos seguintes conjuntos de números:

* [50, 22, 85, 14, 31, 20]
* [35, 77, 44, 38, 22, 56]
* Bubble Sort

[50, 22, 85, 14, 31, 20] → [50, 22, 85, 14, 31, 20] → [22, 50, 85, 14, 31, 20] →

[22, 50, 85, 14, 31, 20] → [22, 50, 85, 14, 31, 20] → [22, 50, 85, 14, 31, 20] →

[22, 50, 14, 85, 31, 20] → [22, 50, 14, 85, 31, 20] → [22, 50, 14, 31, 85, 20] →

[22, 50, 14, 31, 85, 20] → [22, 50, 14, 31, 20, 85] → [22, 50, 14, 31, 20, 85] →

[22, 50, 14, 31, 20, 85] → [22, 50, 14, 31, 20, 85] → [22, 14, 50, 31, 20, 85] →

[22, 14, 50, 31, 20, 85] → [22, 14, 31, 50, 20, 85] → [22, 14, 31, 50, 20, 85] →

[22, 14, 31, 20, 50, 85] → [22, 14, 31, 20, 50, 85] → [14, 22, 31, 20, 50, 85] →

[14, 22, 31, 20, 50, 85] → [14, 22, 31, 20, 50, 85] → [14, 22, 20, 31, 50, 85] →

[14, 22, 20, 31, 50, 85] → [14, 22, 20, 31, 50, 85] → [14, 20, 22, 31, 50, 85] →

[14, 20, 22, 31, 50, 85] → [14, 20, 22, 31, 50, 85] → [14, 20, 22, 31, 50, 85]

[35, 77, 44, 38, 22, 56] → [35, 77, 44, 38, 22, 56] → [35, 77, 44, 38, 22, 56] →

[35, 44, 77, 38, 22, 56] → [35, 44, 77, 38, 22, 56] → [35, 44, 38, 77, 22, 56] →

[35, 44, 38, 77, 22, 56] → [35, 44, 38, 77, 22, 56] → [35, 44, 38, 22, 77, 56] →

[35, 44, 38, 22, 77, 56] → [35, 44, 38, 22, 56, 77] → [35, 44, 38, 22, 56, 77] →

[35, 44, 38, 22, 56, 77] → [35, 38, 44, 22, 56, 77] → [35, 38, 44, 22, 56, 77] →

[35, 38, 22, 44, 56, 77] → [35, 38, 22, 44, 56, 77] → [35, 38, 22, 44, 56, 77] →

[35, 38, 22, 44, 56, 77] → [35, 38, 22, 44, 56, 77] → [35, 22, 38, 44, 56, 77] →

[35, 22, 38, 44, 56, 77] → [35, 22, 38, 44, 56, 77] → [35, 22, 38, 44, 56, 77] →

[22, 35, 38, 44, 56, 77] → [22, 35, 38, 44, 56, 77] → [22, 35, 38, 44, 56, 77] →

[22, 35, 38, 44, 56, 77]

* Selection Sort

[50, 22, 85, 14, 31, 20] → [50, 22, 85, 14, 31, 20] → [14, 22, 85, 50, 31, 20] →

[14, 22, 85, 50, 31, 20] → [14, 20, 85, 50, 31, 22] → [14, 20, 85, 50, 31, 22] →

[14, 20, 22, 50, 31, 85] → [14, 20, 22, 50, 31, 85] → [14, 20, 22, 31, 50, 85] →

[14, 20, 22, 31, 50, 85]

[35, 77, 44, 38, 22, 56] → [35, 77, 44, 38, 22, 56] → [22, 77, 44, 38, 35, 56] →

[22, 77, 44, 38, 35, 56] → [22, 35, 44, 38, 77, 56] → [22, 35, 44, 38, 77, 56] →

[22, 35, 38, 44, 77, 56] → [22, 35, 38, 44, 77, 56] → [22, 35, 38, 44, 56, 77]

* Insertion Sort

[50, 22, 85, 14, 31, 20] → [50, 22, 85, 14, 31, 20] → [22, 50, 85, 14, 31, 20] →

[22, 50, 85, 14, 31, 20] → [22, 50, 85, 14, 31, 20] → [22, 50, 14, 85, 31, 20] →

[22, 50, 14, 85, 31, 20] → [22, 14, 50, 85, 31, 20] → [22, 14, 50, 85, 31, 20] →

[14, 22, 50, 85, 31, 20] → [14, 22, 50, 85, 31, 20] → [14, 22, 50, 85, 31, 20] →

[14, 22, 50, 31, 85, 20] → [14, 22, 50, 31, 85, 20] → [14, 22, 50, 31, 85, 20] →

[14, 22, 31, 50, 85, 20] → [14, 22, 31, 50, 85, 20] → [14, 22, 31, 50, 20, 85] →

[14, 22, 31, 50, 20, 85] → [14, 22, 31, 20, 50, 85] → [14, 22, 31, 20, 50, 85] →

[14, 22, 20, 31, 50, 85] → [14, 22, 20, 31, 50, 85] → [14, 20, 22, 31, 50, 85] →

[14, 20, 22, 31, 50, 85]

[35, 77, 44, 38, 22, 56] → [35, 77, 44, 38, 22, 56] → [35, 77, 44, 38, 22, 56] →

[35, 44, 77, 38, 22, 56] → [35, 44, 77, 38, 22, 56] → [35, 44, 38, 77, 22, 56] →

[35, 38, 44, 77, 22, 56] → [35, 38, 44, 77, 22, 56] → [35, 38, 44, 22, 77, 56] →

[35, 38, 44, 22, 77, 56] → [35, 38, 22, 44, 77, 56] → [35, 38, 22, 44, 77, 56] →

[35, 22, 38, 44, 77, 56] → [35, 22, 38, 44, 77, 56] → [22, 35, 38, 44, 77, 56] →

[22, 35, 38, 44, 77, 56] → [22, 35, 38, 44, 56, 77] → [22, 35, 38, 44, 56, 77]