Algorítmica: práctica 1 Análisis de la eficiencia de algoritmos

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15 de marzo de 2017

Test

Hola a todos Me gustan los ponies Helicóptero

$$f_X = x^4 + 5$$

- Unicornio
- Pony
- Caballo

- 1. Unicornio
- 2. Pony
- 3. Caballo

Teorema

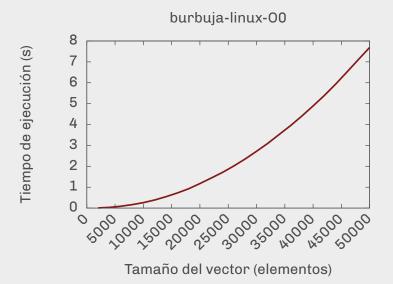
Esto es un teorema.

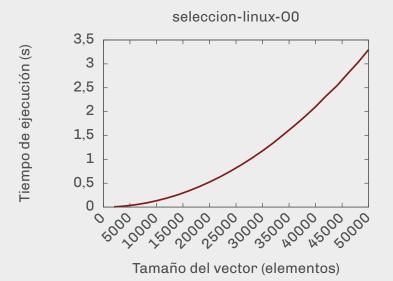
Corolario

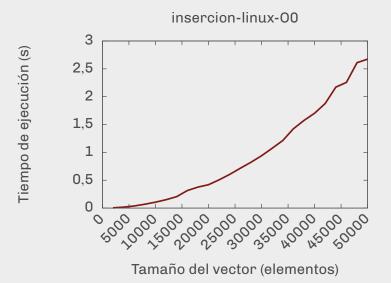
Esto es un corolario.

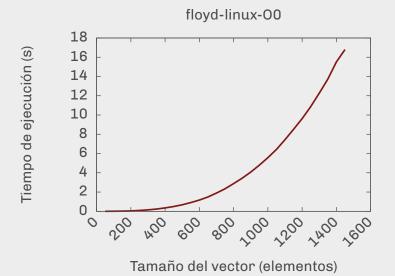
Demostración.

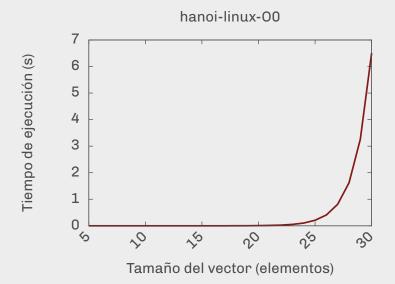
$$d((t,x),(t_0,x_0)) = \sqrt{(t-t_0)^2 + (x-x_0)^2} < \varepsilon_0$$

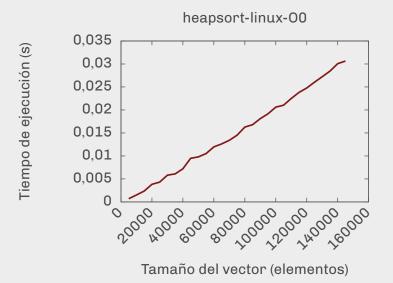


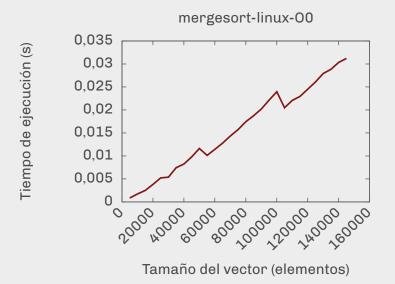


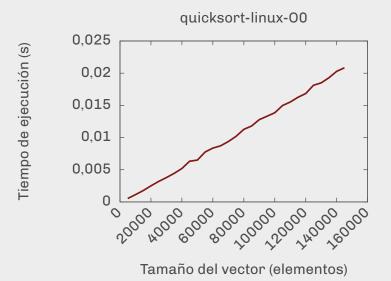




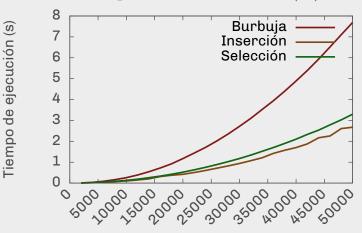




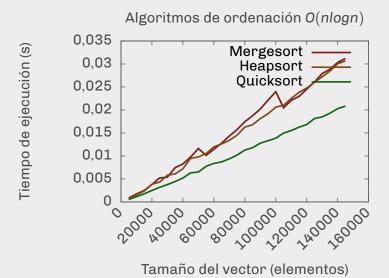


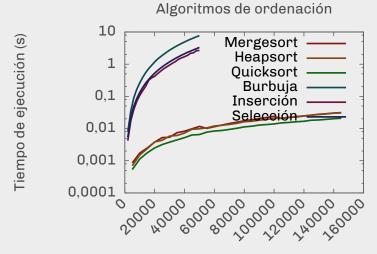


Algoritmos de ordenación $O(n^2)$



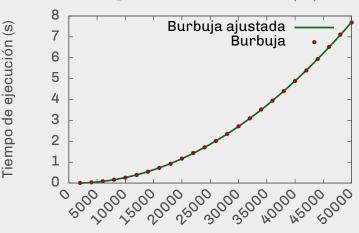
Tamaño del vector (elementos)





Tamaño del vector (elementos)

Algoritmos de ordenación $O(n^2)$



Tamaño del vector (elementos)

Elementos Burbuja Selección Inserción 2,000 8,02 · 10 ⁻³ 5,4 · 10 ⁻³ 4,21 · 10 ⁻³ 4,000 3,5 · 10 ⁻² 2,17 · 10 ⁻² 1,74 · 10 ⁻² 6,000 8,93 · 10 ⁻² 4,84 · 10 ⁻² 3,87 · 10 ⁻² 8,000 0,16 8,52 · 10 ⁻² 6,94 · 10 ⁻² 10,000 0,26 0,13 0,11 12,000 0,39 0,19 0,15 14,000 0,55 0,26 0,21 16,000 0,73 0,34 0,32 18,000 0,93 0,43 0,38 20,000 1,18 0,52 0,42 22,000 1,44 0,63 0,51 24,000 1,71 0,76 0,61 Algoritmos 26,000 2,02 0,89 0,72 28,000 2,35 1,03 0,82 30,000 2,72 1,18 0,94 32,000 3,1 1,34 1,07 34,000 3,53 1,52 1,21 36,000 3,95 1,71 1,42 38,000 4,4 1,9 1,57 40,000 4,89 2,1 1,7 42,000 5,39 2,33 1,88 44,000 5,94 2,54 2,17 46,000 6,52 2,79 2,26 48,000 7,11 3,03 2,61 50,000 7,69 3,3 2,67	s que
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