

Laboratorio 8

Simple Set

main		9,023 ms (100%)	9,023 ms
WordTypeCounter.main (String[])		9,023 ms (100%)	9,023 ms
SimpleSet.get (Word)		6,151 ms (68.2%)	6,151 ms
java.util.Scanner.next ()		2,515 ms (27.9%)	2,515 ms
java.lang.String.split (String)		180 ms (2%)	180 ms
Self time		64.2 ms (0.7%)	64.2 ms
java.io.BufferedReader.readLine ()		50.7 ms (0.6%)	50.7 ms
java.lang.String.toLowerCase ()		25.2 ms (0.3%)	25.2 ms
Word.getType ()		13.0 ms (0.1%)	13.0 ms
java.lang.ClassLoader.loadClass (String)		11.4 ms (0.1%)	11.4 ms
java.util.Scanner.<clinit>		11.3 ms (0.1%)	11.3 ms

Red Black Tree Set

main		2,396 ms (100%)	2,396 ms
WordTypeCounter.main (String[])		2,396 ms (100%)	2,396 ms
java.util.Scanner.next ()		2,165 ms (90.4%)	2,165 ms
java.lang.String.split (String)		116 ms (4.9%)	116 ms
java.io.BufferedReader.readLine ()		57.2 ms (2.4%)	57.2 ms
RedBlackTree.add (Word)		12.9 ms (0.5%)	12.9 ms
java.lang.String.trim ()		11.4 ms (0.5%)	11.4 ms
java.lang.String.toLowerCase ()		11.4 ms (0.5%)	11.4 ms
java.util.Scanner.<init> (java.io.InputStream)		11.3 ms (0.5%)	11.3 ms
Self time		10.3 ms (0.4%)	10.3 ms

Splay Tree

main		8,439 ms (100%)	8,439 ms
WordTypeCounter.main (String[])		8,439 ms (100%)	8,439 ms
SplayTree.get (Word)		5,901 ms (69.9%)	5,901 ms
java.util.Scanner.next ()		2,137 ms (25.3%)	2,137 ms
java.lang.String.split (String)		173 ms (2.1%)	173 ms
Self time		100 ms (1.2%)	100 ms
java.io.BufferedReader.readLine ()		76.3 ms (0.9%)	76.3 ms
java.lang.String.toLowerCase ()		23.5 ms (0.3%)	23.5 ms
java.lang.String.trim ()		16.1 ms (0.2%)	16.1 ms
java.util.Scanner.<init> (java.io.InputStream)		11.3 ms (0.1%)	11.3 ms

Hash Table Set

▼ main		2,984 ms (100%)	2,984 ms
▼ WordTypeCounter.main (String[])		2,984 ms (100%)	2,984 ms
⌚ java.util.Scanner.next ()		2,597 ms (87%)	2,597 ms
⌚ java.lang.String.split (String)		200 ms (6.7%)	200 ms
⌚ java.io.BufferedReader.readLine ()		66.3 ms (2.2%)	66.3 ms
⌚ Self time		47.6 ms (1.6%)	47.6 ms
▶ HashTableSet.add (Word)		27.6 ms (0.9%)	27.6 ms
⌚ java.lang.String.trim ()		11.5 ms (0.4%)	11.5 ms
⌚ java.util.Scanner.<clinit>		11.4 ms (0.4%)	11.4 ms
⌚ java.util.Scanner.<init> (java.io.InputStream)		11.3 ms (0.4%)	11.3 ms
⌚ java.lang.String.toLowerCase ()		11.3 ms (0.4%)	11.3 ms

Tree Map Set

▼ main		2,648 ms (100%)	2,648 ms
▼ WordTypeCounter.main (String[])		2,648 ms (100%)	2,648 ms
⌚ java.util.Scanner.next ()		2,232 ms (84.3%)	2,232 ms
⌚ java.lang.String.split (String)		127 ms (4.8%)	127 ms
▶ TreeMapSet.add (Word)		123 ms (4.7%)	123 ms
⌚ java.io.BufferedReader.readLine ()		78.3 ms (3%)	78.3 ms
⌚ Self time		65.5 ms (2.5%)	65.5 ms
⌚ java.util.Scanner.<init> (java.io.InputStream)		11.5 ms (0.4%)	11.5 ms
⌚ java.lang.String.toLowerCase ()		10.3 ms (0.4%)	10.3 ms
▶ TreeMapSet.get (Word)		0.000 ms (0%)	0.000 ms

El que elegimos fue el Red-Black Tree pues fue el que tomo menos tiempo en procesar los datos.