#### Laboratorio 8

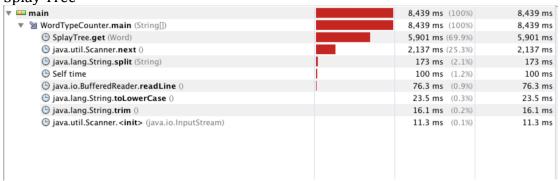
## Simple Set

▼ <del></del>	9,023 ms (100%)	9,023 ms
WordTypeCounter.main (String[])	9,023 ms (100%)	9,023 ms
► Mac SimpleSet.get (Word)	6,151 ms (68.2%)	6,151 ms
(1) java.util.Scanner.next	2,515 ms (27.9%)	2,515 ms
(5) java.lang.String.split (String)	180 ms (2%)	180 ms
Self time	64.2 ms (0.7%)	64.2 ms
(1) java.io.BufferedReader.readLine (1)	50.7 ms (0.6%)	50.7 ms
(b) java.lang.String.toLowerCase ()	25.2 ms (0.3%)	25.2 ms
⊕ Word.getType ()	13.0 ms (0.1%)	13.0 ms
(5) java.lang.ClassLoader.loadClass	11.4 ms (0.1%)	11.4 ms
(b) java.util.Scanner. <clinit></clinit>	11.3 ms (0.1%)	11.3 ms

### Red Black Tree Set

	2,396 ms (100%)	2,396 ms
	2,396 ms (100%)	2,396 ms
	2,165 ms (90.4%)	2,165 ms
	116 ms (4.9%)	116 ms
I	57.2 ms (2.4%)	57.2 ms
	12.9 ms (0.5%)	12.9 ms
	11.4 ms (0.5%)	11.4 ms
	11.4 ms (0.5%)	11.4 ms
	11.3 ms (0.5%)	11.3 ms
	10.3 ms (0.4%)	10.3 ms
		2,396 ms (100%) 2,165 ms (90.4%) 116 ms (4.9%) 57.2 ms (2.4%) 12.9 ms (0.5%) 11.4 ms (0.5%) 11.4 ms (0.5%) 11.3 ms (0.5%)

# Splay Tree



### Hash Table Set

▼ <sup>===</sup> main		2,984 ms (100%)	2,984 ms
WordTypeCounter.main (String[])		2,984 ms (100%)	2,984 ms
(1) java.util.Scanner.next		2,597 ms (87%)	2,597 ms
(String) java.lang.String.split (String)		200 ms (6.7%)	200 ms
(1) java.io.BufferedReader.readLine (1)		66.3 ms (2.2%)	66.3 ms
Self time		<b>47.6 ms</b> (1.6%)	47.6 ms
▶ MashTableSet.add (Word)		27.6 ms (0.9%)	27.6 ms
(b) java.lang.String.trim ()		11.5 ms (0.4%)	11.5 ms
(b) java.util.Scanner. <clinit></clinit>		11.4 ms (0.4%)	11.4 ms
java.util.Scanner. <init> (java.io.InputStream)</init>		11.3 ms (0.4%)	11.3 ms
(b) java.lang.String.toLowerCase ()		11.3 ms (0.4%)	11.3 ms
	<u> </u>		

Tree Map Set

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▼ 🔤 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
(String) java.lang.String.split (String)	127 ms (4.8%)	127 ms
► MapSet.add (Word)	123 ms (4.7%)	123 ms
java.io.BufferedReader.readLine ()	78.3 ms (3%)	78.3 ms
(5) Self time	65.5 ms (2.5%)	65.5 ms
java.util.Scanner. <init> (java.io.InputStream)</init>	11.5 ms (0.4%)	11.5 ms
(a) 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.