|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Description** | **Temps d’exécution total (ms)** | | | **Temps d’exécution par méthode (ms)** | | | **Méthodes exécutées** | | |
| **Java** | **PpFf** | **FastFlow** | **Java** | **PpFf** | **FastFlow** | **Java** | **PpFf** | **FastFlow** |
| **ReadLines** | 10.13 | 88 | 89 | 10.13 | 88 | 89 | Files.lines | linesFromFile | linesFromFileStage |
| **FlatMap** | 10.21 | 990 | 942 | 0.08 | 902 | 853 | flatMap | flatMap | splitInWordsStage+flatStage |
| **Lowercase** | 10.37 | 2245 | 2179 | 0.16 | 1255 | 1237 | map | map | toLowercaseLettersStage |
| **Filter** | 10.83 | 2812 | 2730 | 0.46 | 576 | 551 | filter | find | filterEmptyWordsStage |
| **Group** | 498.9 | 3261 | 3148 | 488.07 | 449 | 418 | map+collect+entrySet+collect | groupByKey | groupByKeyStage |