

| | Precision | Recall | Time |
|---------------|-----------|--------|------|
| Grep | 0.5 | 0.17 | 412s |
| Inverse Index | 0.59 | 0.37 | 0.1s |
| Pylucene | 0.75 | 0.76 | 0.1s |

Inverse Index is 4120 times faster than grep.

Inverse index has higher precision and recall due to stemming, removal of non alphabets and also due to case insensitivity.

Pylucene is much faster as well as much much more precise and accurate probably due to good lemmatization and other techniques.