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| **Differences** | **Pytorch** | **Tensor Flow** |
| **API Level** | Low | High and Low |
| **Architecture** | Complex, less readable | Not easy to use |
| **Datasets** | Large datasets, high performance | Large datasets, high performance |
| **Debugging** | Good debugging capabilities | Difficult to conduct debugging |
| **Does It Have Trained Models?** | Yes | Yes |
| **Popularity** | Third most popular | Second most popular |
| **Speed** | Fast, high-performance | Fast, high-performance |
| **Written In** | Lua | C++, Python |
| **Average Training Time** | 7.67 seconds | 11.19 seconds |
| **Preprocessing** | Characters | Tokens |