# Indri

1. Written in C++
2. Developed by university of Massachusetts, part of the lemur project, Carnegie Mellon University also participate the development
3. Retrieval model is a combination of language modeling approaches
4. Indri can handle multiple fields per document, important for web search
5. It support automatic query expansion
6. pseudo relevance feedback steps
   1. The user issues a (short, simple) query.
   2. The system returns an initial set of retrieval results.
   3. The user marks some returned documents as relevant or nonrelevant.
   4. The system computes a better representation of the information need based on the user feedback.
   5. The system displays a revised set of retrieval results.
7. Support query-independent document scoring

# Wumpus

1. Written in C++
2. Developed by University of Waterloo
3. Do not have the idea of document, no beginning or end
4. All text collection may represent a potential unit for retrieval
5. Query search would not be entire document could be sectional
6. Use GCL(*generalized concordance lists*) retrieval language, based on shortest-substring paradigm(style looks like regular expression)
7. Real time index update
8. Proximity ranking function
9. Provide muti user security restrictions
10. Wumpus also support pseudo relevance feedback
11. Support xPath Query, change the setting in the configuration