Создание поисковой системы

Дмитрий Дзема


Google


YAHOO! SEARCH


bing

Google Commerce Search

$50 000

IBM OmniFind

$96 800

Apache Lucene
Apache Solr
Sphinx
Xapian

Crawling
Indexing
Searching
Ranging

Indexing

Tokenizing
Stop words
Normalization
Lemmatization
Stemming

am, is, are → be

car, cars, car's → car

colour

color

7/10/2010

July 10, 2010
October 7, 2010

Index

Inverted document index

Searching

Boolean query

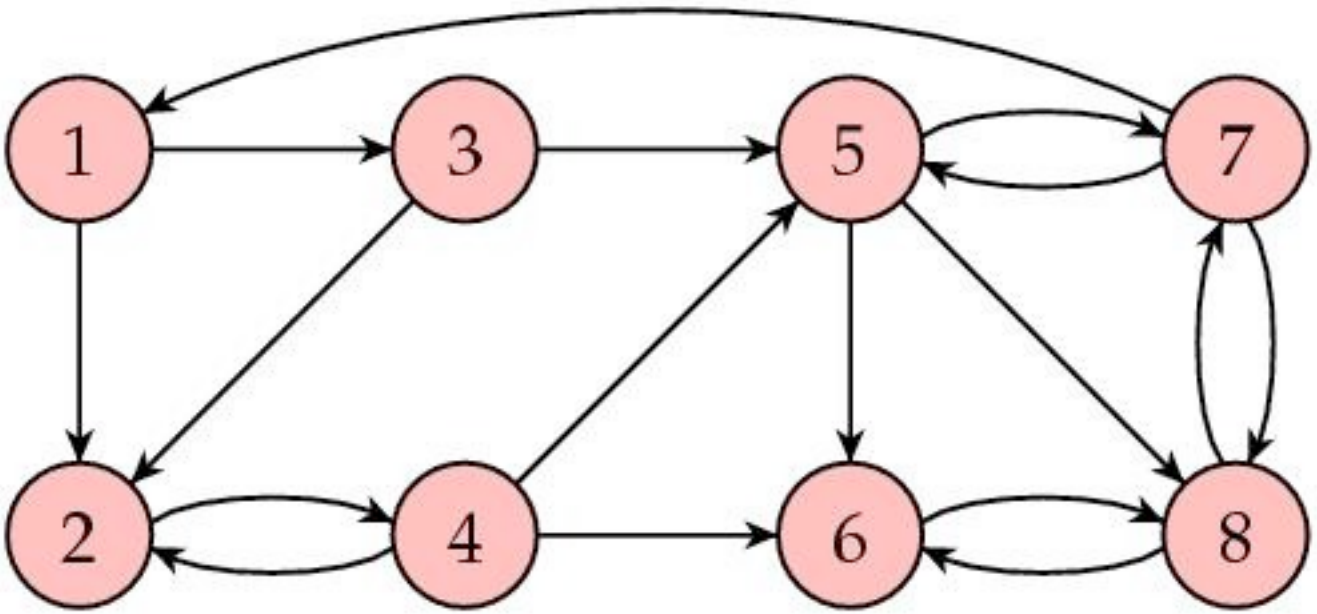
Relevance models

Ranging

Vector space model

$$coord(q,d) * qn(q) \sum_{t \in q} [tf(t \in d) * idf(t)^2 * norm(t,d)]$$

PageRank


1
3
5
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2
4
6
8


Apache
Solr

Java

REST

HTTP + XML/JSON

Documents
Fields

Schema

Clustering

Highlighting
More Like This
Spellchecker
Auto-suggesting

Top results configurations

Faceting


DEAD
END