* Simple model based on ***Set theory*** and ***Boolean Algebra***.
  + Documents are set of terms.
  + Queries are Boolean expression on terms.
* Basic historically most common model.
* Queries specified as Boolean expressions, so, a term is either present or absent. Which is, **Wij** **Σ {0, 1}.**
* Since the queries are Boolean expressions, connectives used are **and, or** & **not**.
* Query result at the end determines if the document is relevant (1) or irrelevant (0).

Advantages of Boolean model:

* Clean formalism
* Easy to implement.
* Intuitive concept.
* Still dominant model for document database system.

Limitations:

* No notion of partial matching, since the retrieval mechanism is based on Boolean expressions.
* No ranking of documents since partial match is not there.
* Information needs to be translated to Boolean expression, which most people are not used to.