QA Search

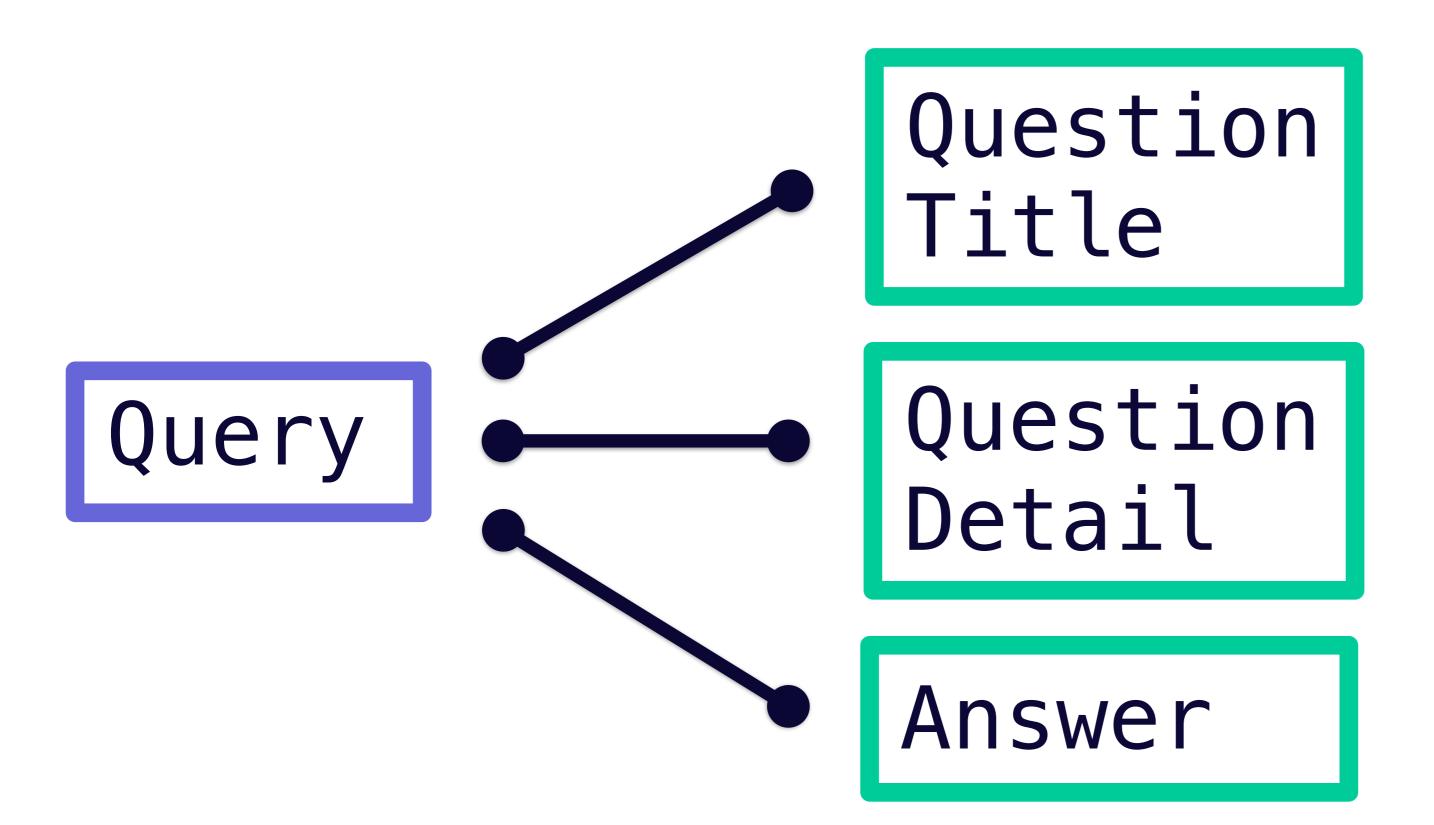
Our goal

>Allow users to search a set of question answer pairs.

>See what fields and retrial techniques methods improve search in a QA context.

1) Baseline

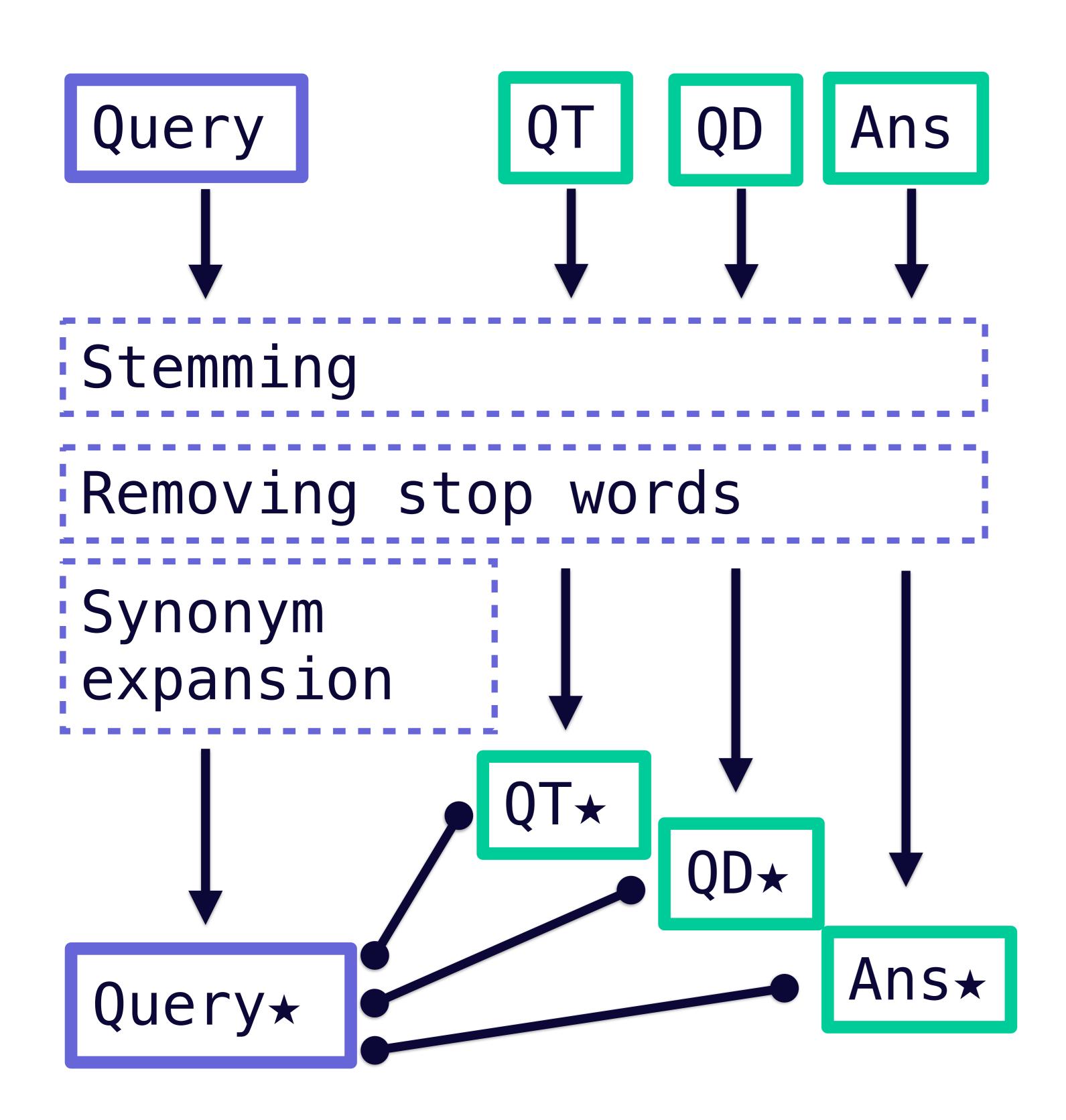
- >Elastic search on any subset of three fields.
- >Lucene practical scoring (tf_idf & vector space model).



2) Advanced search

All of the above as well as:

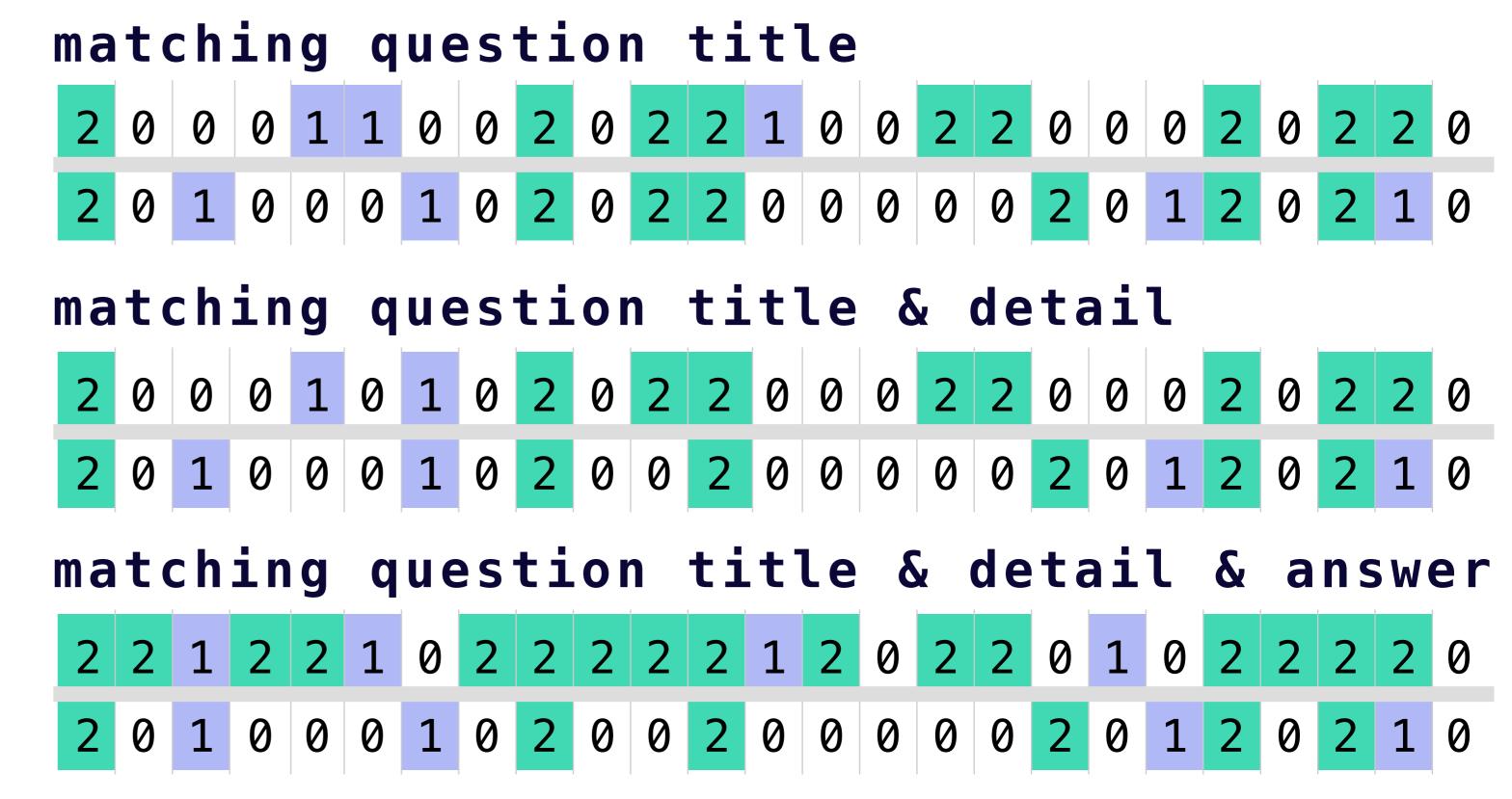
- >Reduce words to their stems.
- >Remove stop words.
- >Expand query with synonyms (wordnet)



Evaluation

'Jeopardy evaluation'

- >Take 50 random answers from the corpus.
- >Formulate new questions for each answer.
- >Query the engine and rate the returned answer w.r.t our question.
 - 0. Not relevant at all
 - 1. Same topic/somewhat relevant
 - 2. Answers the question



*baseline above, advanced below