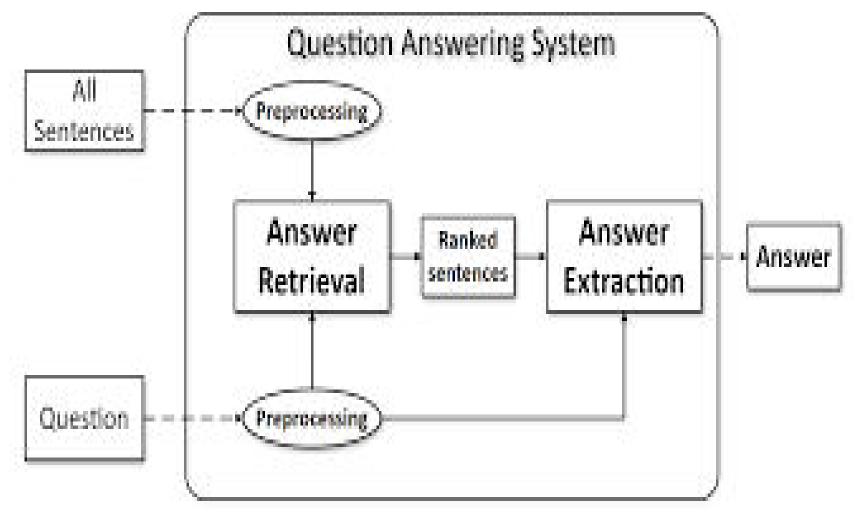


WORDS OVERFLOW

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WHAT WORKED WELL:

- Focus on recall.
- Golden NER rules to improve recall.
- Ensemble of algorithms helped boost recall.

WHAT DIDN'T WORK WELL:

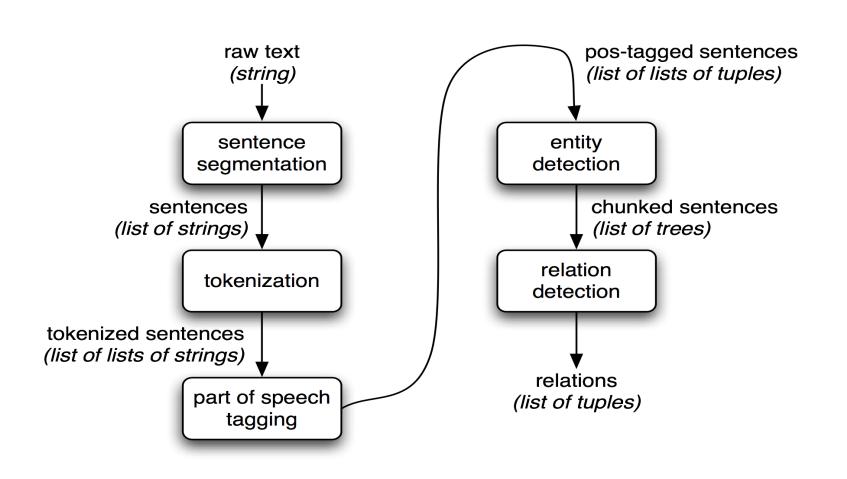
- Implementing coreference resolution, but it didn't work well while predicting the answers.
- Implementing dependency parsing.

SCOPE OF IMPROVEMENT:

- Focus more on precision.
- Implement co-reference in a better way.
- Create more NER rules.
- Weight based on ML algorithms.

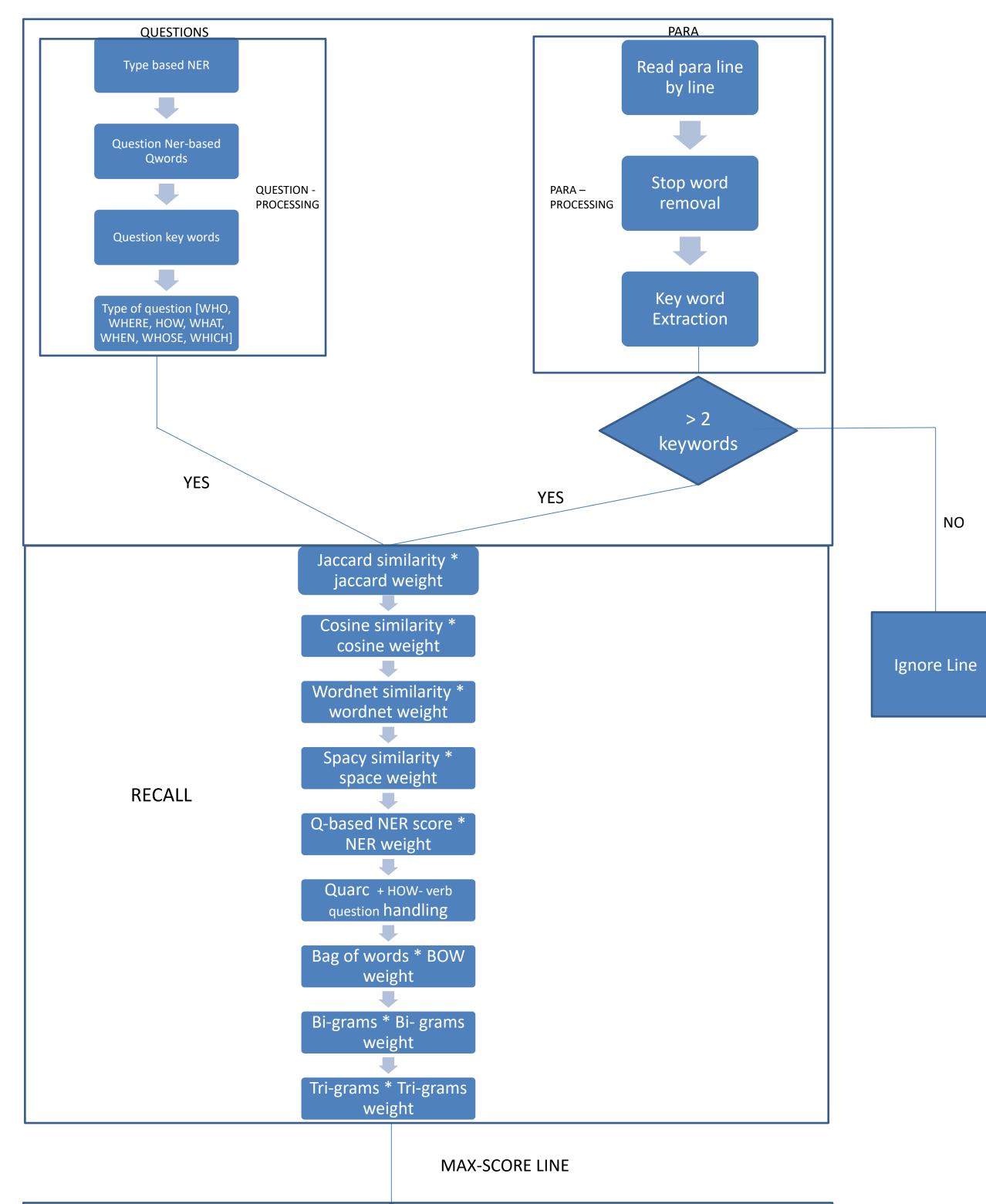
TOOLS USED:

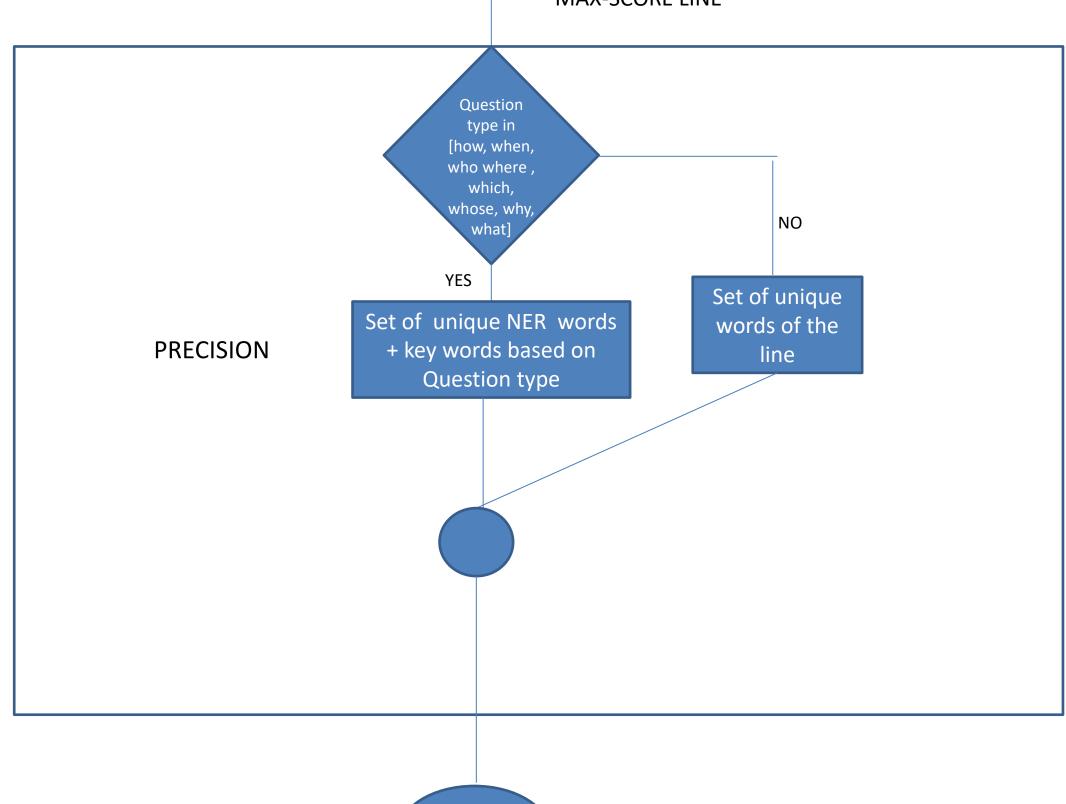
- 1. SPACY
- 2. NLTK
- 3. WORDNET



WORKFLOW:

- 1. Ensemble of various algorithms:
 - WordNET similarity.
 - Spacy similarity.
 - Bag of words score.
 - NER-Based similarity.
 - Bi-grams score.
 - Tri-grams score.
 - Jaccard similarity.
 - Cosine similarity.
- 2. Implemented QUARC rule-based system.
- 3. Calculate NER-based score.
- 4. Focused more on recall [RECALL 0.6447, PRECISION 0.3545, F-SCORE 0.4575]





OUTPUT