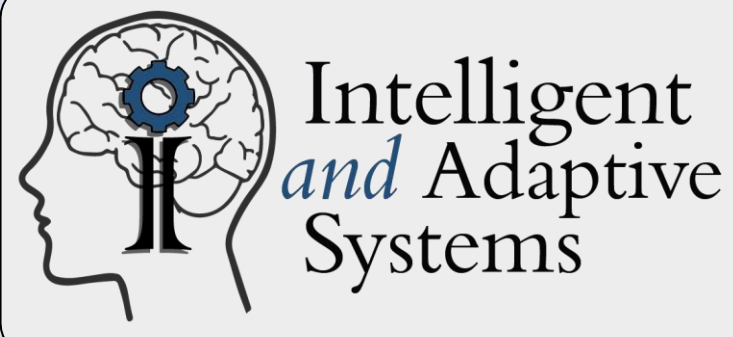


Question Answering System for Legal Domain

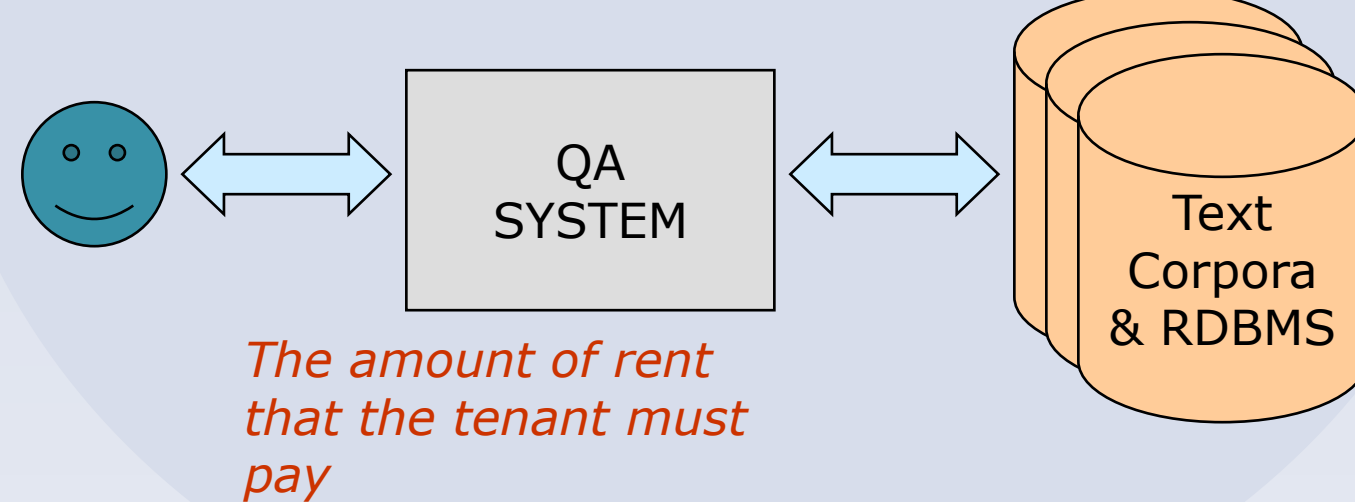
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1 Introduction

- **Inputs:** The input expects a question in English, a set of text or any database resources
- **Output:** The output will be a set of possible answers drawn from the **resources**

What Should a Lease or Rental Agreement Include?



2 Background

Back to 1960s, research on automated QA in the field of AI has started. Many researchers have focused particularly in two main areas of QA called Open domain and, Restricted domain question answering system.

According to Molla and Vicedo, the size of data, the database resources, and the domain context are important factors that can distinguish the open domain from the restricted domain questions answering systems.

Almost all of the QA systems consist of three main processing phases:

- Question Analysis
- Document Processing
- Answer selection

3 Problem

The QA general challenges

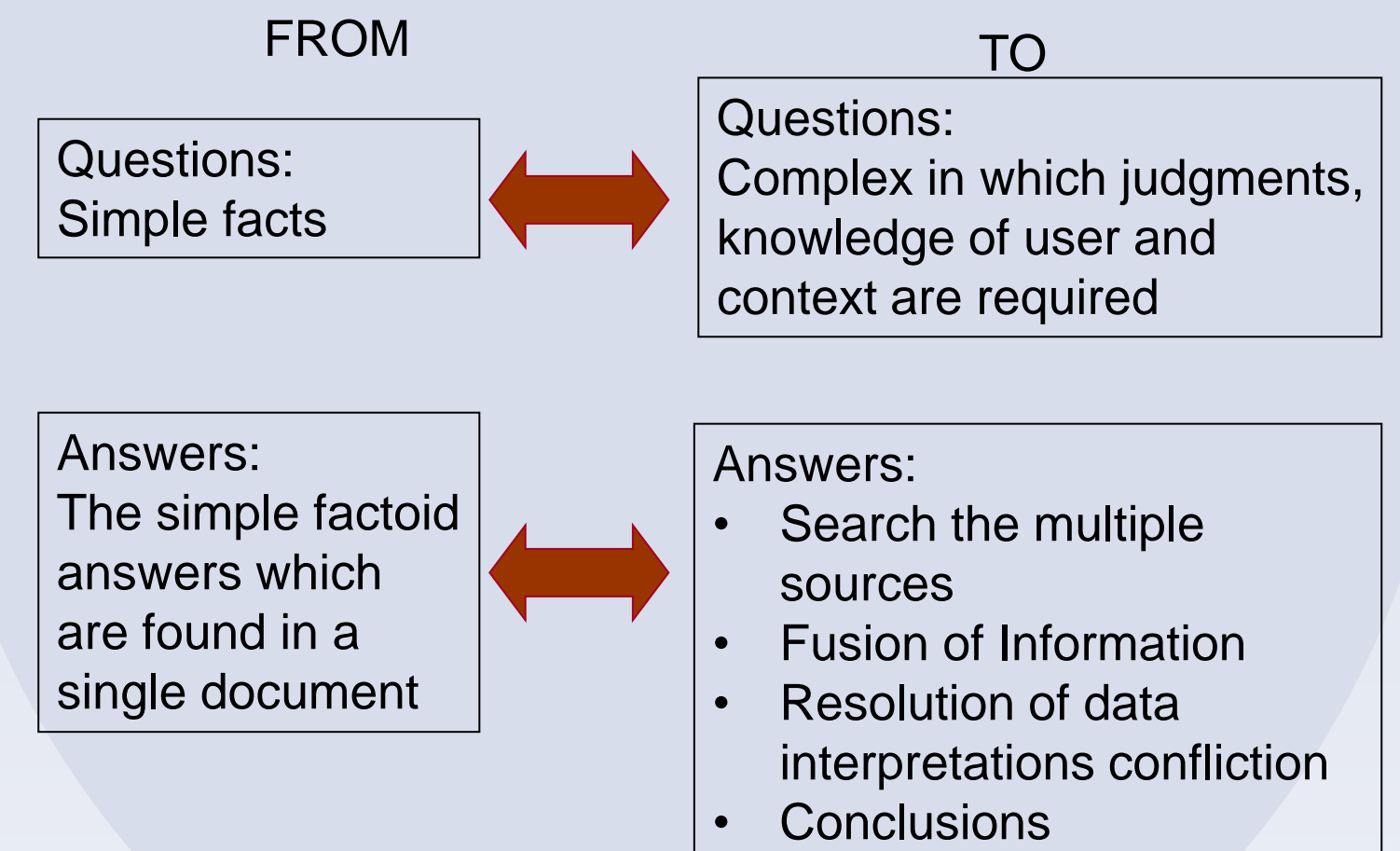
- Processing the queries
- Analyzing the questions
- Context identification
- User adopted answers
- Lack of effective interfaces

The QA challenges in legal domain

- Law is a jurisdictional subject in which the provided answer for a specific question varies by different geographical locations
- Providing legal information instead of legal advice in answer construction process

5 Future Direction

In order to provide information seekers with the accurate answers, this system needs to get beyond the surface-level and the lexico-syntactic analysis to the semantic analysis and the processing of textual, terminological, and ontological resources.



4 Proposed Framework

