ABSTRACT

Temporal knowledge is the knowledge about time of the events and the temporal relationships between events. The temporal knowledge engine allow us to infer the temporal knowledge and temporal relationships.

In this study, a CG model for representing temporal knowledge is studied, a mapping from CG to RDBMS tables also is derived. A simple program for input, edit, display and query on the temporal knowledge is written in Visual Basic, and an inference engine in Prolog is also developed. These two programs are interacted through text files. The engine allows us to reason the possible time of event based on the temporal knowledge available in the knowledge base, it also can deliver the topological order of events.