U.S President Barack Obama's wife Michelle Obama honored all mothers on Mother's Day and offered her thoughts…

0. Data Preprocessing

Sentence	POS	NER
[U.S,President,Barack, Obama,'s,wife,Michelle,Obama…]	[NNP,NNP,NNP,NNP,POS,NN,NNP, NNP…]	[LOC,O,PERSON,PERSON,O,O, PERSON,PERSON…]

1. Feature Extraction

Mentions

Mention	Type
U.S	LOC
Barack Obama	PERSON
Michelle Obama	PERSON

CandidateRelations

Subject	Object	has_spouse
Barack Obama	Michelle Obama	

Features

Subject	Object	feature
Barack Obama	Michelle Obama	's wife

2. Writing Inference Rule

```
inference_rule_1:{
    input_query: """
      SELECT CandidateRelations.has_spouse, Features.feature
      FROM   CandidateRelations, Features
      WHERE CandidateRelations.Subject=Features.Subject
         AND  CandidateRelations.Object=Features.Object"""
    function: "IsTrue(CandidateRelations.has_spouse)"
    weight: "?(Features.feature)"
}
```