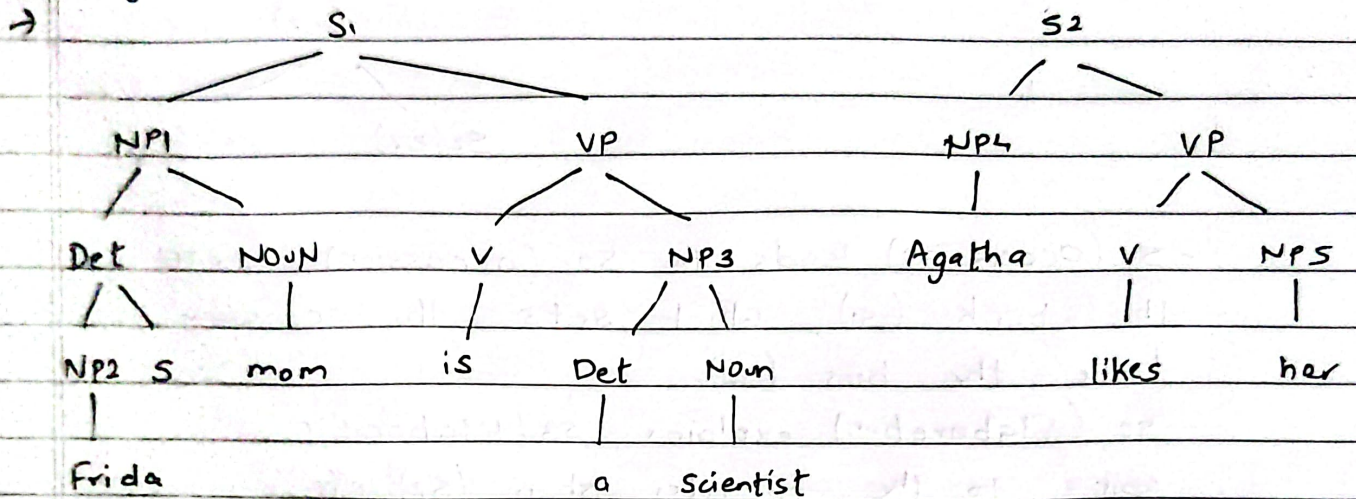


NLP Assignment 5

Q1) consider the sentence "Frida's mother is a scientist. Agatha likes her". and perform anaphoric resolution using Hobbs's Algorithm.



- steps for anaphoric resolution:-

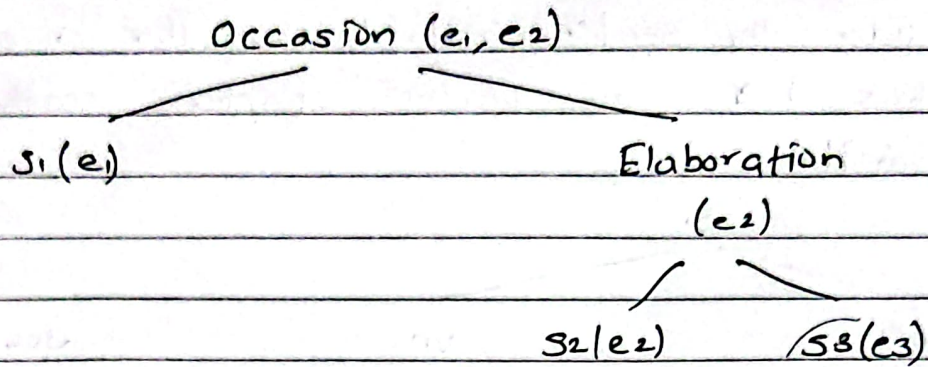
- 1) start search at NP's in S2
- 2) Reject NP4 as no NP node between NP4 & NP5 (S2).
- 3) Move to S1. NP1 is first NP we encounter as final result: Frida's mom.

Q2) consider the sentences given below:-

- Pinto went to bank to deposit his paycheck.
 - He then took a bus to maria's computer shop.
 - He needed to buy a gaming rig.
- Perform discourse segmentation for the given sentence.

→

Discourse Segmentation on given sentences



- s_1 (Occasion) leads to s_2 (occasion): pinto went to the bank (s_1), which sets the occasion for him to take the bus (s_2).
- s_2 (Elaboration) explains s_3 (Elaboration). The action of going to the computer shop (s_2) is elaborated by the purpose (s_3), which is buying gaming rig.