Hierarchical Inference Algorithms

Used to limit the search space for inference.

$$A_1 \leftarrow A_2 \leftarrow \dots \leftarrow A_{k-1} \leftarrow A_k$$

A_i is inference algorithm which can be tuned by a higher level inference algorithm A_{i-1}.

Let us describe such simple algorithm involving our semantic structure approach-

What is the optimal structural representation of a set of hierarchical algorithms – a path (as shown above) or more general – a tree? Should we allow rearrangement of the connectivity pattern based on data? If yes how to implement it?