


## Legend


[t1 ... t7] #Thought

 Unscored

 Positive (output)

 Negative (removed)

 Dependencies

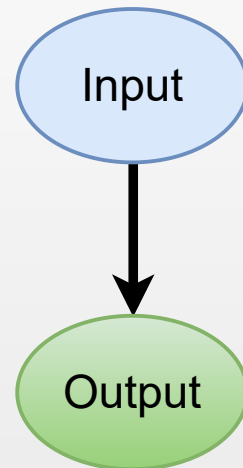
 Backtrack

 Smart Refining (SR)

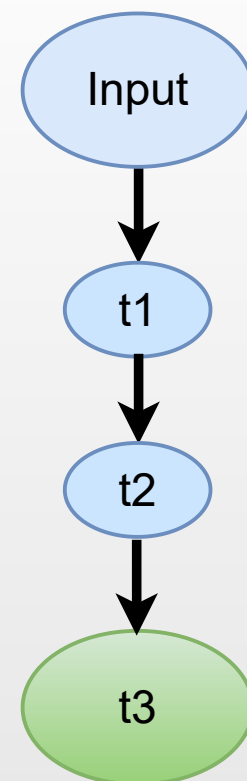
 Optimized Aggregating Thoughts (OAT)

 Forwardlooking Aggregating Chains (FAC)

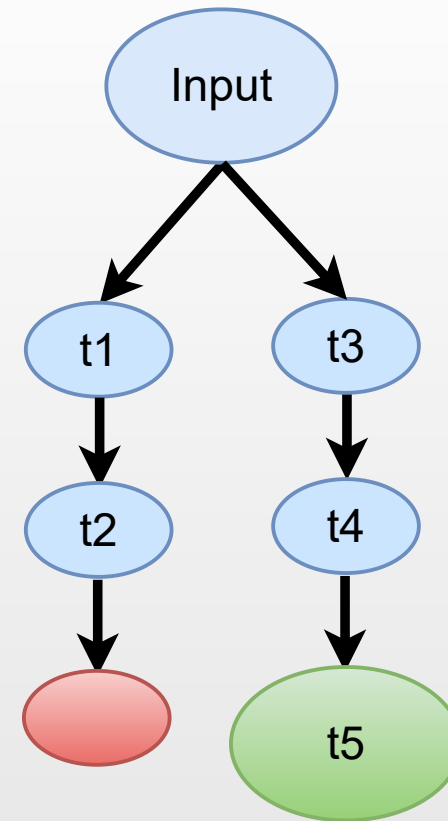
### Input-Output



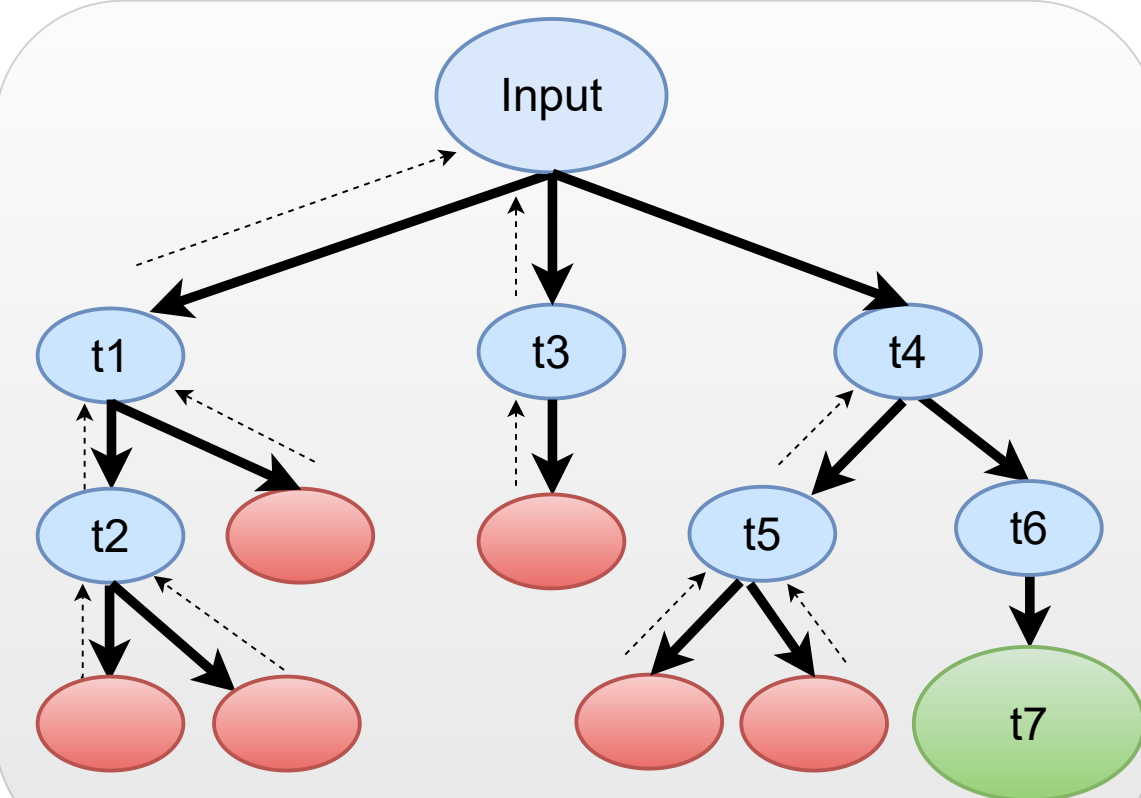
### Chain of Thought (CoT)



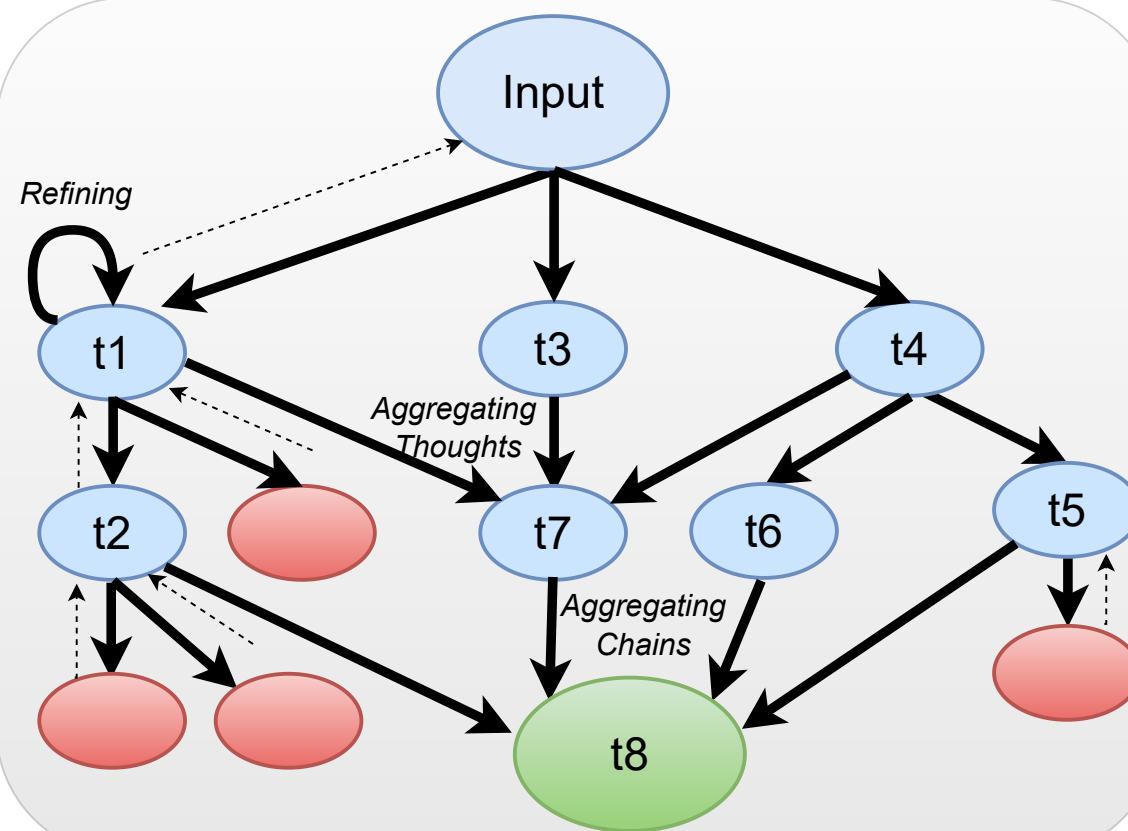
### Self-Consistency with CoT



### Tree of Thought (ToT)



### Graph of Thought (GoT)



### Empathetic Conversation for Holistic Optimization (ECHO)

