

AI ML Lab: 03/11/2021:

Write a program to implement the following scenario:

Consider the following set of clauses in propositional logic:

$H \wedge S \Rightarrow Q$

$M \wedge S \Rightarrow H$

$H \wedge A \Rightarrow M$

$M \wedge B \Rightarrow S$

$A \wedge B \Rightarrow M$

A

B

1. Show an execution of the forward chaining algorithm on this set of clauses for proving Q (show the and-or graph and the evolution of the count table).
2. Briefly comment on the complexity and completeness of the forward chaining approach

Upload link:

<https://forms.office.com/Pages/ResponsePage.aspx?id=p1CEoozbM0yRKkQzEblt26j5uR98u7pHk4YAJdVRMgxUQkZITUw5REIHUFJGV0pMSUVBSEZNU1JONy4u>