HW: PROLOG program
Is Marco leal to Cesar?

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Abstract

Prolog is a computer programming language that is used in almost cases in Artificial Intelligence for solving problems that involve objects and the relationships between objects. Some relationships don't always mention all the objects that are involved.

In Prolo, when you will be programming the computer about relationships, the amount of detail you provide also depends on what you want the computer to accomplish. Prolog developed along an independent track from the early 1970s, and was inspired by logic programming research.

It provides a uniform data structure, called the term, from which all data, as well as Prolog programs, are constructed. A Prolog program consists of a set of clauses, where each clause is either a fact about the given information or a rule about how the solution may relate to or be inferred from the given facts.

Computer programming in Prolog consists of:
- facts
- rues
- questions

Problem:

Marco was a man
Marco was a pompeyan
All pompeyans was romans
Cesar was a governor
All romans was loyals to Cesar or hate him
Everyone is loyal to someone
People only try to kill the gorvernors whom arent loyal
Marco tried to kill Cesar
¿Is Marco loyal to Cesar?

PROLOG code

```
man (marco).
pompeyan (marco).
romans (pompeyan).
governor (cesar).
loyal (romans, cesar).
hater (romans, cesar).
kill (hater, governor).
kill (marco, cesar).

loyal (marco, cesar).
```