Ask me anything

0 questions
0 upvotes

when Prolog is constructung and exploring the search tree for a query, is it breadth-first or depth-first search?

depth-first

depth-first

Depth-first

depth first

Depth-first

yes i think it is possible

breadth first would make sense if the first branch leads to infinite expansions, while there is a solution in another. I think in SWI-Prolog it is not possible

7

In which way you can control Prolog execution?

By ordering facts and rules

Using cuts

!

with fail and !

By defining predicates in a specific order and by using cut

cuts, ordering facts rules

6

how do red and green cuts affect correctness and completeness of answers to a query?

green does not affect correctness (just performance), red has significant effect

Green cuts improve performance by eliminating unnecessary search. Red cuts change the semantic of a program

Green is only performance optimization, where red cuts may change the outcome of the program

green is for optimization, red can have an effect on correctness

4

Can you think of a query that would allow you to extract second element of a list [a, b, c]?

second([,*b,*], b).

second([*, A /*], A).

2

Last chance for questions