

Aim: To execute program based on unification and Resolution. Deduction in prolog is based on the unification and instantiation. Matching terms are unified & variables.

Procedure for executing Prolog programs on Unification & resolution.

1) Setup Prolog Environment

Open your prolog interpreter

2) Creating a knowledge base file:

Open a text editor & save the following

Prolog code as resolution - kb.pl.

3) Load the knowledge base

In your prolog interpreter, load the knowledge base.

4) Define goals for Reputation

For goal 1: phone not. strawberry - picking

For goal 2: phone enjoy

5) Execute queries for each goal:

for goal 1: Check if strawberry picking is true

for goal 2: Check if Not (enjoy) is true.

6) Review Results

7) Conclusion

8) Exit dialog

After testing all goals type:

? - halt

Source Code

enjoy : - sunny, warm

strawberry - picking : - warm, pleasant

Not strawberry - picking : - raining

wet : - raining

warm

raining

sunny

O/p

? - not strawberry - picking

true

? - enjoy

true

? - wet

true

Result:

The program is successfully executed and the

O/p is verified.