Unification and Resolution

Ex: No: 8

Date:

Aim:

To execute programms based on unification and resolution. Deduction in prolog is based on the unification and Instantiation. Matching terms are unified and variables get instantiated.

Procedure for executing Prolog programs on unification and resolution

1. Set up Prolog environment:

   Open your prolog interpreter

2. Creating a knowledge base file:

   Open a text editor and 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 Refutation:

For Goal 1 : Prove not - strawberry picking

For Goal 2 : Prove 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 Prolog :

After testing all goals type :

?- halt.

OIP :

?- not strawberry - picking

true

?- enjoy

true

?- wet

true

Result:

The Program was Successfully executed and the out is verified.