

Ex. No: 2

Unification and Resolution.

date:

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.

O/p:

? - hot strawberry - picking

true

? - enjoy

true

? - wet

true.

Code:

enjoy: - sunny, warm.

strawberry - picking; - warm, pleasant.

hot strawberry - picking; - raining.

wet: - raining.

warm.

raining.

sunny.

Result:

The Program was successfully executed and the o/p is verified.