C-mu-Log Project

John Demme (jdd2127)
Nishant Shah (nrs2127)
Devesh Dedhia (ddd2121)
Cheng Cheng (cc2999)

Contents

Overview

Language Features
- run like Prolog with C like syntax
- search solutions from rules and facts

Application
- simulate interactions of entity
- agents play a game with environment

Motivation
- Multi-agents system modeling

Tutorial of Language

Environment Program

```
size(10, 10);
wall(?, 7);
goal(6, 6);
imove("UP");
imove("RIGHT");
imove("RIGHT");
imove("RIGHT");
imove("RIGHT");
imove("RIGHT");
```

Agent Program

```
move($dir) {
  @print($e, " says move ", $dir);
  $e.@forget( imove($dir) );
  env($e);
  $e.imove($dir);
}
```

Architecture

Simulator

Scanner
Parser

Interpreter

Translator

Your company slogan

Summary

Nishant:
   Thinking as a system programmer!

Cheng:
   System design determines almost everything!

John:
Five living rules in his life!!

Devesh:
   Magic and powerful programming world!

4 PEOPLE...
4 Experiences!!

Thank you！