程序代写代做 CS编程辅导



COMP44 nowledge Representation and Reas g

Prolog IV — Controlling Execution

Maurice Pagnucco Assignment Project Exam Help

School of Computer Science and Engineering

COMP4418, Week 3 Email: tutorcs@163.com

QQ: 749389476

https://tutorcs.com

WeChat: cstutores



The Cut Operator (!)

程序代写代做 CS编程辅导



- Sometimes we need a walk wenting Prolog finding all solutions
- The cut operator is a built-in-predicate that prevents backtracking
- It violates the declarative reading of a Prolog program

 Assignment Project Exam Help
- Use it VERY sparingly!!

Email: tutorcs@163.com

QQ: 749389476

https://tutorcs.com



Backtracking

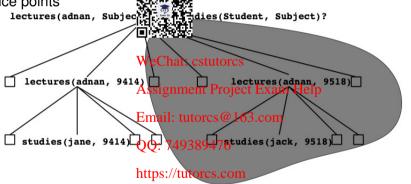
```
lectures (adnan, Subje程序代码做做CS编码铺号 Subject)?
Subject = 4418
Student = jane
Subject = 9518
                        WeChat: cstutores
Student = jack
       lectures (adnan, Subject); studies Student Subject);
                        Email: tutores@163.com
         lectures (adnan, 944): 749389
                                        lectures (adnan, 9518)
                        https://tutorcs.com
                                       studies(jack, 9518)
         studies(jane, 9414)
```



Cut Prunes the Search

程序代写代做 CS编程辅导

Prevents backtracking to f the cut by throwing away remaining choice points





Example

程序代写代做 CS编程辅导

```
overdue(Today, Title, MemFamily):-
loan(CatNo, MemNo, _, DueDate),
later(Today, DueDate),
book(CatNo, Title Assignment Project Exam Help
member(MemNo, name(MemFamily, _), _).
Email: tutorcs@163.com
```

QQ: 749389476

https://tutorcs.com



Controlling Execution

程序代写代做 CS编程辅导



- Some methods for control cution in Prolog:
 - Ordering of clauses (facts and rules)
 - Ordering of subgoals within a rule tutorcs
 - Cut (!) operator

Assignment Project Exam Help

• Use each with care

Email: tutorcs@163.com

QQ: 749389476

https://tutorcs.com

