
과목 명: 기초인공지능

담당 교수 명: 양 지 훈

< <AI_assignment03> >

서강대학교 컴퓨터학과

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1. 프로그램 결과

<Logical 01 & 02>

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jaewon@Jae-wons-MacBookPro ~/Desktop/Study Material/6* הרץ / ד' / אסד רלאן סבא /hw3/AI_Assignment03 python3 formulas.py

===== START Formula Check =====

----- START TEST test of statement 1 for 01 -----
You matched the 7 tests
Example model: {'Summer', 'California'}
-----> Correct Formula!

----- START TEST test of statement 2 for 01 -----
You matched the 4 tests
Example model: set()
-----> Correct Formula!

----- START TEST test of statement 3 for 01 -----
You matched the 2 tests
Example model: {'Night'}
-----> Correct Formula!

----- START TEST test of statement 1 for 02 -----
You matched the 343 tests
Example model: {'Person(o1)', 'Mother(o1,o2)', 'Person(o2)', 'Mother(o1,o3)', 'Person(o3)', 'Mother(o3,o1)', 'Mother(o2,o3)', 'Mother(o3,o2)'}
-----> Correct Formula!

----- START TEST test of statement 2 for 02 -----
You matched the 169 tests
Example model: {'Person(o1)', 'Child(o2,o1)'}
-----> Correct Formula!

----- START TEST test of statement 3 for 02 -----
You matched the 512 tests
Example model: {'Daughter(o3,o2)', 'Child(o3,o1)', 'Child(o3,o2)', 'Child(o2,o3)', 'Female(o2)', 'Child(o1,o3)', 'Child(o2,o1)'}
-----> Correct Formula!

----- START TEST test of statement 4 for 02 -----
You matched the 512 tests
Example model: {'Female(o3)', 'Parent(o1,o2)', 'Grandmother(o1,o2)', 'Female(o2)', 'Parent(o3,o2)', 'Parent(o1,o3)', 'Female(o1)'}
-----> Correct Formula!
```

<Suspect>

```
----- START TEST test of statement 1 for 03 -----
You matched the 2 tests
Example model: {'TellTruth(john)'}
-----> Correct Formula!

----- START TEST test of statement 2 for 03 -----
You matched the 2 tests
Example model: {'TellTruth(susan)', 'CrashedServer(nicole)'}
-----> Correct Formula!

----- START TEST test of statement 3 for 03 -----
You matched the 2 tests
Example model: set()
-----> Correct Formula!

----- START TEST test of statement 4 for 03 -----
You matched the 2 tests
Example model: {'TellTruth(susan)'}
-----> Correct Formula!

----- START TEST test of statement 5 for 03 -----
You matched the 4 tests
Example model: {'TellTruth(susan)'}
-----> Correct Formula!

----- START TEST test of statement 6 for 03 -----
You matched the 4 tests
Example model: {'CrashedServer(nicole)'}
-----> Correct Formula!
```

<Number_theorem>

```
----- START TEST test of statement 1 for 04 -----
You matched the 8 tests
Example model: {'Successor(o1,o2)', 'Successor(o3,o2)', 'Successor(o2,o3)'}
-----> Correct Formula!

----- START TEST test of statement 2 for 04 -----
You matched the 8 tests
Example model: {'Even(o3)', 'Even(o2)', 'Odd(o1)'}
-----> Correct Formula!

----- START TEST test of statement 3 for 04 -----
You matched the 13009 tests
Example model: {'Odd(o2)', 'Successor(o1,o2)', 'Even(o2)', 'Successor(o2,o3)', 'Odd(o3)', 'Successor(o3,o1)'}
-----> Correct Formula!

----- START TEST test of statement 4 for 04 -----
You matched the 13009 tests
Example model: {'Odd(o2)', 'Successor(o1,o2)', 'Even(o2)', 'Odd(o3)', 'Successor(o1,o1)', 'Successor(o2,o2)'}
-----> Correct Formula!

----- START TEST test of statement 5 for 04 -----
You matched the 19683 tests
Example model: {'Successor(o3,o2)', 'Larger(o2,o1)', 'Successor(o1,o2)', 'Larger(o3,o3)', 'Larger(o1,o3)', 'Successor(o1,o1)', 'Larger(o2,o3)',
'Larger(o1,o1)', 'Larger(o3,o1)'}
-----> Correct Formula!

----- START TEST test of statement 6 for 04 -----
You matched the 171 tests
Example model: {'Larger(o1,o3)', 'Larger(o3,o3)'}
-----> Correct Formula!
```

19 개의 propositional 및 FOL 의 결과가 전부 correct Formula 로 나온것을 확인하였다.