## Input

```
prof(adam).
student(brian).
student(michael).
publish(adam,michael).
Adcom(adam,michael)
Adcom(adam,brian)
?Advise(X,Y):-prof(X),student(Y),publish(X,Y)
?Adcom(X,Y):-prof(X),student(Y).
?publish(X,Y):-Advise(X,Y)
trace=1
```

## Queries

?Advise(adam,michael)? ?Advise(adam,brian)? ?Advise(adam,Q)?

## In following two pages

- 1) Clauses
- 2) CNF Conversion
- 3) Predicate Explanation
- 4) Resolution proof for Adam is Michael's advisor

Production of Production of Production of the Contraction of the Contr	Estimo I Prof. (astam)  Standard (brian)  Malan (astam, midbad)  Moleon (astam, midbad)  Moleon (astam, midbad)  Moleon (astam, bridge)  Moleon (astam, bridge)  Moleon (astam, bridge)  Moleon (astam, bridge)  Moleon (x,y) - y publish (x) x standard (x) x standard (x)  Moleon (x,y) - y prof. (x) x standard (x) x standard (y)	may publish (x, x) -> Advisc (x, y)	7 Advise (x,y) x (pushed (x,y) A pry (x) a student (y)) (7 Advise (x,y) x pushed (x,y) A (7 Advise (x,y) x port (x)) A (7 Advise (x,y) x student (y))	7 Adam (x,y) x (prof(x) netadeur(x)) x etadeur(x))	- publication (x,y) & constant (x,y)	
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