



Coord.pl

 `vertical(seg(point(5,3), point(5,8))).`



 Singleton variables: [Y,Y1]

 Singleton variables: [X,X1]

true


?- `vertical(seg(point(5,3), point(5,8))).`

Cutoperator.pl

 `f(7, X), f(5, Y), f(2, Z).`



 Singleton variables: [X]

 Singleton variables: [X]

X = 2,

Y = 1,

Z = 0

Next 10 100 1,000 Stop

?- `f(7, X), f(5, Y), f(2, Z).`

Family.pl

⚙️ `sister(pat, ann).`


🔗 Singleton variables: [Y]


`true`

?- `sister(pat, ann).`

Goat.pl

 `check(Moves, X).`

 Singleton variables: [Wolf,Cabbage]

 Singleton variables: [Goat]

Moves = 7,

X =

[transferGoat(shore,island), swimAlone(island,shore), transferWolf(shore,island), transferGoat(island,shore), transferCabbage(shore,island),
swimAlone(island,shore), transferGoat(shore,island)]

0.239 seconds cpu time

Next 10 100 1,000 Stop

?- `check(Moves, X).`

Monkey.pl

 `check(9,X).`


 Singleton variables: [Wolf,Cabbage]

 Singleton variables: [Goat]

X =
[transferWolf(shore,shore), transferWolf(shore,shore), transferGoat(shore,island), swimAlone(island,shore), transferWolf(shore,island),
transferGoat(island,shore), transferCabbage(shore,island), swimAlone(island,shore), transferGoat(shore,island)]

0.172 seconds cpu time

Next 10 100 1,000 Stop

 `check(1,X).`

 Singleton variables: [Wolf,Cabbage]

 Singleton variables: [Goat]

false

 `check(2,X).`

 Singleton variables: [Wolf,Cabbage]

 Singleton variables: [Goat]

false


?- `check(2,X).`

Monkey.pl

 `canget(state(atdoor, onfloor, atwindow, hasnot), Plan).`

Plan = [`walk(atdoor,atwindow)`, `push(atwindow,middle)`, `climb`, `grab`]

Next

 `canget(state(atdoor, onbox, atwindow, hasnot), Plan).`

false

?- `canget(state(atdoor, onbox, atwindow, hasnot), Plan).`

Peano.pl

```
sum(s(s(zero)), s(s(zero)), Result).
```

```
Result = s(s(s(zero)))
```

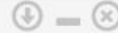
```
sum(s(s(zero)), s(s(s(zero))), Result).
```

```
Result = s(s(s(s(zero))))
```


```
?- sum(s(s(zero)), s(s(s(zero))), Result).
```

Prime.pl

 `is_prime(17).`



 Singleton variables: [N]


 Singleton variables: [Factor1]

true


 `is_prime(100007).`

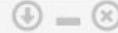


 Singleton variables: [N]


 Singleton variables: [Factor1]

false

 `is_prime(10100007).`




 Singleton variables: [N]



 Singleton variables: [Factor1]



false

?- `is_prime(10100007).`

Representation.pl

 `likes(wife(bhim), gulabjamoon).`

 Clauses of friends/2 are not together in the source-file
Earlier definition at  line 1
Current predicate: likes/2
Use :- discontinuous friends/2. to suppress this message

 Clauses of likes/2 are not together in the source-file
Earlier definition at  line 5
Current predicate: has/2
Use :- discontinuous likes/2. to suppress this message

true


Next



10



100

1,000

Stop

 `hasmercedes(gayatri)`


 Clauses of friends/2 are not together in the source-file
Earlier definition at  line 1
Current predicate: likes/2
Use :- discontinuous friends/2. to suppress this message





 Clauses of likes/2 are not together in the source-file
Earlier definition at  line 5
Current predicate: has/2
Use :- discontinuous likes/2. to suppress this message

false

?- `hasmercedes(gayatri)`





Simplegcd.pl



 `gcd1(10,100,Z)`   

Z = 10


Next 10 100 1,000 Stop





 `gcd1(35,56,Z)`   

Z = 7





Next 10 100 1,000 Stop

?- `gcd1(35,56,Z)`







 `test(a).`   

`true` 1

 `test(d).`   

`true`
`false` 1

 `test(f).`   

`true`
`false` 1

?- `test(f).`

Skolem_plato.pl

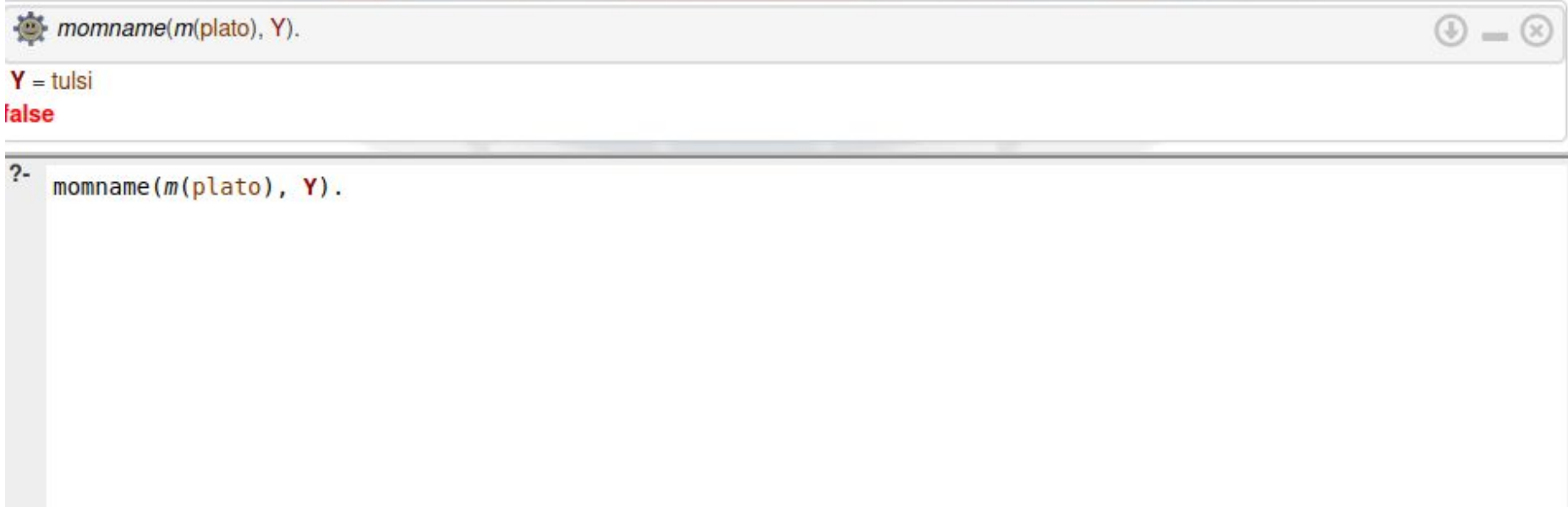
 loves(plato, Y).



false

?- loves(plato, Y).

Skolem_toronto.pl



```
momname(m(plato), Y).  
  
Y = tulsi  
false  
  
?- momname(m(plato), Y).
```