

```
Warning: Clauses of action/3 are not together in the source-file  
Warning: Earlier definition at c:/users/saiga/onedrive/documents/prolog/monkey.pl:37:  
Warning: Current predicate: final_state/1  
true. Use :- disjoint action/3. to suppress this message
```

```
?- [monkey].  
true.
```

```
?- solve_problem(ActionList).  
ActionList = []  
Unknown action: j (h for help)  
Action? .
```

```
?- [fruits].  
true.
```

```
?- match_fruit_color(apple, Color).  
Color = red.
```

```
?- match_fruit_color(Fruit, Color).  
Fruit = apple.  
Color = red .
```

```
?- fruits_with_color(FruitList, green).  
FruitList = [watermelon].
```

```
?- [bestfirst].
```

```
ERROR: source_sink 'bestfirst' does not exist  
ERROR: In:
```

```
ERROR: [26] throw(error(existence_error(source_sink,bestfirst),_6002))  
ERROR: [21] '$resolve_source_path'(bestfirst,_6034,'<garbage collected>') at c:/program f  
ERROR: [20] '$load_file_e'(bestfirst,user,[expand(false),...]) at c:/program f  
ERROR: [19] '$load_file'(bestfirst,...) at c:/program f
```

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For built-in help, use ?- help(Topic), or ?- apropos(Word).

```
?- [sun].  
true.  
  
?- sun(S,S).  
S = 15 .  
  
?- [dob].  
true.  
  
?- lookup(sue,DOB).  
DOB = date(1990, 1, 1) .  
  
?- [planets].  
true.  
  
?- hot_rocky_planet(Name).  
Name = mercury .  
  
?- [hanoi].  
true.  
  
?- hanoi(3,'A','B','C').  
Move disk from A to B  
Move disk from A to C  
Move disk from B to C  
Move disk from A to B  
Move disk from C to A  
Move disk from C to B  
Move disk from A to B  
true .  
  
?- [birds].  
true.  
  
?- can_fly(eagle).  
true.  
  
?- can_fly(ostrich).  
false.  
  
?- bird(Bird,cannot_fly).  
Bird = ostrich.  
  
?- bird(Bird,can_fly).  
Bird = eagle
```

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?- [forward\_chaining]

true.

?- can\_fly(eagle).

true.

?- can\_fly(penguin).

false.

?- [medicaldiagnosis]

ERROR: source\_sink 'medicaldiagnosis' does not exist

ERROR: In:

ERROR: [26] throw(error(existence\_error(source\_sink,medicaldiagnosis),\_9706))

ERROR: [21] '\$resolve\_source\_path'(medicaldiagnosis,\_9738,<garbage\_collected>) at c:/program files/swipl/boot/init.pl:2607

ERROR: [20] '\$load\_file\_0'(medicaldiagnosis.user,[expand(false),...]) at c:/program files/swipl/boot/init.pl:2476

ERROR: [19] '\$load\_file'(medicaldiagnosis.user,<garbage\_collected>) at c:/program files/swipl/boot/init.pl:2443

ERROR: [11] toplevel\_call(<garbage\_collected>) at c:/program files/swipl/boot/toplevel.pl:1317

ERROR: Note: some frames are missing due to last-call optimization.

ERROR: Re-run your program in debug mode (:- debug.) to get more detail.

?- [medical\_diagnosis]

true.

?- diagnose.

Does the patient have fever? (y/n):

|: has\_symptom(fever)

Does the patient have runny\_nose? (y/n):

|: has\_symptom(cough)

Does the patient have fever? (y/n): |: has\_symptom(headache).

Does the patient have fever? (y/n):

|: has\_symptom(body\_ache).

Diagnosis complete.

true.

?- | | | | |

```

?- hanoi(3, 'A', 'B', 'C').
Move disk from A to B
Move disk from A to C
Move disk from B to C
Move disk from A to B
Move disk from C to A
Move disk from C to B
Move disk from A to B
true.

```

**true.**

**True.**

**also.**

Bird • ostrich.

Bird • eagle

two.

true

**True.**

True.

two

True

True.

**E. F. M.**

```
?= suggest_diet(diabetes, Diet).  
Diet = [apple, carrot, fish, spinach, almonds]
```

?= [fruits]