



```
% Clauses:
hanoi(N):-
     move(N,left,middle,right).
move(1,A,_,C):-
     inform(A,C),!.
move(N,A,B,C):-
     N1=N-1,
     move(N1,A,C,B),
     inform(A,C),
     move(N1,B,A,C).
inform(Loc1, Loc2):-
     write("\nMove a disk from ", Loc1, " to ", Loc2).
Output:
% Queries:
?- can_reach(A, B).
A = monkey.
B = banana.
?- can_reach(monkey, banana).
Yes.
```