```prolog
% move(N,X,Y,Z) - move N disks from X to Y, with Z standing by

move(1,X,Y,_) :-
      write('Move top disk from '),
      write(X),
      write(' to '),
      write(Y),
      nl.
move(N,X,Y,Z) :-
      N>1,
      M is N-1,
      move(M,X,Z,Y),
      move(1,X,Y,_),
      move(M,Z,Y,X).
go(X):-
      move(X,left,right,center),
      fail.
```