EXPERIMENT:21 Write a Prolog Program to implement Towers of Hanoi

PROGRAM:

```
% hanoi(N, Source, Target, Auxiliary) :-
%    Moves N disks from Source to Target using Auxiliary.


hanoi(1, Source, Target, _) :-
    write('Move disk from '), write(Source),
    write(' to '), write(Target), nl.


hanoi(N, Source, Target, Auxiliary) :-
    N > 1,
    M is N - 1,
    hanoi(M, Source, Auxiliary, Target),
    hanoi(1, Source, Target, _),
    hanoi(M, Auxiliary, Target, Source).
```

OUTPUT: