CSA-1704 AI FOR LLM

PROGRAM 21

**% hanoi(NumberOfDisks, Source, Target, Auxiliary)**

**% Prints the moves to solve the problem.**

**hanoi(1, Source, Target, \_) :-**

**format('Move disk 1 from ~w to ~w~n', [Source, Target]).**

**hanoi(N, Source, Target, Auxiliary) :-**

**N > 1,**

**M is N - 1,**

**hanoi(M, Source, Auxiliary, Target),**

**format('Move disk ~w from ~w to ~w~n', [N, Source, Target]),**

**hanoi(M, Auxiliary, Target, Source).**

Queries:

?- hanoi(3, left, right, middle).

Output:

