Pensieve header: The Towers of Hanoi Puzzle.

```
move[1, a_, b_, c_] := Print["Move #1 from ", a, " to ", c];
move[n_, a_, b_, c_] := (
  move[n - 1, a, c, b];
  Print["Move #", n, " from ", a, " to ", c];
  move[n - 1, b, a, c]
 )
```

```
move[2, A, B, C]
```

```
Move #1 from A to B
Move #2 from A to C
Move #1 from B to C
```

```
move[3, A, B, C]
```

```
Move #1 from A to C
Move #2 from A to B
Move #1 from C to B
Move #3 from A to C
Move #1 from B to A
Move #2 from B to C
Move #1 from A to C
```

```
move[5, A, B, C]
```

```
Move ⌗1 from A to C
Move ⌗2 from A to B
Move ⌗1 from C to B
Move ⌗3 from A to C
Move ⌗1 from B to A
Move ⌗2 from B to C
Move ⌗1 from A to C
Move ⌗4 from A to B
Move ⌗1 from C to B
Move ⌗2 from C to A
Move ⌗1 from B to A
Move ⌗3 from C to B
Move ⌗1 from A to C
Move ⌗2 from A to B
Move ⌗1 from C to B
Move ⌗5 from A to C
Move ⌗1 from B to A
Move ⌗2 from B to C
Move ⌗1 from A to C
Move ⌗3 from B to A
Move ⌗1 from C to B
Move ⌗2 from C to A
Move ⌗1 from B to A
Move ⌗4 from B to C
Move ⌗1 from A to C
Move ⌗2 from A to B
Move ⌗1 from C to B
Move ⌗3 from A to C
Move ⌗1 from B to A
Move ⌗2 from B to C
Move ⌗1 from A to C
```