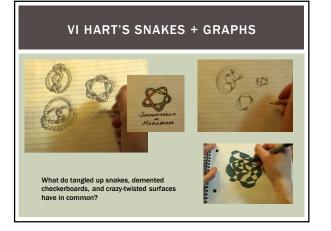
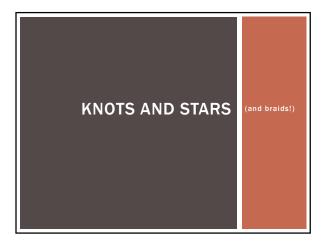
HUMAN KNOT CHALLENGE 10/28/14

Part 1: Human knot:

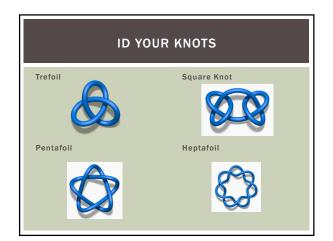
- How likely is it that a human knot game will be solvable?
- Can you tweak the rules to make an unsolvable game more/less likely?

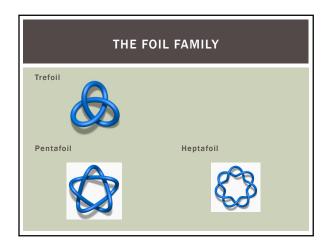


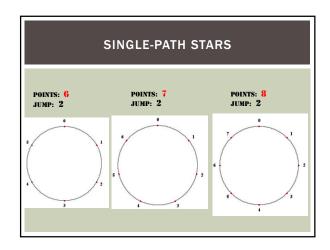


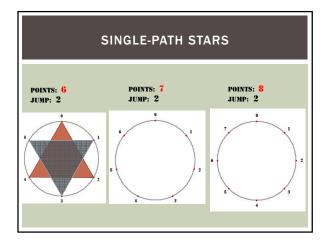


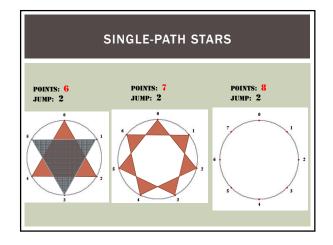


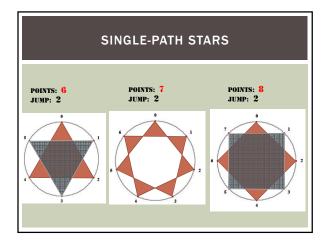


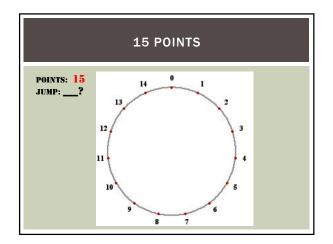


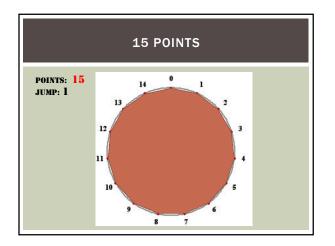


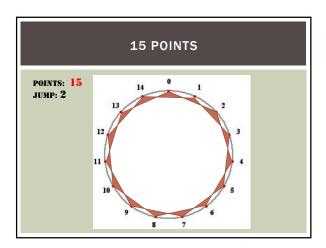


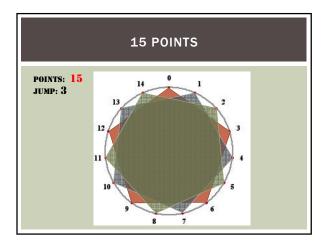


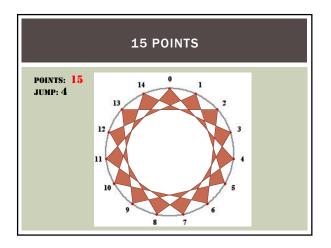


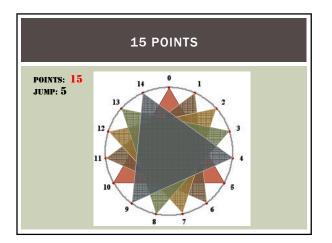


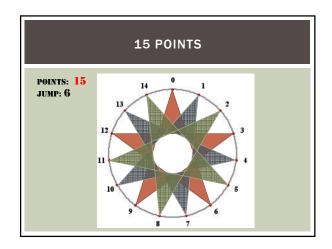


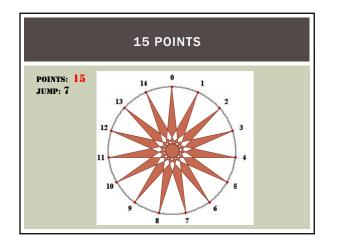


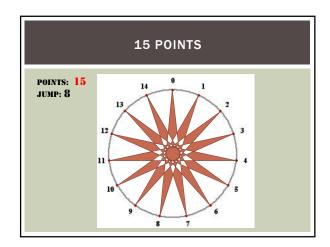


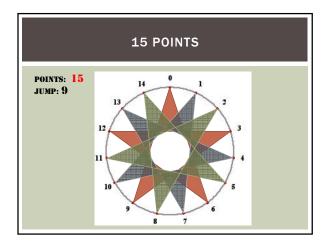


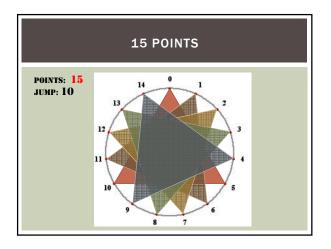


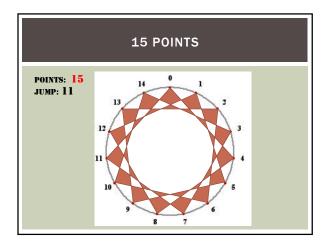


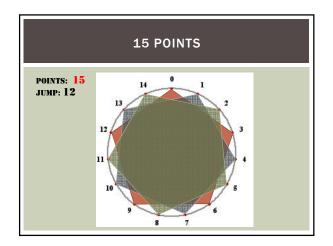


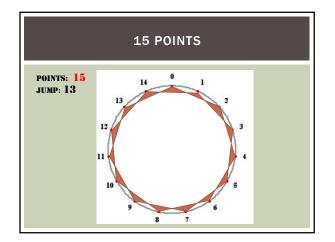


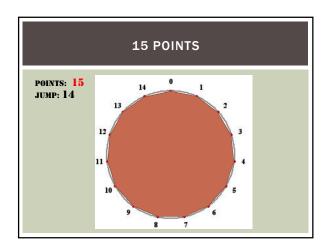


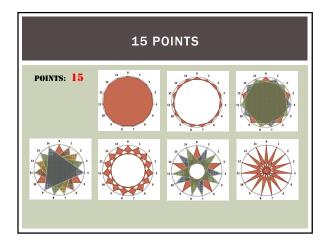


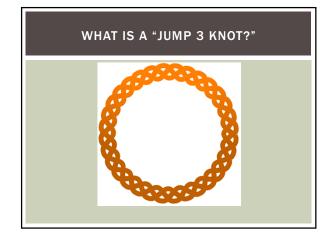


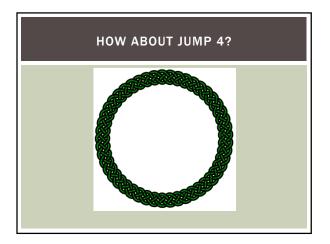


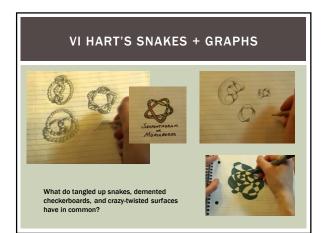


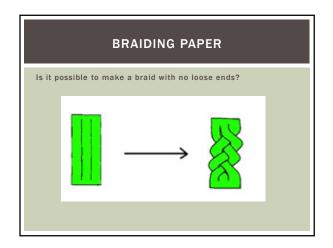












BRAIDING PAPER
Taking it Further
Why stop at three strands? Can you make this no-free-end version of a four-strand braid? Try it! (Use a piece of felt with three silts.)
How about a three-braid with an extra strand along for the ride?

KNOT CHALLENGES

- 1. Braid your paper.
- 2. Try a 4-strand paper (or felt) braid.
- 3. Try a 3-strand braid on 4 pieces while 1 stays free.
- 4. Draw or make a knot that looks like it has only 4 crossings, and which cannot be redraw to have fewer. Try to do the same for 6 crossings.
- 5. Tie your own 13-loop braid-knot.