

1. Which problems did you work through? The Three Jugs Problem; Tower of Hanoi; Entrapment; Wolf Sheer & Cabbage
2. Which problem was the easiest to solve? Tower of Hanoi
3. Why was it easy to solve? I wouldn't say it was easy, but it was the easiest. I could visually see what needed to be done to solve this problem and had difficulties with the others (Wolf, Sheet and Rabbit) because I couldn't see the solution.
4. What type of problem was it? Explain. This is a procedural problem, because there is a specific set of steps that will work every time you play the game.
5. What strategy did you use to solve the problem? My strategy was to start with moving the smallest piece to the opposite side. Then continue to work to move to the other pieces to the right.
6. How did you develop the strategy. Trial and error
7. What declarative knowledge was needed to solve the problem? I need to know that (Facts) size of discs (smallest, next to the smallest, and largest) as well as the concept that a larger disc can never be on top of smaller disc.
8. What procedural knowledge was needed to solve the problem? A list of steps that if followed will always work to solve the problem. Solving the problem is dependent upon declarative knowledge; however, with the least depth of knowledge.
9. Which problem was the most difficult to solve? The Three Jugs Problem
10. Why was it difficult to solve? Because I couldn't select the individual servings of water I had to move an entire row at a time. Determining the procedure took a very long time. Addictive until I finally solved it!
11. What type of problem was it? A well-constructed procedural knowledge problem.
12. What strategy did you use to solve the problem? Guess and Check
13. How did you develop this strategy? It was the only way I could make sense of how to begin to solve the problem.
14. What declarative knowledge was needed to solve the problem? I needed a strong sense of number sense as I was thinking through how to move multiple ounces of water at one time.
15. What procedural knowledge was needed to solve the problem? I tried multiple strategies, but only found one set of steps that would work. The set of steps would work every time for an odd number, but would change for an even number of jugs.

Tower of Hanoi -

23.829, 31.145, 0, 0, 2

32.668, 33.638, 1, 0, 1

34.491, 35.463, 0, 2, 1

36.309, 37.352, 2, 0, 2

40.127, 40.795, 0, 1, 0

41.647, 42.281, 1, 1, 2

43.594, 44.887, 0, 0, 2

44.888, Success!