

Search Worksheet 1: River Crossing Puzzle

CSCI 364: Artificial Intelligence

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Puzzle: A farmer goes to market and purchases a wolf, a goat, and a cabbage. On the way home, the farmer has to cross a river, but the boat can only carry the farmer and one other entity. If left alone, the wolf will eat the goat, and the goat will eat the cabbage.

Question: Can the farmer transport all three purchases to the other side? If so, in what order?

Question: what strategies did you try to solve the maze? How would you explain your thought processes to a friend?