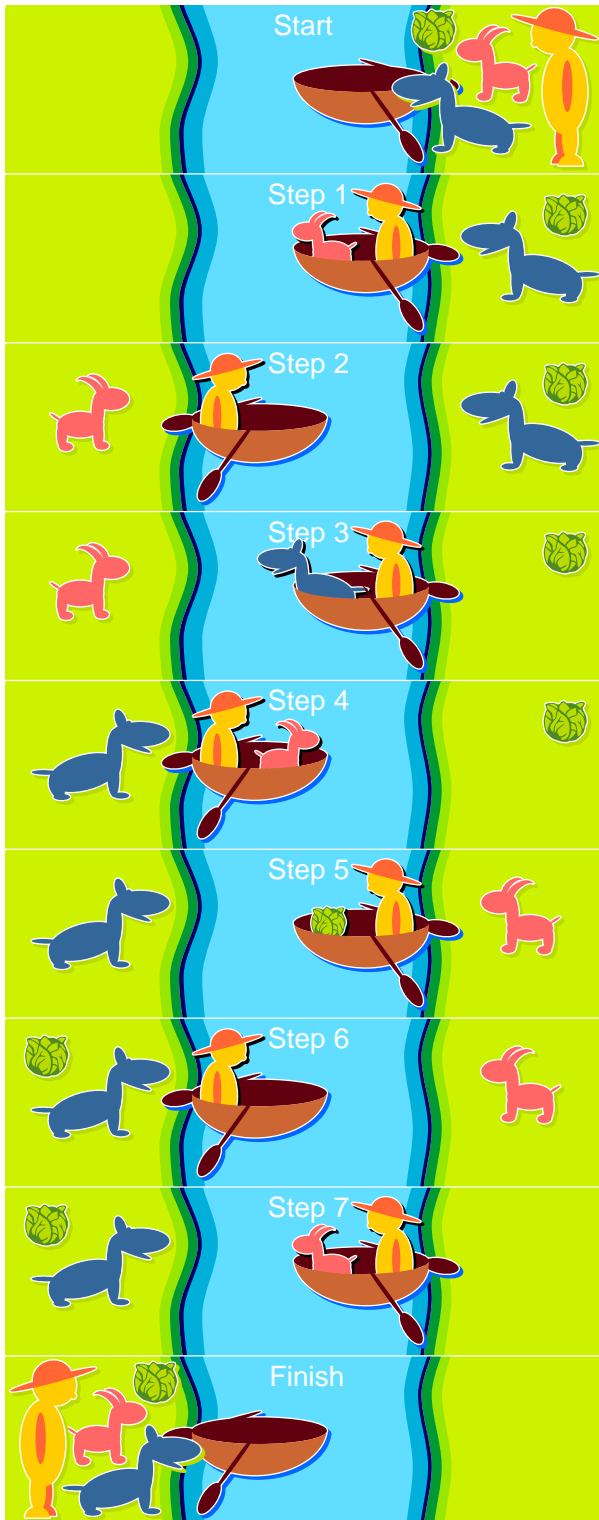


A farmer wants to get his goat, wolf and cabbage to other side of the river. His boat is only big enough to carry him and either his goat, his wolf or his cabbage. If he leaves the goat alone with the cabbage, the goat will eat the cabbage. If he leaves the wolf with the goat, the wolf will eat the goat. Only when the farmer is present are the goat and the cabbage safe from their predators. How does he manage to get everything to the other side?

# An Old Classic Problem [solution]

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The farmer first takes the goat across. He returns and picks up the wolf. He leaves the wolf off and takes the goat back with him. He then leaves the goat at the starting place, and takes the cabbage over to where the wolf is. He returns and picks up the goat, and lands where the wolf and the cabbage are. All this takes seven steps as shown in the illustration.

Posted: December 11, 2007

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