

Dr. Do-Much

Dr. Do-Much is a veterinarian who has to move his animals from his old hospital to a new one across the river. Among the animals to be moved are two dogs and two cats. Dr. Do-Much knows that whenever the animals are left alone together, he cannot leave more dogs than cats. When he does, the dogs chase the cats. Today he must plan his trips across the river so that he does not have to leave more dogs than cats on either shore. He can move only one animal at a time across the river in his small, leaky rowboat. How should he move the animals across the river?

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