**Question 1: Smullyan’s Island Revisited (10 points)**

*Inhabitants on Smullyan’s Island are either always telling the truth or always lying. You meet three people, Gregor, Tywin, and Catelyn on the Island. You turn to Gregor and ask “how many of you are truth-tellers?” Gregor mumbles something unintelligible, but Tywin and Catelyn speak up:*

*Tywin: “He said only one of us is truth-teller.” Catelyn: “No he didn’t!”*

*From this, using truth-tables, what can you tell about Gregor, Tywin, and Catelyn?*