

KC's Quantitative Problems

Entropy and 2nd Law of Thermodynamics

- *Thermodynamics.Entropy-2nd-Law.Qp.KC.1:* In the dice game *Entropia* each player has two, identical four-sided dice that are rolled each round. The game lasts very long and there are thousands of players, so you decide to employ the aid of statistics.
 - A.) Make a table of all the combinations of two dice configurations (micro states) and the corresponding total number of each combination (macro state).
 - B.) What is the probability of each macro state?
 - C.) How can entropy be used to understand the outcome of a large number dice rolls?