Assignment 1

1. Consider the probability problem about calculating the number of ways to count the number of times a model occurs under a certain condition. 

2. What is the number of ways to count the number of terms in a model under a certain condition? 

3. The diagram shows a set of nodes and a graph. What is the number of paths of length 3? 

4. If the graph is a complete graph, is there a path of length 2? 

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