**Graph Theory Assignment (due Thursday, Dec. 6, 2018)**

Using a book, movie, television show, etc., represent the relationships between the characters using what you have learned in graph theory.

Required Elements:

1. Name of book (with author), movie, etc.
2. List of Characters (at least 8)
3. Graphical Representation of relationships
4. Written explanation of graph

Things to think about

* How might you use weighted edges in your graph?
* How might you use chromatic number to think through the relationships and conflicts within a novel/movie/etc.?

This assignment will be assessed on the following criteria (based on our in-class discussion):

* Organization
* Creativity
* Demonstration of graph theory knowledge
* Multiple representations (multiple graphs demonstrating different elements of the relationships)
* Written explanation

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