Review of: "Determining Affinity of Social Network using Graph Semirings"

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Potential competing interests: No potential competing interests to declare.

This article primarily discusses how to use the concept of graph semirings to determine the affinity between different social groups in a social network. It employs mathematical and graph theory methods to calculate the stability of various paths, aiming to understand and elucidate the establishment and discovery of potential friendships in a social network. However, we have some suggestions for this article:

1. The article provides simple background information on graph semirings and social network analysis. It may benefit from offering more comprehensive background knowledge to ensure readers have a full understanding of the article's context and motivation.
2. The article lacks detailed formula explanations when describing the various steps of the algorithm. It is recommended to provide separate numbering for formulas.
3. I suggest that the authors briefly describe the figures in the caption so readers can understand the figures more easily.
4. While the article presents an algorithm, it does not provide sufficient real-world case studies to demonstrate its effectiveness in practical social networks. It is advisable to validate the research on real networks to enhance the study's credibility.