Abstract

This paper describes the transition of a male-pessimal matching set to optimal when it is a man-oriented approach by deleting a pair from matching set considering the score based approach. A descriptive explanation of the proposed algorithm both in a sequential and parallel manner is given. The comparison based theoretical analysis shows that the best case of the algorithm is lower bound of n^3.
Preserving the Basic Property of Stable Matching by Deleting a Pair

References

- Kazuo Iwama and Shuichi Miyazaki 2008 A survey of Stable Marriage Problem and Its Variants, International Conference on Informatics Education and Research for Knowledge Circulating Society, DOI 10. 1109/ICKS.
- Jesper Larsen 1997 A Parallel Approach to Stable Marriage Problem.

Index Terms

Computer Science

Algorithms

Keywords

Stable Matching  Stable Marriage  Complete  Strictly Ordered  Rank  Score  Matching Set

Happiness.