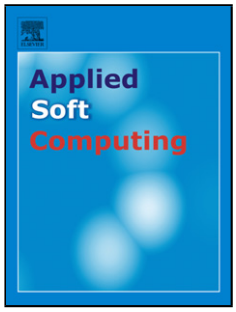

Title: Improved Solution to the Non-Domination Level Update Problem

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Highlights

- Non-domination level update problem is solved using reduced space complexity.
- In this regard two approaches are proposed - (i) SENLU and (ii) BST-ENLU.
- The obtained space complexity using SENLU is $\mathcal{O}(1)$ and for BST-ENLU it is $\mathcal{O}(\log N)$.
- Theoretically obtained the number of comparisons in worst case scenario.