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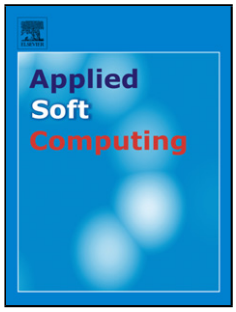

Title: Multi-objective electric distribution network reconfiguration solution using runner-root algorithm

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Highlights

- The runner-root algorithm (RRA) is adapted to solve the network reconfiguration problem.
- Five objectives namely power loss, load balancing among the branches, load balancing among the feeders, number of switching operations and node voltage deviation are considered.
- The proposed RRA method is applied to the 33-bus and 70-bus test networks for evaluation.
- The proposed RRA method has better performance in comparison to other methods.

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