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Multi-vehicle Synchronized Arc Routing Problem to Restore Post-Disaster Network Connectivity

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Highlights

- Regaining connectivity of a disrupted road network in post-disaster response phase
- Multiple vehicles based in multiple depots are dispatched to clear the roads
- The routes of the vehicles should be synchronized
- An exact mathematical model and a math-heuristic method is developed
- The math-heuristic shows very good performance in real-life and random instances

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