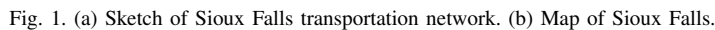


In the supplementary material, we give the detailed information of the numerical examples in the paper “A Game-Theoretic Approach to Analyzing Equilibria in Coupled Power and Transportation Network”.

Sioux Falls, South Dakota, USA. The area of Sioux Falls is 190.20 km<sup>2</sup> (73.47 sq mi) [1].



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Road length of the Sioux Falls transportation network [1]. Note that the length of the arcs does not necessarily have direct connection with the geographic length of the roads.

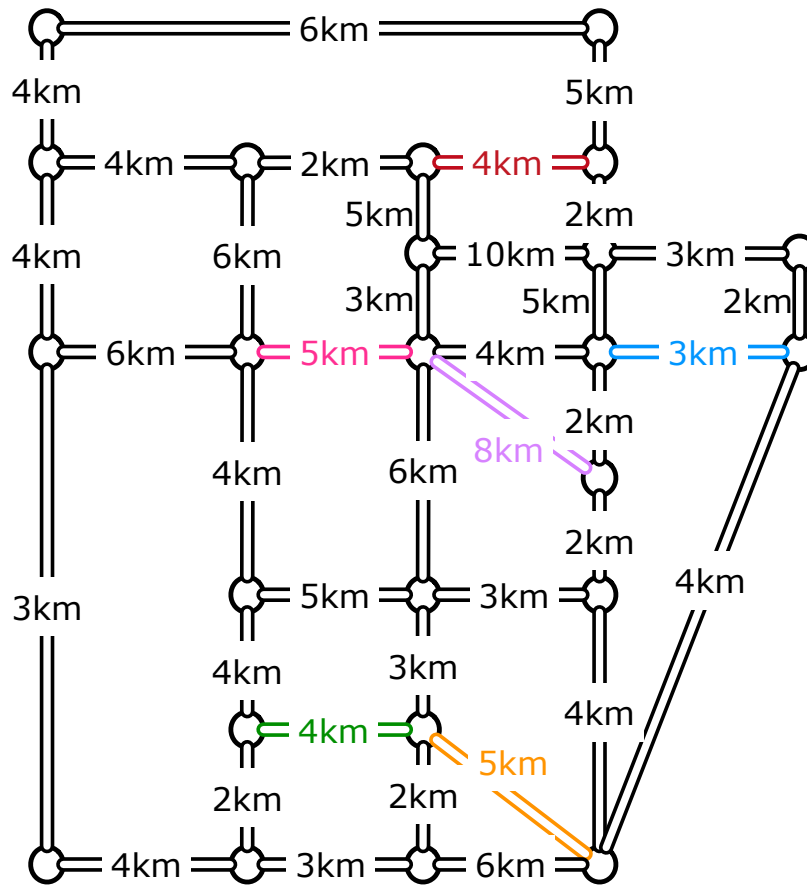


Fig. 2. Road length of Sioux Falls transportation network.

## II. 33-NODE POWER NETWORK

33-node radial distribution network [2].  
Voltage 12.66 kV.

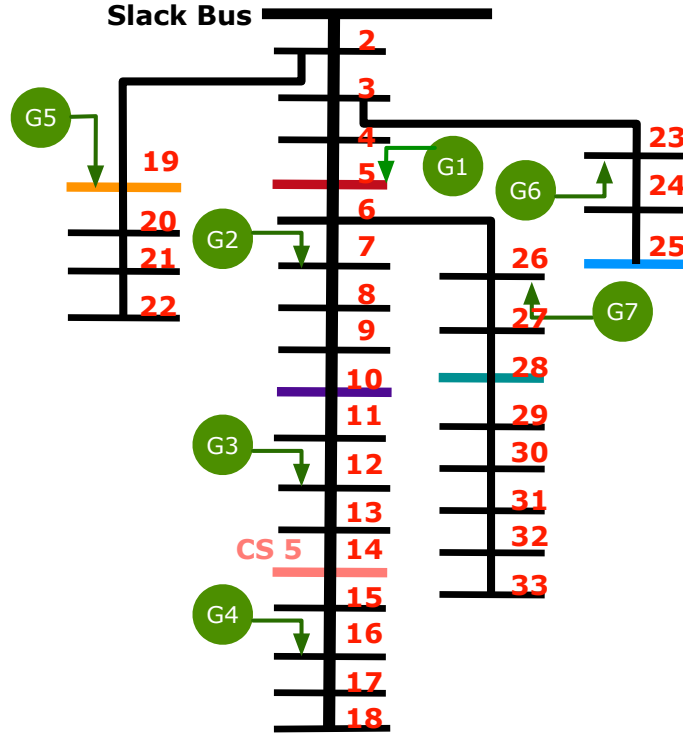


Fig. 3. 33-node power distribution network.

## III. COUPLING NETWORKS

Sioux Falls transport network coupled with a 33-node power network – see Fig. 4. The coupled nodes/arcs are labeled with identical colors.

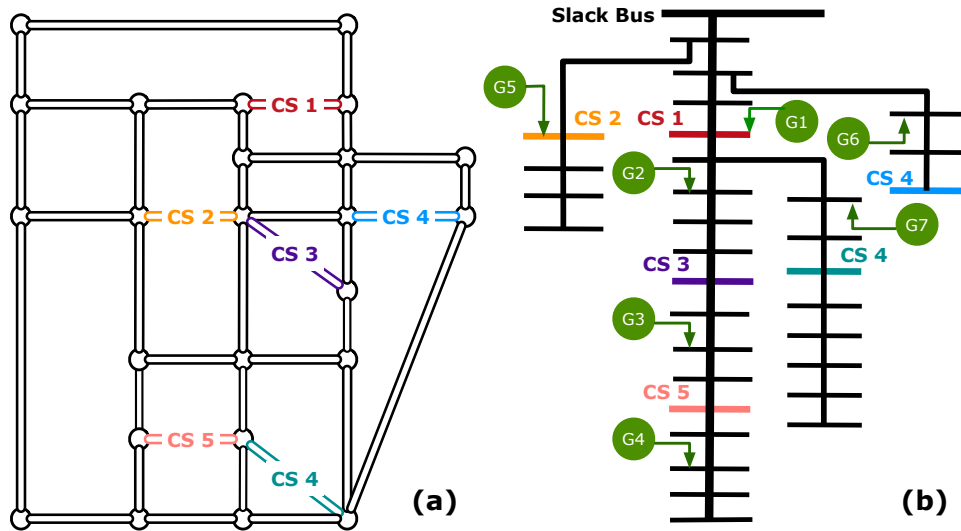


Fig. 4. (a) Sioux Falls transportation network. (b) 33-node power network. The coupled arcs/nodes are labeled in the same colors.

## REFERENCES

- [1] B. Stabler, "Transportation networks for research." [Online]. Available: <https://github.com/bstabler/TransportationNetworks>. [Accessed Jan. 23, 2019].
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