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Network Loading Problem : Valid inequalities from 5- and higher partitions

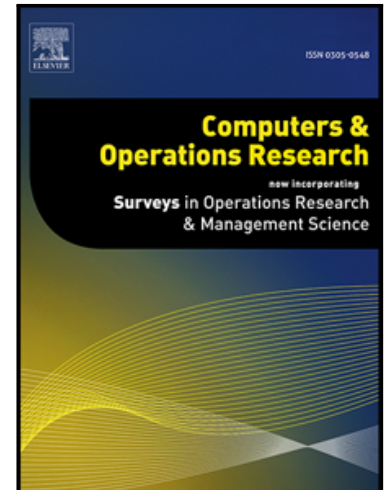
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Highlights

- Three new classes of p -partition based valid inequalities for the Network Loading Problem are described.
- Total Capacity Inequality is obtained by recursive application of C-G procedure on the wellknown cut inequalities.
- One-Two inequalities are computed by solving a sequence of LPs.
- Several characteristics of problem instances are identified that influence the effectiveness of these inequalities.
- Computational results demonstrate that effectiveness of these inequalities in solving benchmark instances much faster than published results

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