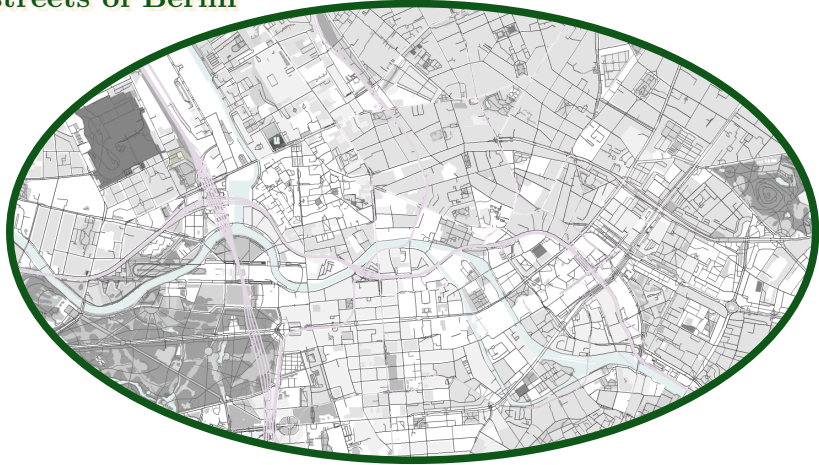
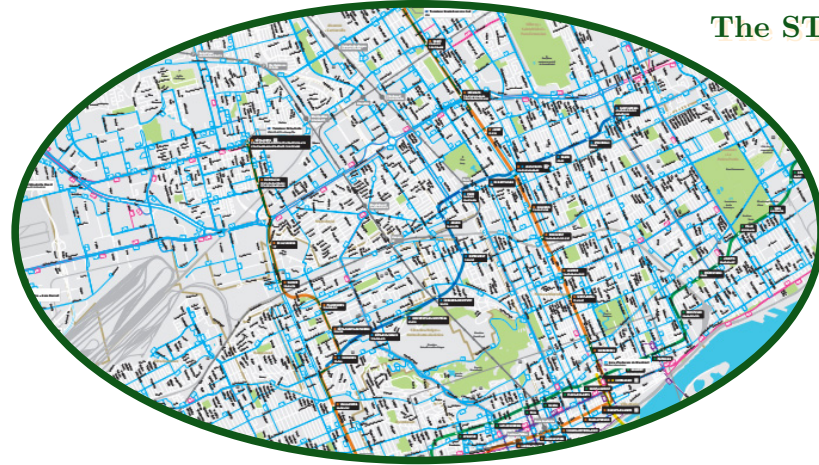


The streets of Berlin



The STM map



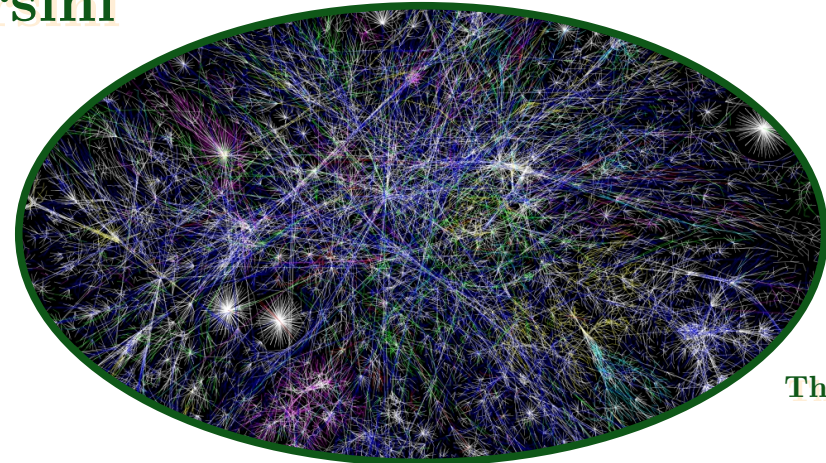
Local Minimum Spanning Tree Optimization

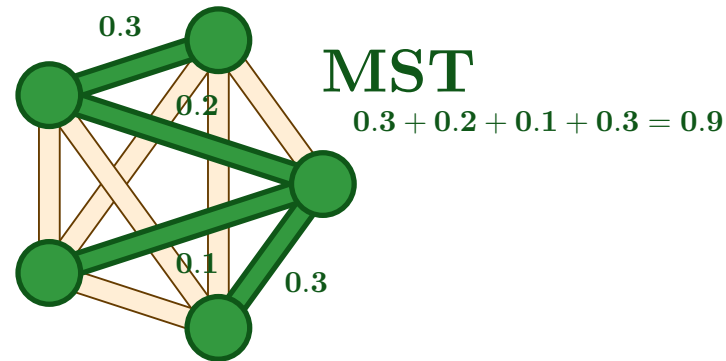
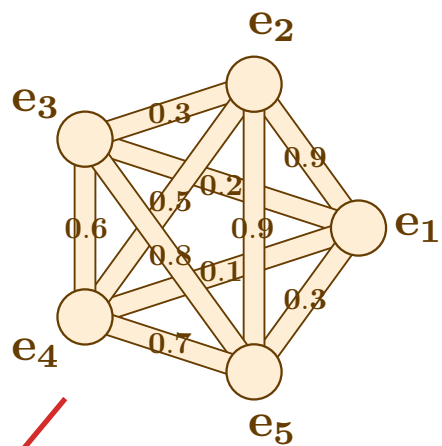
Benoît Corsini

A social network

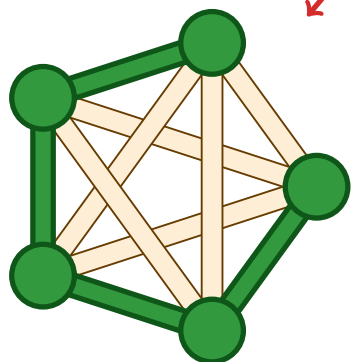
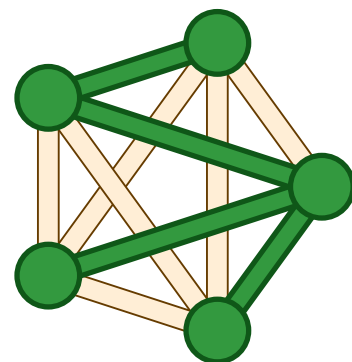


The internet

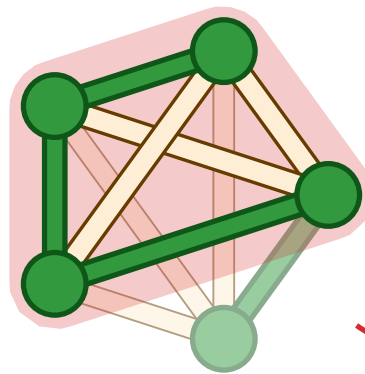
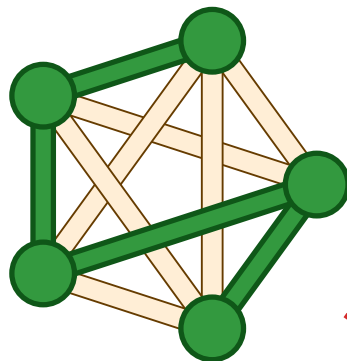
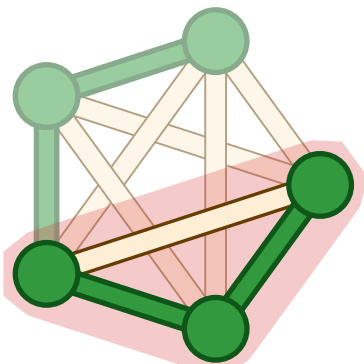




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initial structure
max weight 'w'



Theorem

Consider such a graph on n elements.

Then, as n goes to infinity:

- If $w < 1$, then **impossible** to reach the MST.
- If $w > 1$, then **possible** to reach the MST.