

Introduction to Multilateral Trade Credit Set-off in MPC

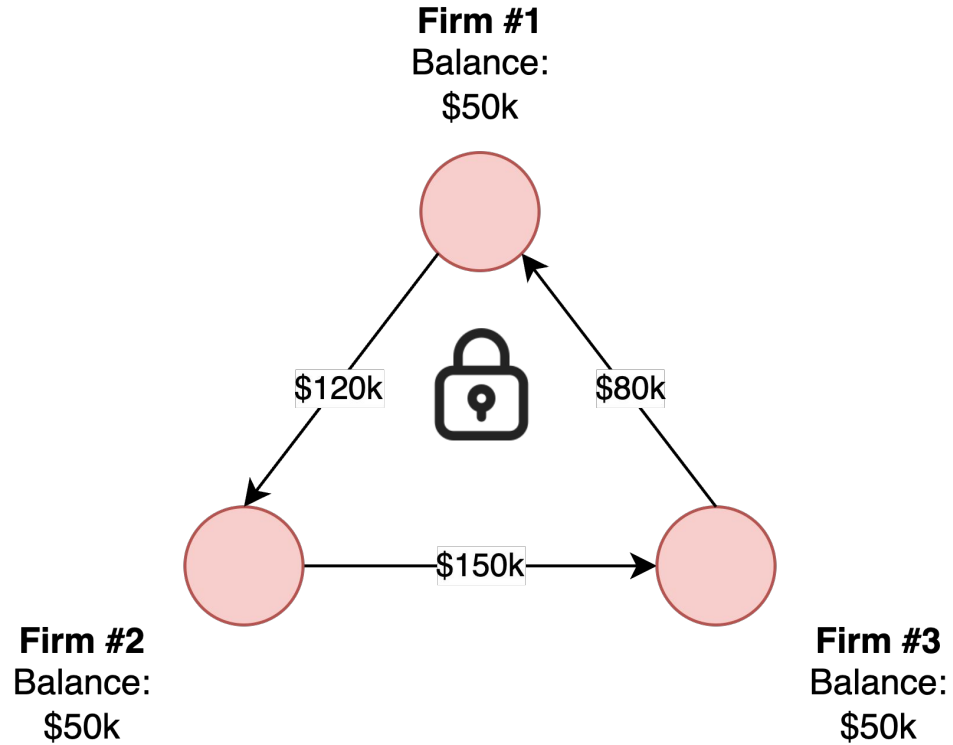
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¹PSE (Ethereum Foundation)

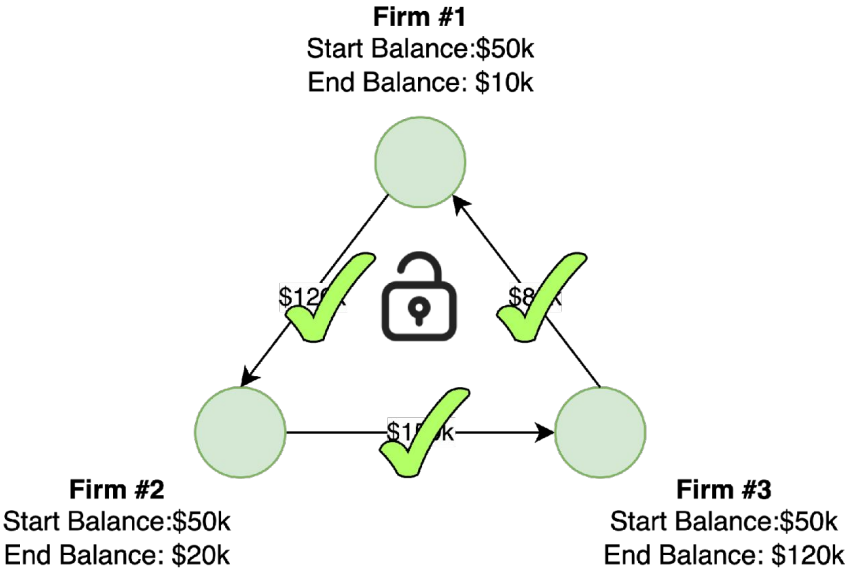
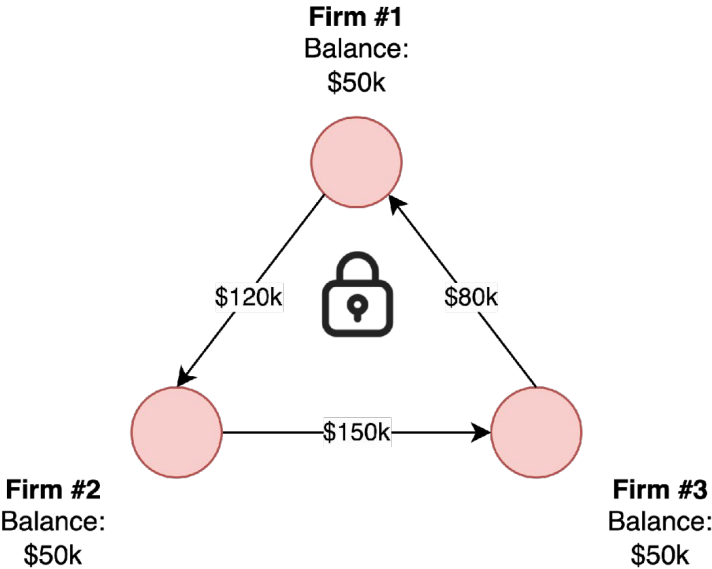
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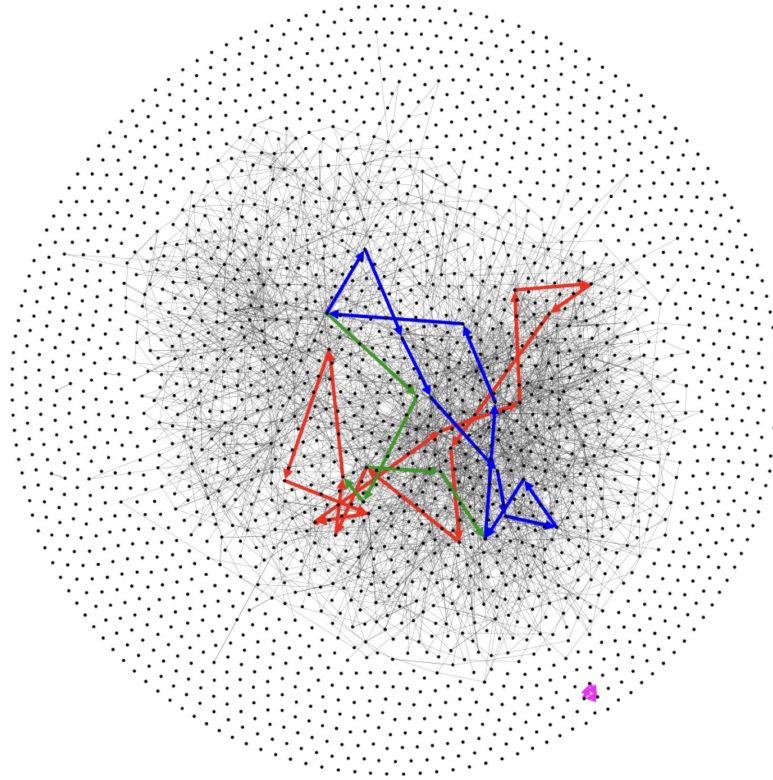
Devcon - Bangkok

Payment Network



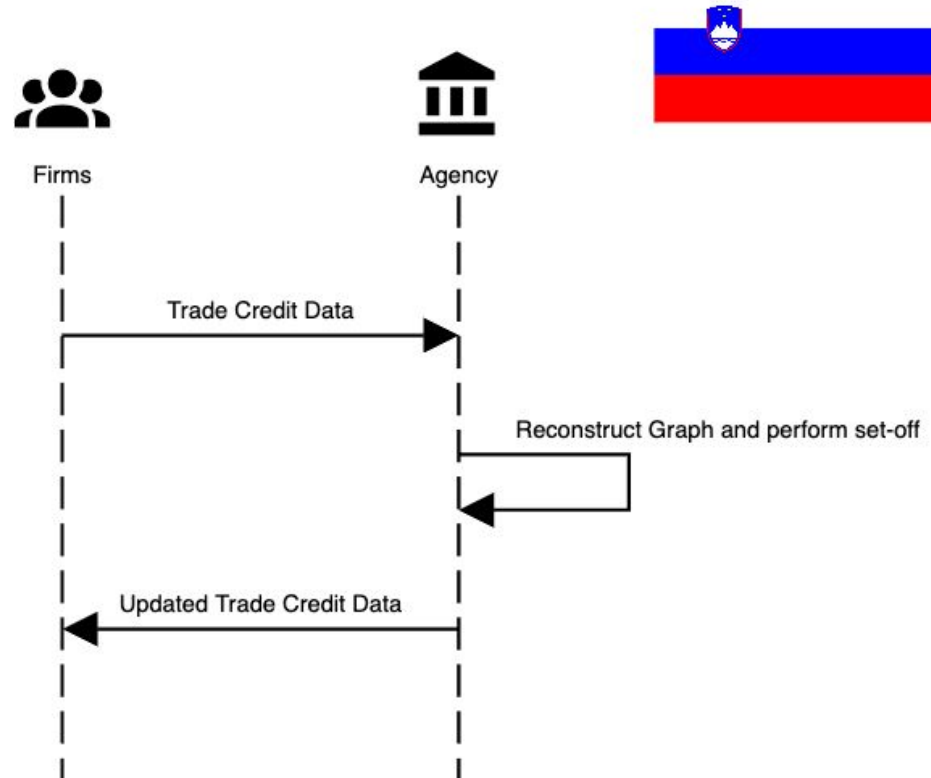
Multilateral Trade Credit Set-off





Sardex B2B payment network in May 2019: Fleischman et al., 2020

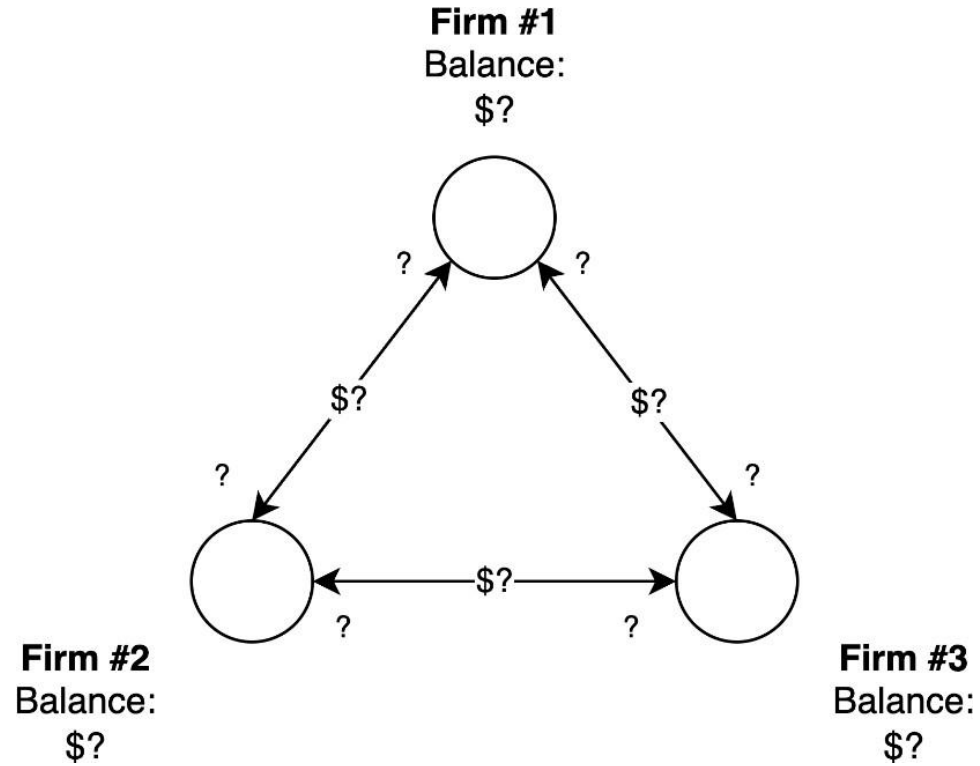
How



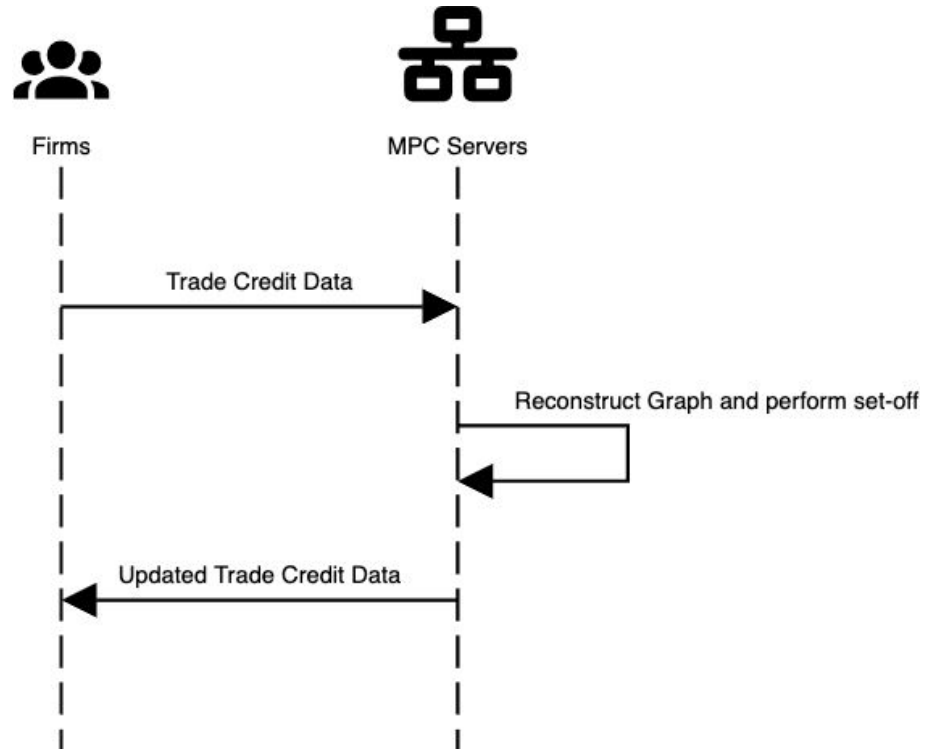
Research Thesis

- The limited participation registered in Slovenia is due to the requirement of giving up view over trade credit data to a government agency.
- Allowing MTCS while guaranteeing privacy over the trade credit data would bring more participation, yielding higher liquidity savings for the participants

Privacy



How



Research Results

- Significantly reduce the complexity of the algorithm to perform MTCS
 - Secure Graph Anonymization
 - Secure Network Simplex
- Results soon to be published - leku.blog