



Optimization strategy in a DvP model 1 Securities Settlement System

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Summary

- ◆ Linkage between topology and settlement algorithm performance
- ◆ The use of several settlement algorithms in a row

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Questions

- ◆ How is the random sample generated?
- ◆ How is the liquidity level varied across the accounts (0 – 400%)? What is the timing of the injection or contraction of liquidity?
- ◆ Why doesn't the Robin Hood algorithm settle at 100% with 100% liquidity in the Mono ISIN 2 participants case?
- ◆ Interesting result: Continuous vs. Batch in volume. The Batch approach performed better in value but not in volume.

Further development

- ◆ Simulations with real securities settlement system data
- ◆ Finding network topology measures and corresponding threshold values for dynamic selection of netting algorithms in run time?