

# Bitstream - Top-Down/Bottom-Up Data Processing for Interactive Bitcoin Visualization.

Matthias Gusenbauer

Masterstudium:  
Visual Computing

Technische Universität Wien  
Institut für Visual Computing and Human-Centered  
Technology  
Arbeitsbereich: Computer Graphics  
Betreuer: Ao.Univ.Prof. Dipl.-Ing. Dr.techn. Eduard  
Gröllner

## Problem

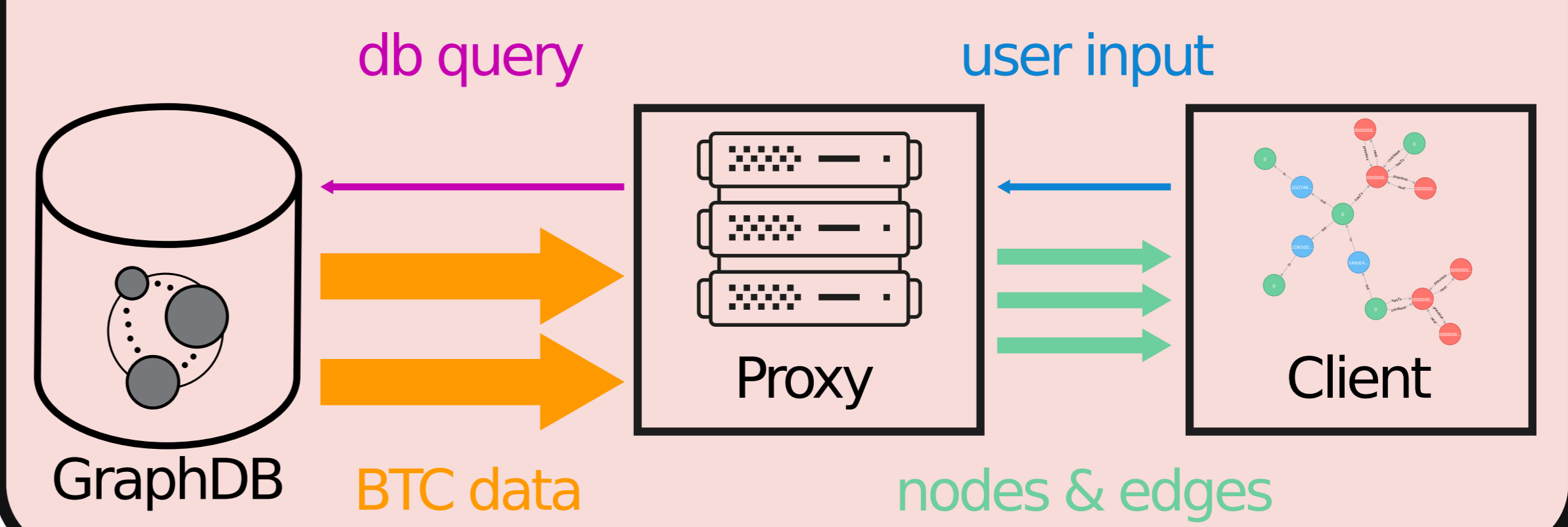
- \* interactive visualization of Bitcoin not possible
- \* blockchain graph too big (~800million nodes)
- \* specialized hardware necessary for visualization

## Research Questions

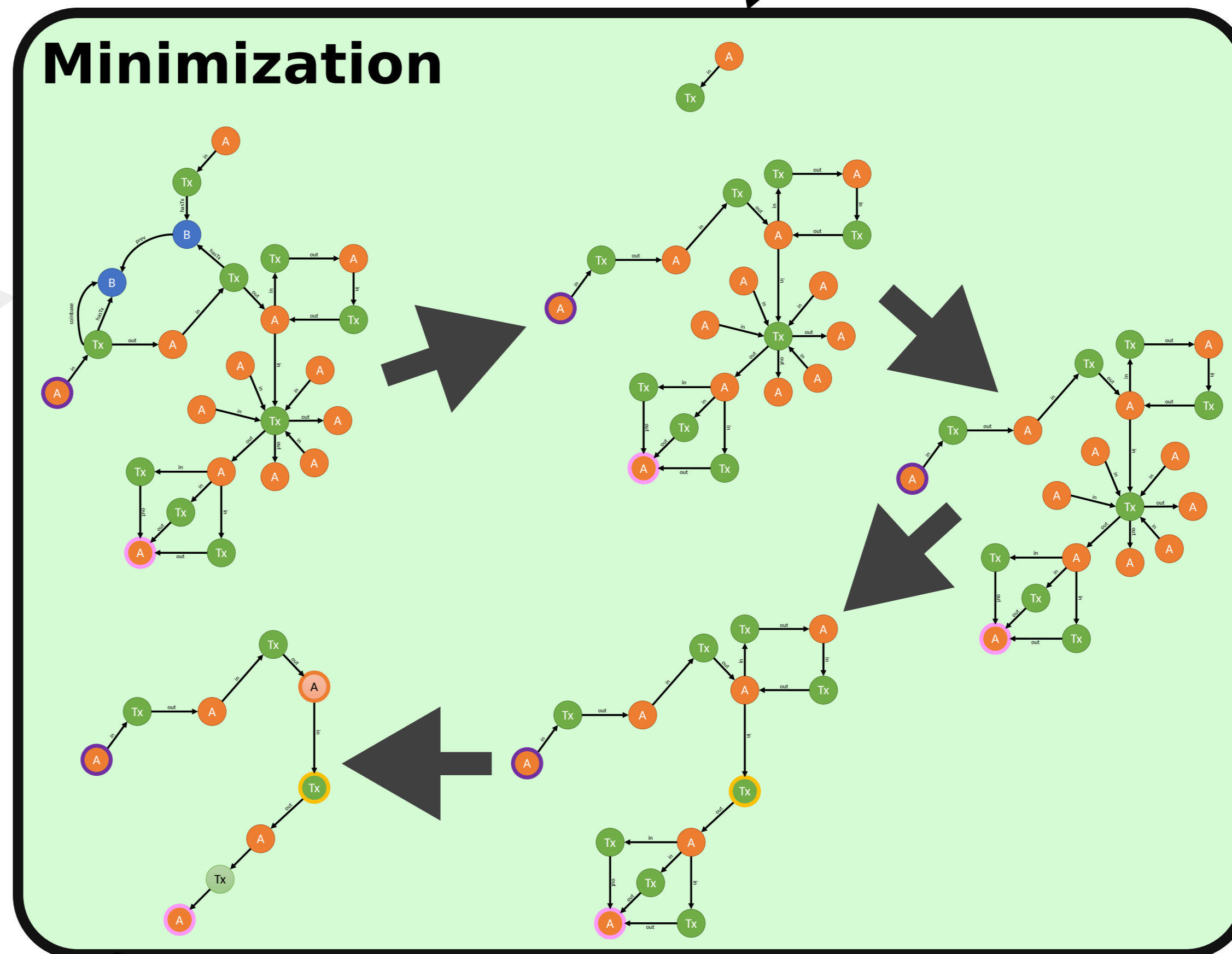
- Q1:** Can we use our approach to find interesting patterns in the Bitcoin blockchain
- Q2:** How effective is our approach in reducing the data to visualize

## Methodology

- \* Streaming
- \* Graph Minimization



## Minimization



## Results

