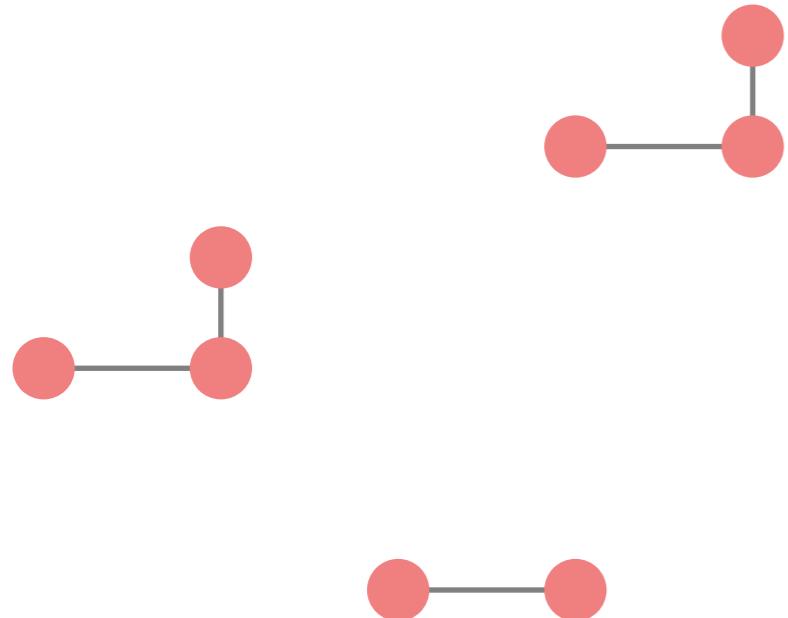
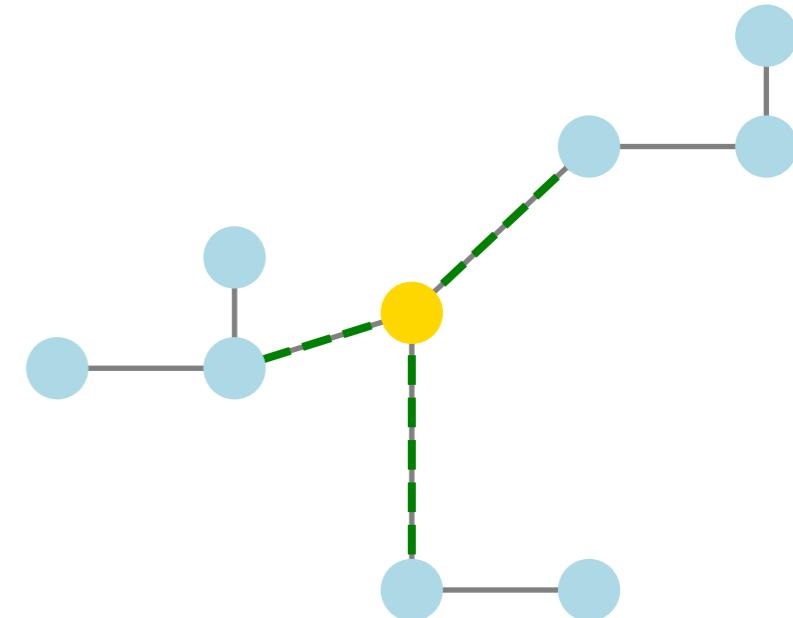


geDIG Framework: Insight Detection through Graph Structure Changes

Before: Disconnected Clusters



After: Integrated Knowledge Graph



New Query

How are concepts
A, B, C related?



GED (Graph Edit Distance)

- Nodes: $8 \rightarrow 9 (+1)$
- Edges: $5 \rightarrow 8 (+3)$

Structural Integration

IG (Information Gain)

- Entropy Variance: High \rightarrow Low
- Inter-cluster Information Flow

Information Organization

$geDIG = -\Delta GED - \Delta IG$

Structure + Information

= Insight Moment

$\theta = -0.5$