



Project 1

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Task-1

(1) Frequent subgraph pattern mining over a single large graph

Task-2

(1) K-hop reachability:

Given a directed graph G, asks whether vertex u can reach vertex v within k hops

(2) Label-constraint reachability:

Given a directed labeled graph G, asks whether vertex u can reach vertex v following label constraints

(3) Reachability on dynamic graphs

References

1. Efficient Processing of K-Hop Reachability Queries

2. BFSI-B: An improved K-hop graph reachability queries for cyber-physical systems

3. K-Reach: Who is in Your Small World

4. C-Graph: A Highly Efficient Concurrent Graph Reachability Query Framework

5. Answering Billion-Scale Label-Constrained Reachability Queries within Microsecond

评价指标

两个任务中任选一个

- 可以组队，每组最多3人

- Presentation (15 minutes)
  - 12 minutes
  - 3 minutes Q/A

  - 讲清楚motivation、问题定义
  - 讲清楚思路、框架
  - 所采用的技术
  - 创新点

提示

- 最新的相关工作
- 设计自己的改进方法
- PPT提交时间：2021.10.28晚23:59
- 展示时间：2021.10.28

Thank You！