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1. Connected Components (definitions)
2. Preface into Work
3. Tarjan's Algorithm (directed) and BFS (undirected)
4. P-Completeness
5. Brief overview of parallel algorithms (in the CC field)
6. Shiloach-Vishkin Algorithm
7. Advantages vs Disadvantages
8. Afforest Algorithm
9. Link Operation Demo
10. Compress Operation Demo
11. Proof Operations Preserve CC of graph
12. Key Implementation Details
13. Subgraph Sampling : Uniform
14. Subgraph Sampling : Vertex Neighbour Sampling
15. Work, Span, Parallelism Calculation
16. Theoretical Worst Case Performance and Performance given certain graphs
17. Test Data
18. Other Results
19. Conclusion
20. Questions