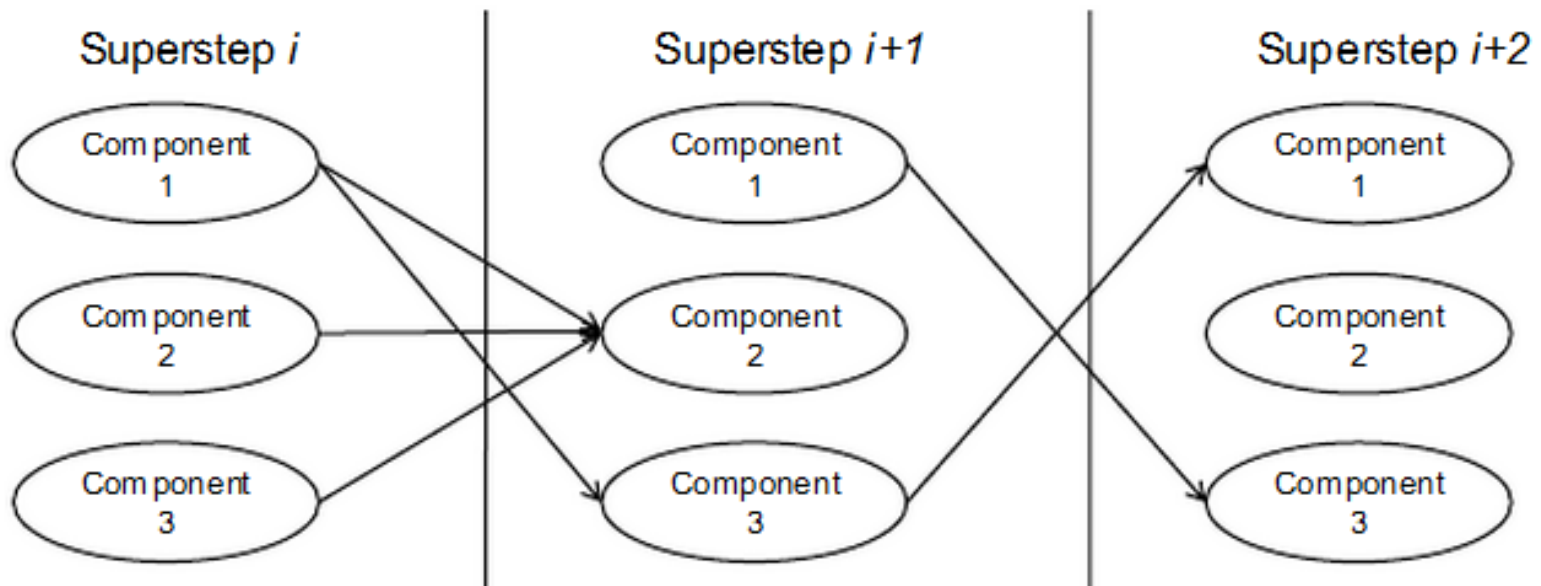


Implementing the Bulk Synchronous Parallel Model in CIEL

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Bulk Synchronous Parallel Model

- A computation is a sequence of iterations
- Each iteration is called a *superstep*
- User defined function computed at each vertex in parallel



CIEL

- Allows iterative and recursive task-parallel algorithms
- Dynamically builds the DAG

Comparison to Pregel

What I will implement	What I won't implement
Master-Worker Model Vote to halt Topology mutation	Fault Tolerance Aggregators Combiners

Evaluation against Giraph

- Open source of Pregel
- Runs on top of Hadoop

Thread architecture

