**Breadth-First Search/Sort using Message Passing (distributed parallel computing)**

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**Section: 6E**

Objective: Breadth-First Search/Level-wise Sort (BFS) is one of the most fundamental graph algorithms used as a component of many graph algorithms. We will distribute the data set of given vertices level wise and execute them parallelly using distributed computing and use message passing to communicate on each level

Goals: We are going to implement Breadth-First Sort as well as Breadth-First Search

Technology: MPI LIBRARY, C LANGUAGE