Dataset: Amazon 0302 from stanford collection. It is a directed graph dataset.

Traversal: BFS

Covered algorithm: None

Complex: Strongly connected component, PageRank

The dataset we are using is the Amazon 0302 set from the Stanford Large Network Dataset Collection. This dataset contains the information about the items customers co-purchased along with a certain specific item. The graph data is directed and unweighted. The traversal we are using is the Breadth First Search algorithm.

We are implementing two complex algorithms: Strongly connected component (SCC) and PageRank. Strongly connected component algorithm is used to find how likely a set of products are to be bought together in the stanford data set. Page rank algorithm is used to find how popular each product is in the data set.