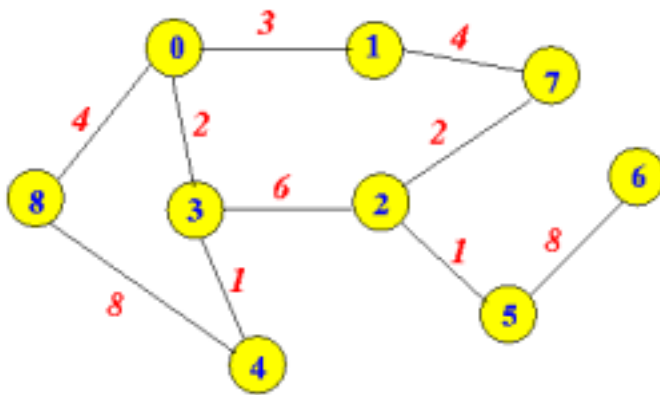


Consider the Floyd's algorithm for finding all pairs shortest path.

1. Implement the sequential version of the algorithm.
2. Implement it using OpenMP.
 - a. Check the performance for changing number of threads.
 - b. Plot graphs and draw inferences.
3. Execute the MPI program given in the text book. Benchmark the program.
4. Verify all your implementations on the graph given below.
5. List your learnings.



Note: An undirected graph implies there is a path in both the directions.