- 1. the vertices in the undirected graph
- 2. If the two vertices are connected, they are equivalent. The relation is reflexive, symmetric, and transitive.
- 3. at the beginning, every vertex in the graph will be in its own equivalence class, the number of classes is equal to the number of vertices.
- 4. in each iteration, we will have two vertices and check if the two vertices is connected, if so, make the two vertices into one equivalence class.
- 5. when each pair of vertices in the graph is checked, or when every vertex is in a single equivalent class.