

The graph structure is as follows:

- Nodes:** 15 nodes in total. 13 are labeled "Single" and 1 is labeled "O_1".
- Edges:** 25 edges in total, all labeled "Single".
- Structure:**
 - A central cycle of 6 nodes (all "Single") is the core of the graph.
 - To the left of this cycle is a diamond-shaped structure consisting of 5 nodes (all "Single").
 - To the right of the central cycle is a more complex structure consisting of 9 nodes (all "Single"). This structure includes a cycle of 5 nodes and a path that leads to a node labeled "O_1".