

Eulerian Path Algorithm

Connect node with out-degree $<$ in-degree to node with out-degree $<$ in-degree. So that we will have an Eulerian cycle.

Why will you return to u ?

Walk from some arbitrary node u until you return to u , creating a doubly linked list of the path you visit.

Repeat until all edges used:

- Start from some node w on the current tour with unused edges*.
- Walk along unused edges until you return to w , inserting the visited nodes after w into the current tour list.

*How can find such a node quickly?

