2608. Shortest Cycle in a Graph

Hint ⋯

Hard ✓ 👍 416 👎 14 ☆ ⤴

🔒 Companies

There is a **bi-directional** graph with `n` vertices, where each vertex is labeled from `0` to `n - 1`. The edges in the graph are represented by a given 2D integer array `edges`, where `edges[i]` = `[u_i, v_i]` denotes an edge between vertex `u_i` and vertex `v_i`. Every vertex pair is connected by at most one edge, and no vertex has an edge to itself.

Return *the length of the **shortest** cycle in the graph*. If no cycle exists, return `-1`.

A cycle is a path that starts and ends at the same node, and each edge in the path is used only once.

Example 1: