

Double-bridge

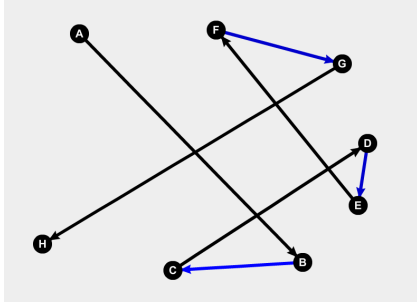


Fig. 1. Initial route, the black edges will be changed. Four edges, namely (A,B), (C,B), (E,F), (G,H) are randomly chosen.

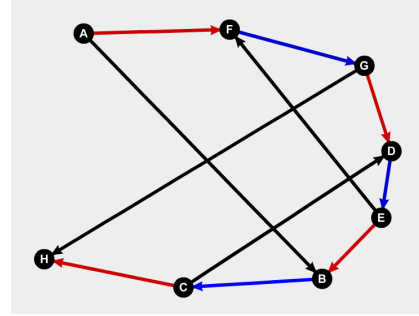


Fig. 2. New red edges are added connecting vertices of the first edge and the third edge, and the second edge and the fourth edge.

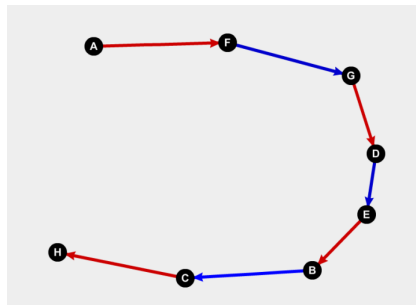


Fig. 3. The black edges are deleted.