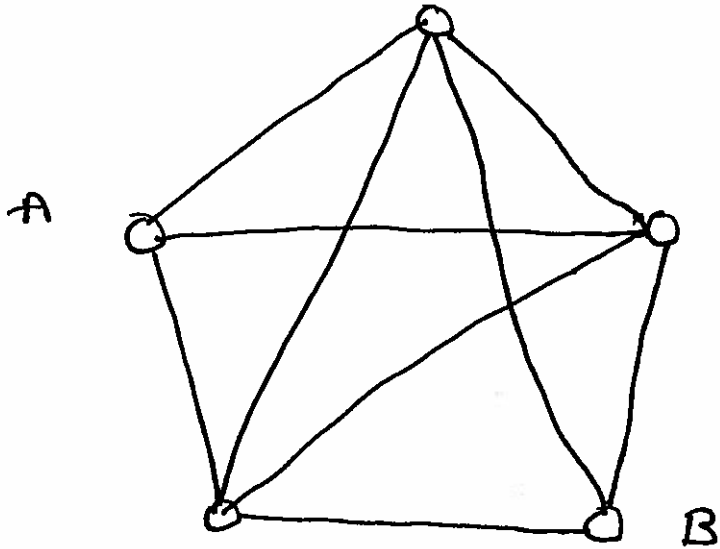
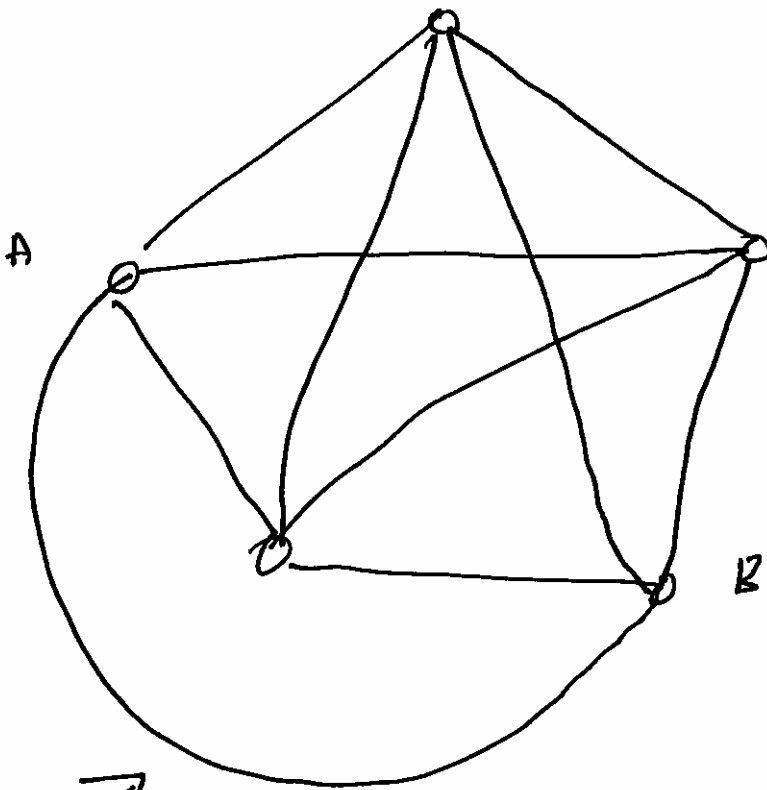


Example 4

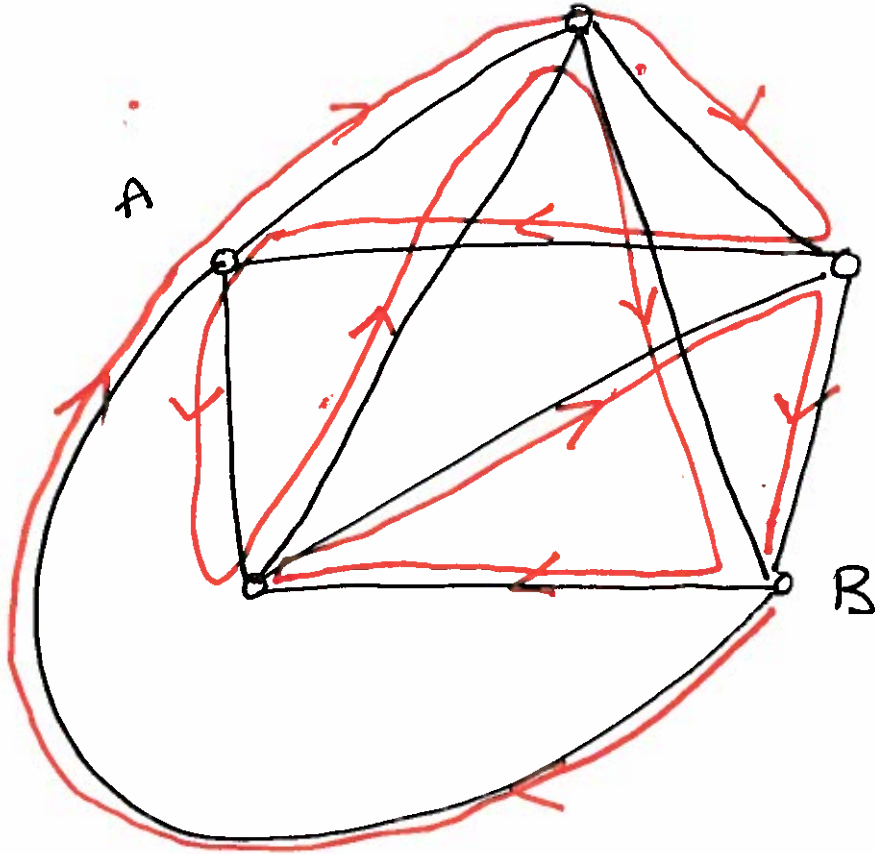


Add edge between A and B

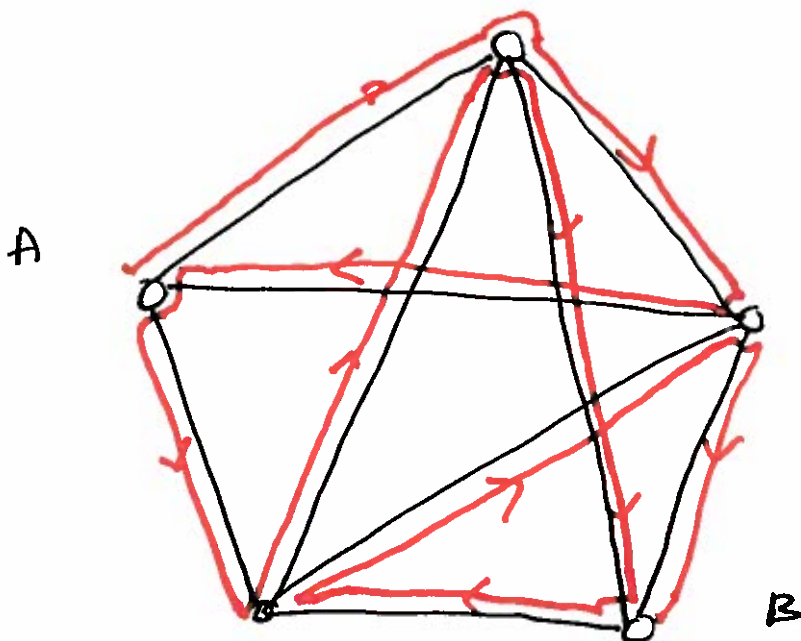


new edge

Find Eulerian walk



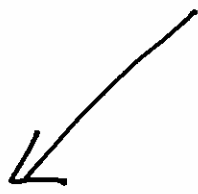
Now remove the added edge



map is is
edge-traceable

This has been proved

4



to be true (always!)

Theorem A map is Eulerian

precisely when it is connected
and every intersection has an even
number of roads connected to it.

Connected means the map is in
one piece ("no islands").

Theorem A map is edge-traceable
precisely when it is connected and has
exactly two intersections with an odd
number of roads connected to each of
them.