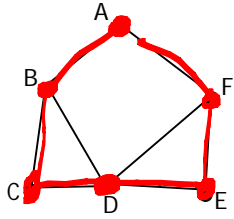
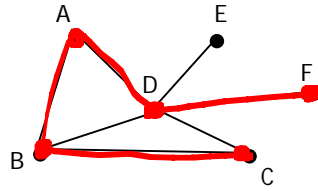


1. Hamilton looked at the 'graph puzzle' from a slightly different perspective. He asked if it was possible to traverse the graph and pass through each vertex only once. Again similar to Euler, the graph is considered to have a Hamilton Circuit if you can end at the same vertex you started with and a Hamilton Path if you start and end on different vertices. Circle each graph below that you think has a Hamilton Circuit and put a square around each that you think has a Hamilton Path.

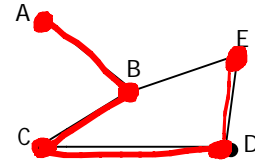


HAMILTON CIRCUIT

ABCDEF

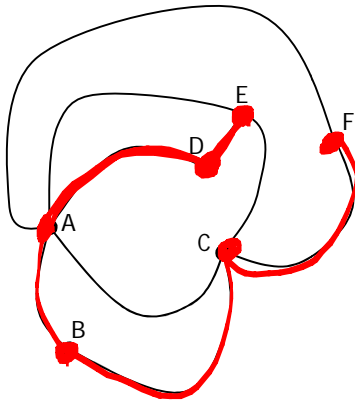


NOT POSSIBLE



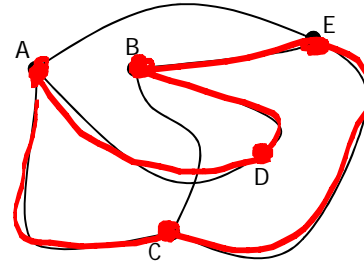
HAMILTON PATH

ABCDE



HAMILTON PATH

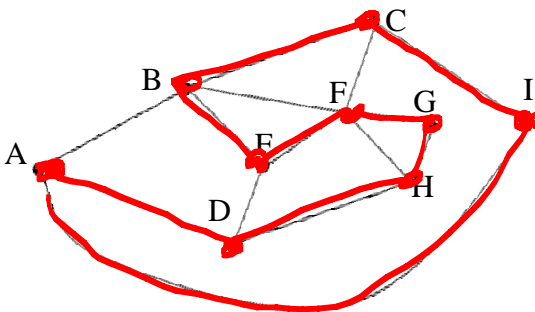
EDABC F



HAMILTON CIRCUIT

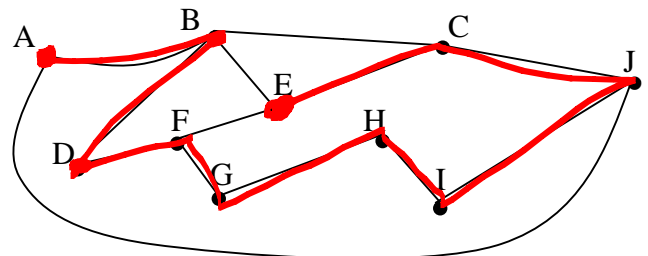
ADBECA

2. Find a **HAMILTONIAN CIRCUIT** of the graph below (Give a sequence of letters to describe the path (e.g. A, D, E, B, etc.))



ADHGFEB CIA

3. Find a **HAMILTONIAN PATH** of the graph below (Give a sequence of letters to describe the path (e.g. A, D, E, B, etc.))



ABDFGH IJCE