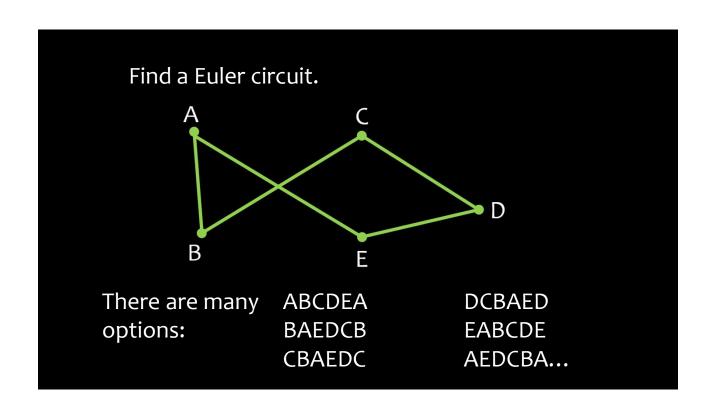


Euler-Edges

Euler circuit: travels over each edge once and only once in a connected graph AND goes back to the starting point

TRICKS:

- look for a graph that all the vertices have evennumbered degrees
- start at any vertex and end there as well

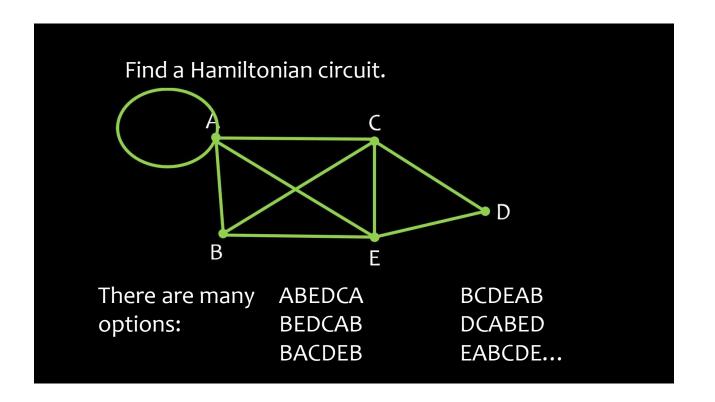


Hamiltonian—Vertices

Hamiltonian circuit: a circuit that passes through every <u>vertex</u> once and only once

TRICKS:

• NONE—use trial and error



Play Glow Puzzle

- Take out your phones and download "Glow Puzzle"— FREE version—only available on Apple devices
- 2. Play
- 3. What do you notice about this game?



Classwork/Homework

MHS Worksheets

- Chapter 3—Circuits (also known as Cycles) # 1-10
- Chapter 3—Paths and Circuits—Putting it all Together # 1-10

Online assignments

- Chapter 3—Circuits (also known as Cycles)
- Chapter 3—Paths and Circuits—Putting it all Together # 1-10