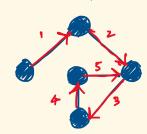
Sunday, October 29, 2023

5:36 AM

Eulevian path is a path that visits all edge exactly once.



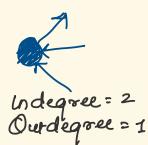
Eulerian circuit etants l'ends at the lame circuit.

Degree

Undirected

Directed

Degree = 3



Drenequisites for a Gulerian path & circuit

## finding an Eulerian path is a directed graph

1. Verify that there is a eulerian path.

2. Must have exactly a nodes with in-out = ==

3. Every time we visit a node's children, we keep removing the edges.

4. 4 all edges are removed, add node to path.

	Circuit	<u>Path</u>
Undire-cted	every node has even degree	Every node has even or exactly 2 nodes with these nodes for the start odd degree.
Directed	Every node has eq is 2 out-degree	At most one node has  in-out=1 & one node  has out-in=1. Rest  all must have same degree

4 graph has Eulenian paths, it also has virtuite

\* 4 path has more than eq to (edge wunt +1), false!