Lecture 15, Feb 14, 2022

Mesh Analysis With Current Sources

- When there's a current source at the edge of a circuit, we can get the branch current from the source directly
- For dependent current (or voltage sources), express the variable that it depends on in terms of mesh currents, similar to nodal analysis
- When there's a current source shared by two meshes, combine the two meshes into a single "supermesh" like a supernode for nodal analysis and write KVL for this supermesh
    - This takes away one equation, but another equation can be written for the current source
- Mesh analysis can only solve *planar* circuits (all the circuits we see in this course are planar)