

TOPOLOGICAL SORT

If $G = (V, E)$ is a DAG then a topological sorting of V is a linear ordering of V such that for each edge (u, v) in the DAG, u appears before v in the linear ordering.

- Topological sorting works only on Directed Acyclic Graphs (DAGs).
- There may be multiple valid topological orders depending on the graph.
- Nodes with no incoming edges are processed first.

Example:

- <https://www.youtube.com/watch?v=HainTpBLuGc>
- <https://www.youtube.com/watch?v=4KqX5w2mAUw>
- https://www.youtube.com/watch?v=Hux2cfX_a14