NPTEL

NPTEL ONLINE CERTIFICATION COURSE

Discrete Mathematics
Graph Theory - 1

Definitions revisited

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Since it was a lot of definitions I would like to summarize what we are seeing in the last 3 videos, walk is the sequence of vertices and edges, when it does not matter if you repeat the edges and the vertices, it really does not matter and hence a walk is just a sequence of vertices and edges.
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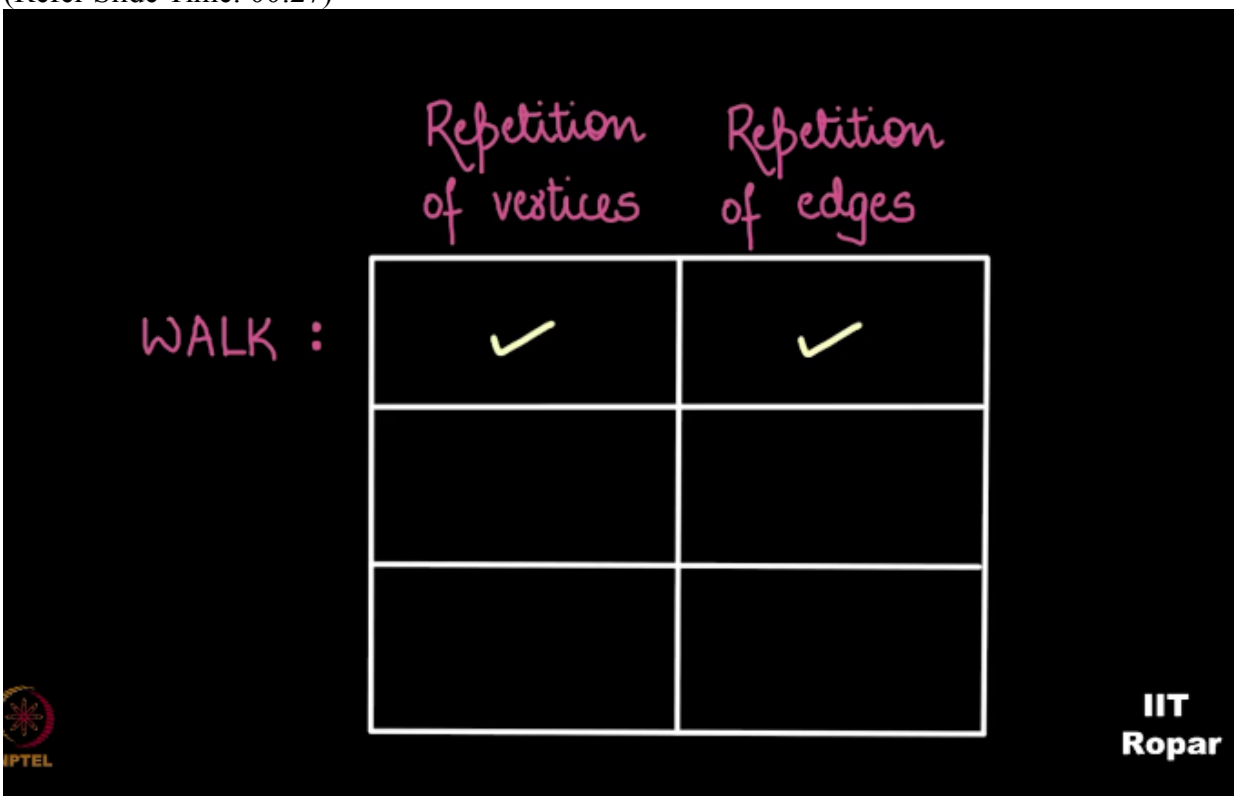

A trail is the walk where you can repeat vertices, but repetition of edges is not allowed,
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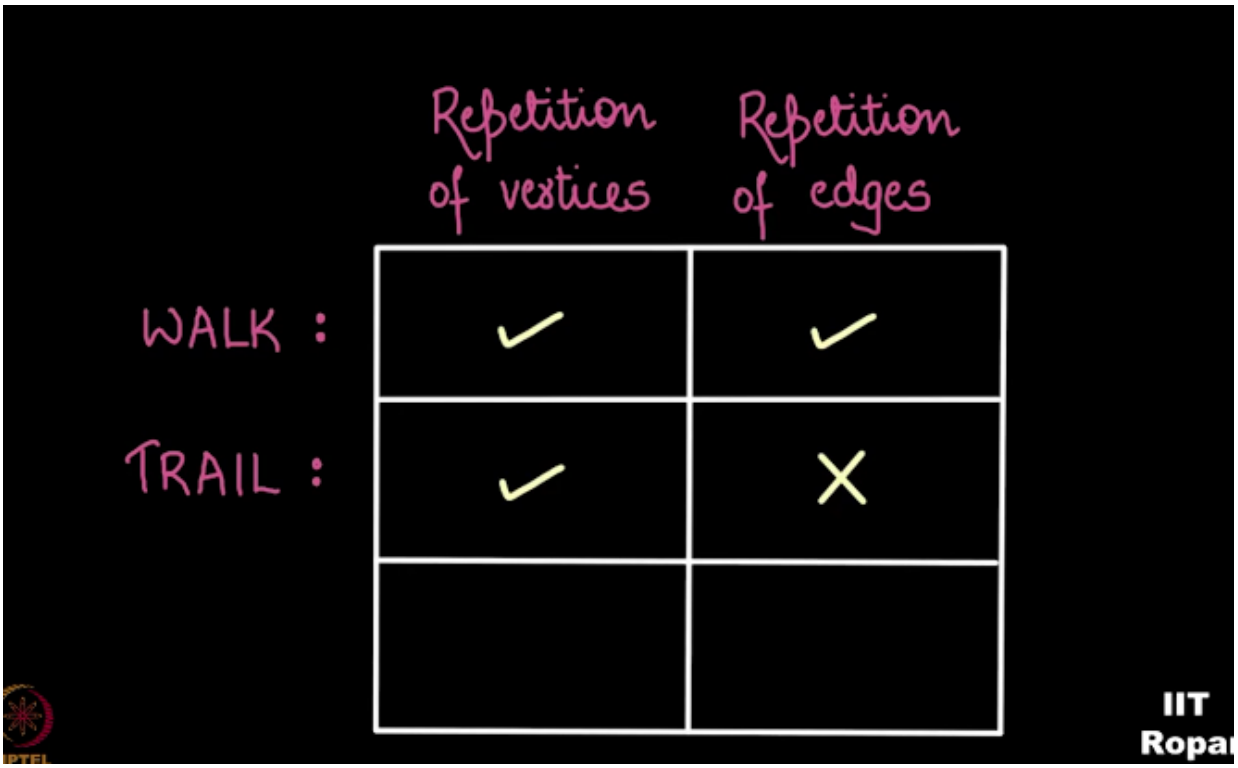

and the path is a walk where you cannot repeat the vertices which indeed implies, you are not repeating the edges.

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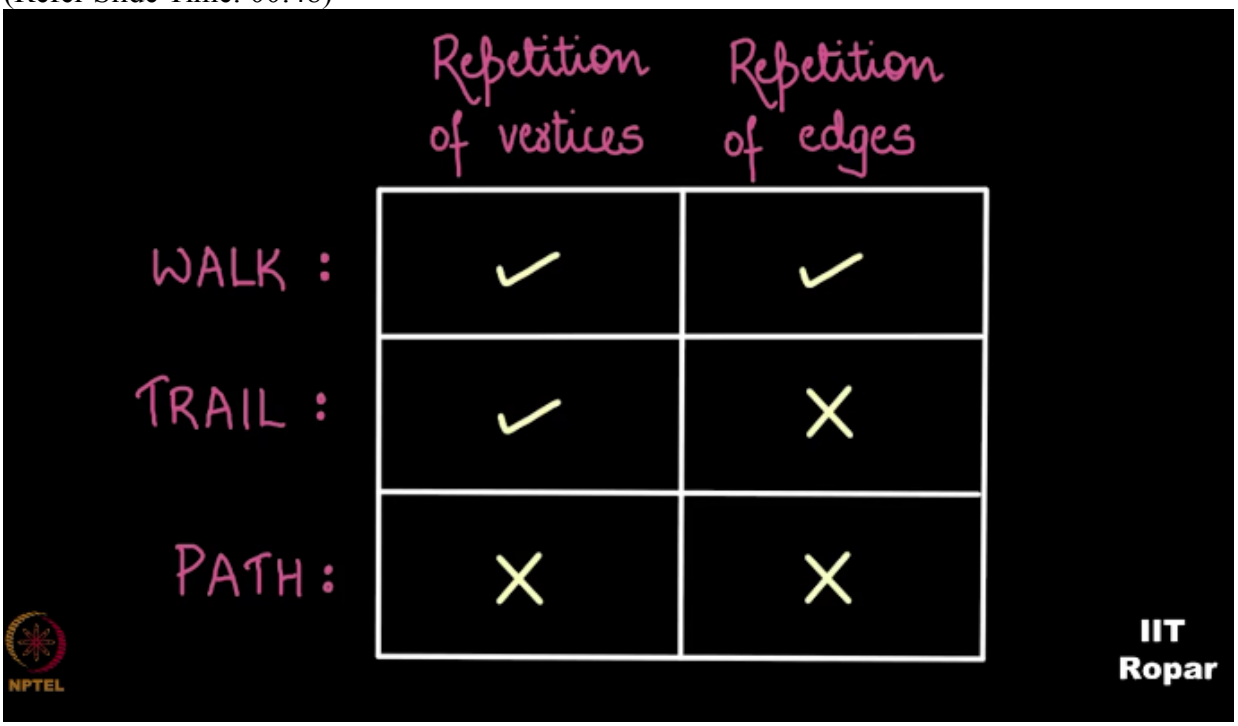

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