Algorithms → Graphs → Connectivity in graphs

Connectivity in graphs → The number of connected components

📶 Hard   🕐 1 minute   ❓

Given below is an undirected graph:
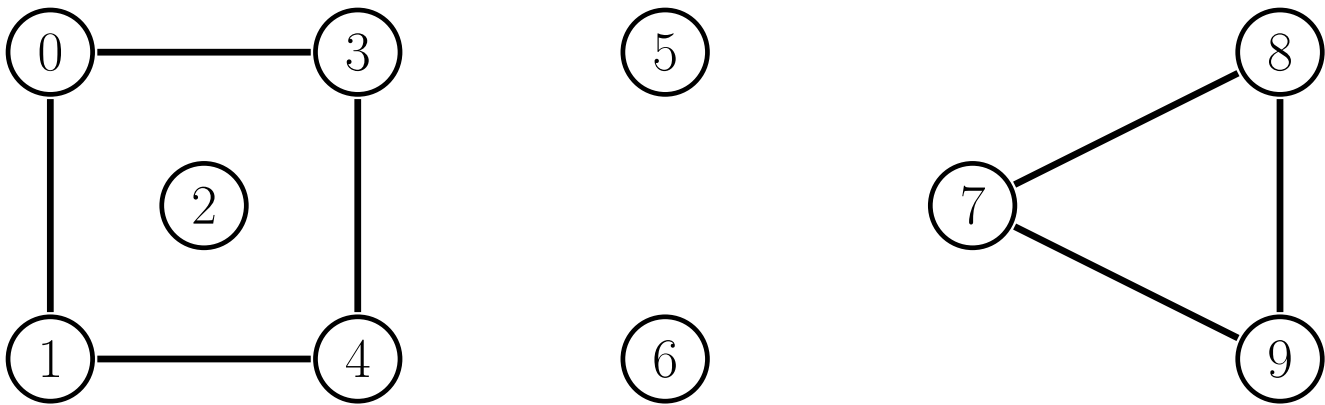
What is the number of connected components the graphs consists of?

🗎 Report a typo

↧ Enter a number

5

✓ Correct.

😡 Thanks for your feedback!

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SF   Stepan Filippov
3 months ago

Note that a connected component can consist of only one node. This doesn't contradict the definition in the theory that says: "each pair of nodes in this subgraph is connected". If you want to learn more about why it happens, read this article https://www.quora.com/What-is-vacuous-truth otherwise just treat it as a part of the definition.

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