

Games, graphs, and machines



October 16, 2024

Equivalent?

Are $\text{Nim}(2, 3, 4)$ and $\text{Nim}(3, 4, 5)$ equivalent?

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Is there a Nim game that distinguishes $\text{Nim}(2, 3, 4)$ and $\text{Nim}(5)$?

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Is there any game that distinguishes them?

$$G + P \sim G$$

With apologies to Tolstoy

All P-games are alike; each N-game is N in its own way.