

CS-49: Game Theory

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Problem 10.

Suppose you are playing a sum of two games, one of which is just a single NIM stack of size 5. In the other game a move can produce a position of value $*k$ for any $k \in \mathcal{K}$, where \mathcal{K} is a finite set of nonnegative integers. What sets \mathcal{K} result in this sum of games being in the outcome class **P**?