

# The von Neumann-Morgenstern Stable Sets for 2x2 Games

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## **Abstract**

We analyze the von Neumann and Morgenstern stable sets for the mixed extension of 2x2 games when only single profitable deviations are allowed. We show that the games without a strict Nash equilibrium have a unique vN&M stable set and otherwise they have an infinite number of these sets. Moreover the unique vN&M stable set includes a Pareto optimal strategy profile.