

Some variations of the Banach–Mazur game

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The Banach–Mazur game is strongly related to the property of being a Baire space: if one of the players does not have a winning strategy, then the space is Baire. On the hand, if the other player has a winning strategy, then the space is productively Baire. The first statement is actually a characterization. We present some variations on the Banach–Mazur game in the hope to get characterization for the second statement.

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