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Tricia Muldoon Brown* (tmbrown@georgiasouthern.edu). *A bijection on maximum arrangements of nonattacking pawns.*

The problem of enumerating nonattacking arrangements of chess pieces has a long history. We briefly discuss classical results for traditional pieces such as bishops, knights, and rooks, and, using a bijective proof, we show the number of ways to arrange a maximum number of nonattacking pawns on a $2m \times 2m$ chessboard is $\binom{2m}{m}^2$. (Received August 29, 2019)