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2. A card is drawn from a standard deck, then replaced, and a second card is drawn. What is the probability that neither card is a face card, but that the first is black and the second red?

3. Suppose that $N$ is a Peano system. Show that $x \neq y \Rightarrow x' \neq y'$.

4. Regarding 2 as the element $(0')'$ of a Peano system, compute $2 + 2$. 

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