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Continuous Mappings of Domains in Sphere

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Theorem 1 *Let RP^n be n -dimensional projective space. There exists continuous mapping $f : RP^n \rightarrow S^n$ onto n -dimensional sphere that $\text{card } f^{-1} \leq 3$ for every point $y \in S^n$.*

Theorem 2 *Let RP^n be n -dimensional projective space. There exists continuous mapping $f : RP^n \rightarrow B^n$ in n -dimensional ball that $\text{card } f^{-1} \leq 2$ for every point $y \in B^n$, $n \leq 3$.*

For $n \geq 4$ the last theorem remain open problem.