TOPOLOGICAL MANIFOLDS ‖ PROBLEM SHEET 9

Problem 1. Prove the "topological weak Palais theorem". That is, let $n \geq 6$, let M be a connected n-manifold, and let $\phi, \psi \colon D^n \to \operatorname{Int} M$ be locally collared embeddings. Then there exists a homeomorphism $h \colon M \to M$ with $h \circ \phi = \psi \colon D^n \to M$.

Problem 2. Up to PL-homeomorphism, how many closed PL manifolds homotopy equivalent to T^6 are there?