# Branched covering description of lens space surgery

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**Abstract.** The speaker has studied knots in Poincare homology sphere yielding lens spaces by Dehn surgery. From the fact that the examples are strongly invertible, we concretely describe the Dehn surgeries. As a corollary we show that a class of Brieskorn homology spheres and the splicing of them give rise to lens spaces by Dehn surgery.