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BoGwang Jeon* (bogwang.jeon@gmail.com), 2990 Broadway, New York, NY 10027. *The Pink-Zilber conjecture and the generalized Cosmetic Surgery Conjecture*. Preliminary report.

The following is a well-known conjecture of C. Gordon: Let M be a 1-cusped hyperbolic 3-manifold and $M(p/q)$ and $M(p'/q')$ be its p/q and p'/q' - Dehn filled manifolds (respectively) which are all hyperbolic. Then $M(p/q)$ is isometric to $M(p'/q')$ if and only if $p/q=p'/q'$. In this talk, I will explain how one can generalize this conjecture to an n -cusped hyperbolic 3-manifold by assuming another well-known conjecture in number theory, so called the Pink-Zilber Conjecture. (Received March 08, 2017)