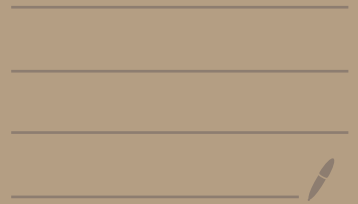


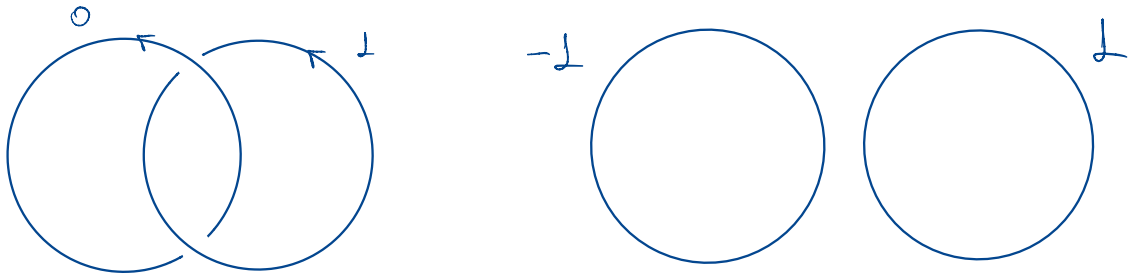
HW

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Kirby Calculus



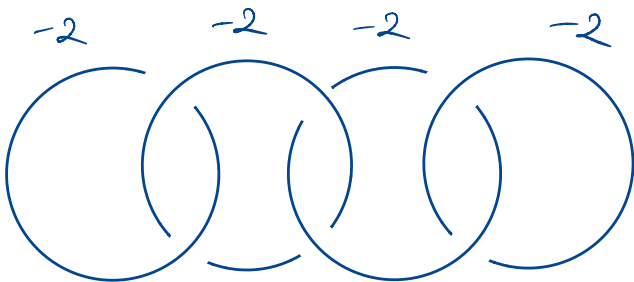
① Show that



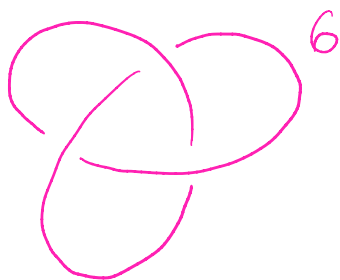
② Show that

$$L(mn-1, m) \cong L(mn-1, n)$$

③ What manifold / surgery does the following diagram describe?



④ What manifold / surgery does the following diagram describe?



⑤ Show that

$$\begin{array}{ccc} \text{Diagram 1}^{-1} & \cong & \text{Diagram 2}^{+1} \\ & & \cong L(18, 5) \end{array}$$

