Comprehension questions

Problem 17.1. Draw an explicit sequence of moves that transforms one of these loops into the other:

Problem 17.2. Show that the $J^-$ and $J^+$ invariants for a loop are the same as for its mirror image (the reflection along any axis).

Problem 17.3. Compute the $J^+/J^-$ invariants of this (for a general $k$), and explain how you did it:

Problem 17.4. Compute the $J^+/J^-$ invariants of the loop from Problem 16.5 (for a general $k$), and explain how you did it.

Problem 17.5. Re-compute the $J^-$-invariant of the loop from Example 17.7 using the Viro-Gutkin formula.

Problem 17.6. Compute the $J^+/J^-$ invariants of this, and explain how you did it:

Problem 17.7. Compute the $J^+/J^-$-invariants of the loop from Example 16.8. It’s enough to just state the answer.