

Figure 6: The loop $push(K', K)$

$$qR_{2,1,2}^{(2)}(push(3_1^+, 8_{17})) = x^{-5}$$

$$qR_{2,1,2}^{(2)}(push(3_1^+, -8_{17})) = -x^{-3} + 2x^{-4}$$

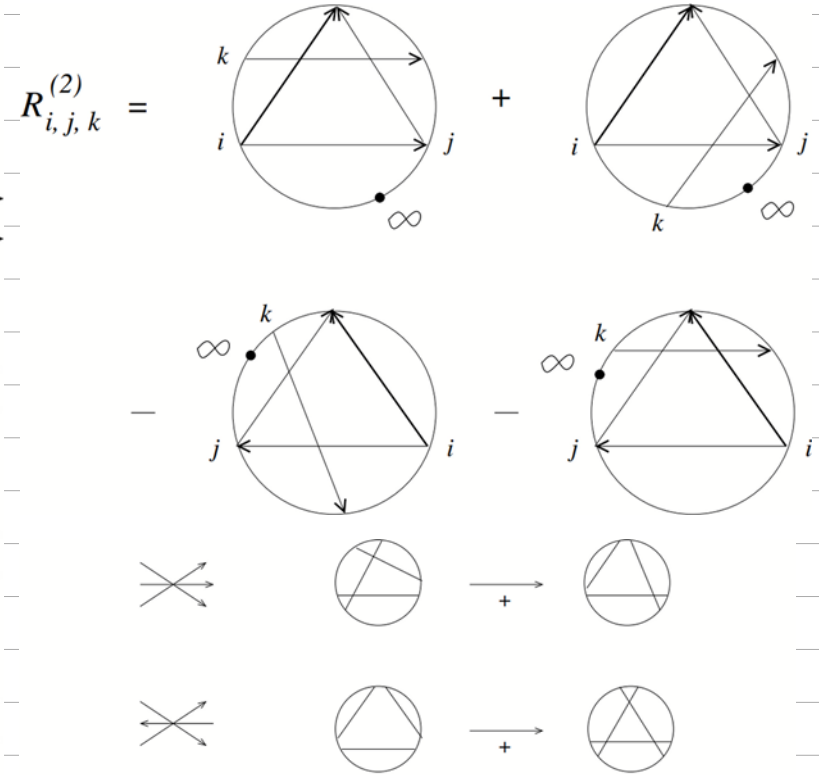


Figure 4: The coorientation for Reidemeister III-moves