

The diagram illustrates a sequence of transformations of a knot with three marked points:  $m_\sigma^+$ ,  $q_{1/\psi}$ , and  $q_\sigma$ .

- Diagram 1:** A blue dashed arc connects  $m_\sigma^+$  and  $q_{1/\psi}$ . A small orange loop encircles  $q_\sigma$ , with a blue dot on the arc between  $q_\sigma$  and  $q_{1/\psi}$ .
- Diagram 2:** An arrow labeled  $R$  points to this diagram. The orange loop now encircles  $q_{1/\psi}$ , and the blue dot is on the arc between  $q_{1/\psi}$  and  $q_\sigma$ .
- Diagram 3:** An arrow labeled  $(-1)$  points to this diagram. The orange loop encircles  $q_\sigma$  again, but the blue dot is now on the arc between  $q_\sigma$  and  $m_\sigma^+$ .
- Diagram 4:** An arrow labeled  $= -d$  points to this diagram. The orange loop encircles  $q_{1/\psi}$  again, with the blue dot on the arc between  $q_{1/\psi}$  and  $m_\sigma^+$ .
- Diagram 5:** An arrow labeled  $= A^4 d$  points to this diagram. The orange loop encircles  $q_\sigma$  again, with the blue dot on the arc between  $q_\sigma$  and  $m_\sigma^+$ .