Difference topology is a technique used to study any protein that can stably bind to DNA. This technique is used to determine the confirmation of the DNA bound by the protein. Motivated by difference topology experiments, this talk utilizes a skein relation to model the local action of topoisomerase and site specific recombinase. This skein relation relates three knots, $K_+, K_-, K_I$ and one link, $K_D$ where $K_+$ as an oriented knot with a distinguished positive crossing; $K_-$, a knot obtained by changing the distinguished positive crossing of $K_+$ to a negative crossing; $K_I$, a knot obtained by the non-oriented resolution of the distinguished crossing of $K_\pm$; and, $K_D$ is a link obtained by the orientation preserving resolution of the distinguished crossing. (Received September 02, 2014)