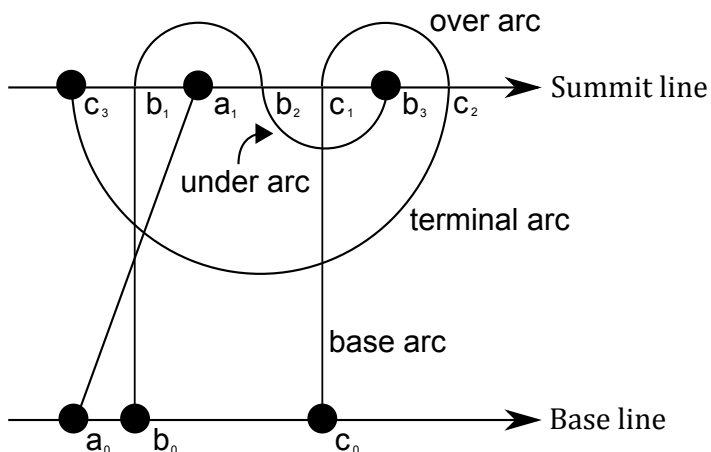


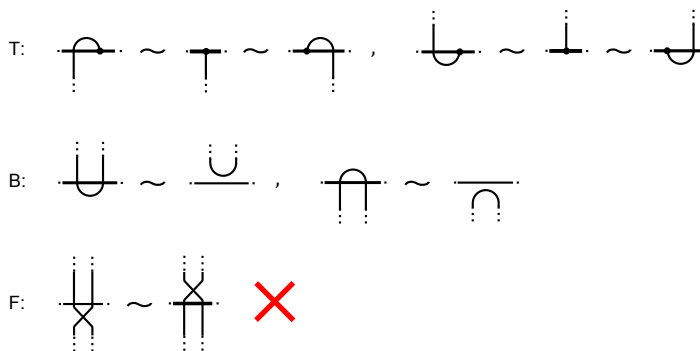
A virtual curve diagram

No crossing arcs above the summit line



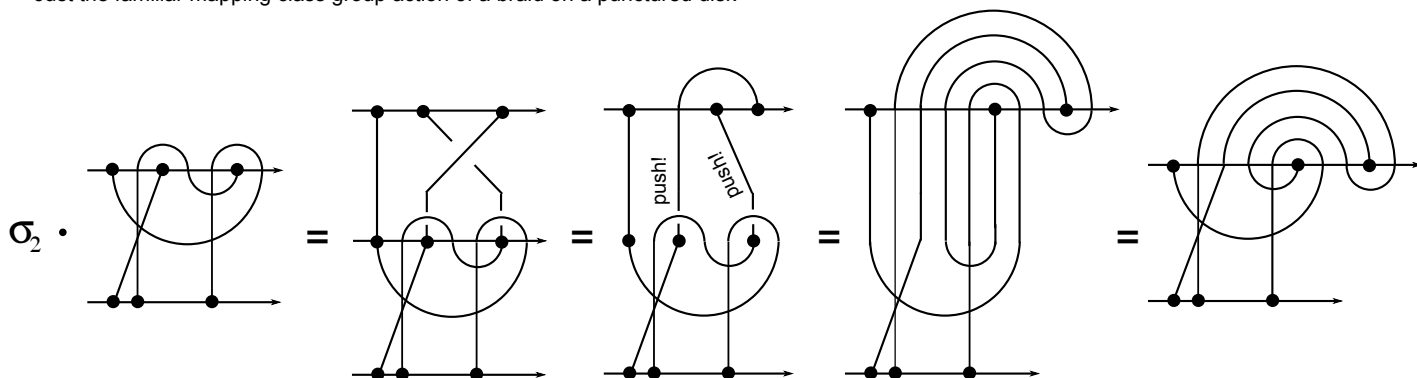
Equivalence of virtual curve diagrams, and a forbidden move

Curves interacting with the summit line

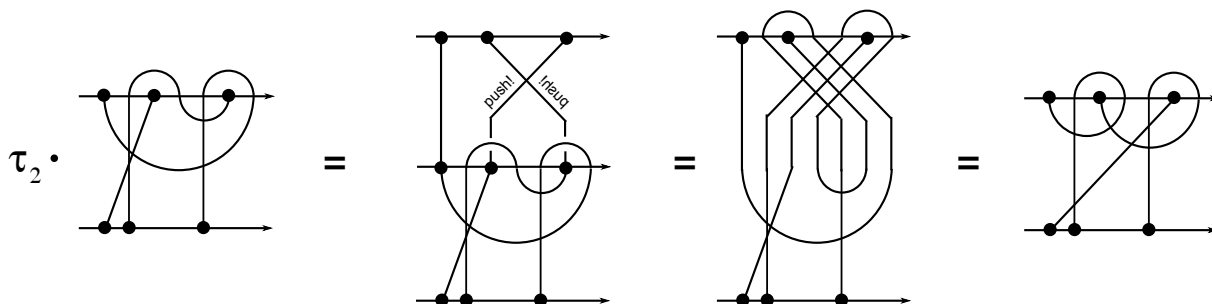


The left action of a braid generator

Just the familiar mapping class group action of a braid on a punctured disk



The left action of a permutation generator



Claim: The left action on the trivial diagram , is faithful.