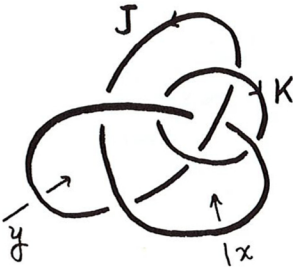
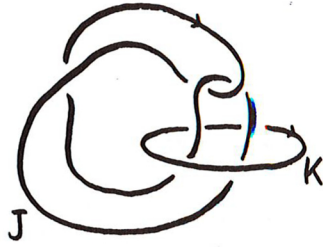
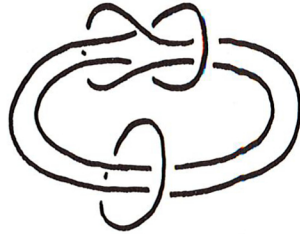


13. EXAMPLE : In the link $J \cup K$ pictured at the right, it is clear that J is homotopically unlinked from K . However, K links J homotopically!



The link is equivalent to the one pictured at the left, and K represents the word xy^{-1} in the Wirtinger presentation of the group of J . But xy^{-1} is not the identity in that group. (Why?)

14. EXERCISE : Verify that the link at the right has one component homotopically linked with the other, but not vice-versa.



15. EXERCISE : Show that in this link of five components, each component is homotopically unlinked from the others. Show, moreover, that it has the Brunnian property. Does this generalize in the obvious way to any number (≥ 3) of components?

