


$\sigma:$ 4 3 1 5 2



The diagram shows a permutation σ on the set {1, 2, 3, 4, 5}. The elements are arranged in a row: 4, 3, 1, 5, 2. There are four arcs drawn above the row: an arc from 4 to 1, an arc from 4 to 2, an arc from 3 to 1, and an arc from 5 to 2.

$\tilde{\sigma}:$ 2 3 5 1 4



The diagram shows a permutation $\tilde{\sigma}$ on the set {1, 2, 3, 4, 5}. The elements are arranged in a row: 2, 3, 5, 1, 4. There are four arcs drawn above the row: an arc from 2 to 1, an arc from 3 to 5, an arc from 5 to 4, and an arc from 1 to 4.