

# An infinite sequence of non conjugate 4-braids representing the same knot of braid index 4

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Before, we showed the following :

For any knot represented as a closed  $n$ -braid ( $n \geq 3$ ), there exists an infinite sequence of pairwise non conjugate  $(n + 1)$ -braids representing the knot.

Using the same technique, we construct such an infinite sequence of pairwise non conjugate 4-braids for some knots of braid index 4. As a consequence, we verify that M. Hirasawa's candidate of such a sequence of braids is actually an infinite sequence.