

EdgeSequence@k gives a list of the strands in the order that they should be calculated from the generators, which are returned as a list as the first element of the result, of the knot  $k$ , which is given in modified DT form.

```
EdgeSequence@k_MDT := EdgeSequence@k =
Block[{s, w = List@@@List@@ToPD@k},
  s = (w //. (Max@# → Min@# & /@w[[;;, {3, 5}]]))T[[
    2 ;; 4]]T;
  Complement@@@
    (Table[{# ∪ i[[;; 2]] ↔ # ∪ i, # ∪ i[[2 ;;]] ↔ # ∪ i} &
      /@Subsets[Complement[Union@@s, i]],
      {i, s}]
    // Flatten
    // Graph
    // FindPath[#,
      Sort[WeaklyConnectedComponents[
        #, {Union@@s}][[1]]][[1]],
      Union@@s] &
    // First
    // {#, {{}} ∪ #[[;; -2]]T &)];
```