PassReducible@*k* gives True if the knot *k*, which is given in modified DT form, is reducible with a 2,1–pass move or a 3,2–pass move, and False otherwise.

```
PassReducible@k_MDT := PassReducible@k =
  Block[{l, n = Length@k, p = List@@Build@k
      // (#ᵀ⋃(Abs@Reverse@#
            Sign/@List@@Build[MDT@@(-List@@k)])ᵀ)ᵀ[[
        2]] &, v = True},
    Do[If[(Sign@p[[Mod[i + j (Range@o - 1), 2 n, 1]]]⋃
        {})² == {1},
      (*There is a (o, o-1)-pass.*)
      If[o == 3, Goto@l];
      Do[If[Total@Mod[e, 2] == 2, If[(Mod[e, 2 n, e[[1]]]
          // Partition[#, 2] &
          // Range@@@# &)[[;; , 2 ;; -2]]
        // Mod[#, 2 n, 1] &
        // Union@@# &
        // # == Abs@p[[#]]⋃{} &, Goto@l]],
       {e, Select[Table[SortBy[
          {c, i}⋃Abs@p[[Mod[{i, i + j}, 2 n, 1]]],
          Mod[#, 2 n, i] &], {c, 2 n}],
        Length@# == 4 &]ᵀ[[
        If[j == 1, {2, 3, 4, 1}, ;;]]ᵀ}]],
     {o, {3, 2}}, {i, 2 n}, {j, {1, -1}}];
    v = False;
    Label@l;
    v];
```