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},
     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];
```