```mathematica
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];
```