ToPD@*k* gives a planar diagram notation
for the knot *k*, which is given in modified DT form.

```
ToPD@k_MDT := ToPD@k =
  Block[
   {a = Abs /@ k, n = Length@k, o, r}, o = Ordering@a;
   Do[If[PlanarGraphQ@Graph[Join @@ Table[
         Array[{v, # - 1} ⟷ {v, #} &, 3] ⋃
          {{v, 0} ⟷ {v, 3}} ⋃
          Join @@ ({{v, #[[1]]} ⟷
                 {#[[2]], #[[1]] + (1 - c[[v]] c[[#[[2]]]]) / 2},
               {v, 3 - #[[1]]} ⟷ {#[[2]], #[[1]] +
                  (1 + c[[v]] c[[#[[2]]]]) / 2}} &
             /@ ({#, o[[Mod[v - # / 2, n, 1]]]} & /@
               {0, 2})),
         {v, n}]],
     (*The crossing
      assignment c is a valid assignment.*)
     r =
      c;
     Break[]], {c, Tuples[{1, -1}, n]}];
   PD @@ (X### & @@@
      Array[{2 # - 1, 2 a[[#]], 2 #, Mod[2 a[[#]] + 1, 2 n, 1]}
           [[If[Sign@k[[#]] == 1, ;; , {2, 3, 4, 1}]]]
          [[If[r[[#]] == 1, ;; , {1, 4, 3, 2}]]] &, n])];
```