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}]], 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])];
```