

```

NormalizePD[K_PD] := K /. i_Integer => Mod[i, 2 Crossings[K]];
FlipCrossing[X[i_, j_, k_, L_]] :=
  If[PositiveQ[X[i, j, k, L]], X[L, i, j, k], X[j, k, L, i]];
FirstEdge[i_, j_] := If[Abs[j - i] == 1, Min[i, j], Max[i, j]];
OrderKnot[K_PD] :=
  Association @@
  Flatten @
  (List @@ K /. X[i_, j_, k_, L_] =>
    {i -> X[i, j, k, L], FirstEdge[j, L] -> X[i, j, k, L]});

```