

```

JonesPolynomial@k_MDT := JonesPolynomial@k =
  ( (-q3/4)Writhe@k Expand[Times @@ ToPD@k /.
    Xa_,b_,c_,d_ :>
      Strand[a, b] Strand[c, d] q-1/4
      + Strand[a, d] Strand[b, c] q1/4 ]
    / Strand[0, 0]
  // Apart
  // {#, # /. q -> q-1} &
  // Sort) [[1]];

```