

```
ValidKnots@0 := {MDT[]} ;
```

```
ValidKnots@n_Integer := ValidKnots@n =
```

```
(Select[Join@@Table[  
    MDT@@(cList@@#) & /@CandidateKnots@n,  
    {c, Tuples[{1, -1}, n][[;; 2n-1]]},  
    ¬ PassReducible@# ∧ Minimal@# == # &]  
// KnotSort) ;
```