```
ValidKnots@0 := {MD[]};
ValidKnots@n Integer := ValidKnots@n =
   (Select Join @@ Table
         MD@@ (cList@@#) & /@CandidateKnots@n,
         \{c, Tuples[\{1, -1\}, n] [;; 2^{n-1}]\}\},
      ¬ PassReducible@# / Minimal@# == # &]
     // KnotSort);
```