ValidKnots@*n* gives the sorted list of all non-trivially
    reducible planar minimal knot diagrams with *n* crossings.

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