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];
```