

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] [[;; 2n-1]]}],  
      ¬ PassReducible@# ∧ Minimal@# == # &]  
    // KnotSort];
```