```
AlternatingKnots@0 := {MD[]};
AlternatingKnots@n Integer :=
  AlternatingKnots@n =
    (First /@ KnotSort /@
         (Join @@ Table [Sort [k \leftrightarrow \#] & /@
                 KnotSort[Flype@{k}]<sup>T</sup>[[2]]],
                {k, CandidateKnots@n}]
             // Graph
           // ConnectedComponents)
      // KnotSort);
```