```
AlternatingKnots@0 := {MD[]};
AlternatingKnots@n_Integer := AlternatingKnots@n = (First /@ KnotSort /@
      (Join @@ Table[Sort[k ⟷ #] & /@ KnotSort[Flype@{k}ᵀ〚2〛], {k, CandidateKnots@n}] //
        Graph // ConnectedComponents) // KnotSort);
```