```
CandidateKnots@0 := {MD[]};
CandidateKnots@n_Integer :=
  CandidateKnots@n =
   Block[{k, l, p, y = {}},
    For[p = 0, p < n!, p++, k = {};
     Do[Complement[Range@n, k]
        [[⌊Mod[p, (n - i + 1)!] / (n - i)!⌋ + 1]]
       // AppendTo[k, #] &;
      If[2 k[[1]] - 1 > (Abs[2 i - 1 - 2 k[[i]]]
          // Min[#, 2 n - #] &),
       (*The sequence
        so far will not be minimal.*)
       p += (n - i)! - 1; Goto@l];
      If[k[[-1]] ≤ i, Do[k[[j ;;]] ⋃ {}
         // If[# == Range[j, i] ⋁ # == Range[j, i] - 1,
           (*The sequence so
            far will not be prime.*)
           p += (n - i)! - 1; Goto@l] &,
         {j, If[i == n ⋀ n > 1, 2, 1], i}]],
      {i, n}];
     MD @@ k //
      If[PlanarGraphQ@KnotGraph@# ⋀
        # === Minimal@#, AppendTo[y, #]] &;
     Label@l];
    y];
```