

```

CandidateKnots@0 := {MDT[]};
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@1];
    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@1] &,
      {j, If[i == n ∧ n > 1, 2, 1], i}]],
    {i, n}];
  MDT @@ k //
    If[PlanarGraphQ@KnotGraph@# ∧
      # == Minimal@#, AppendTo[y, #]] &;
  Label@1];
y];

```