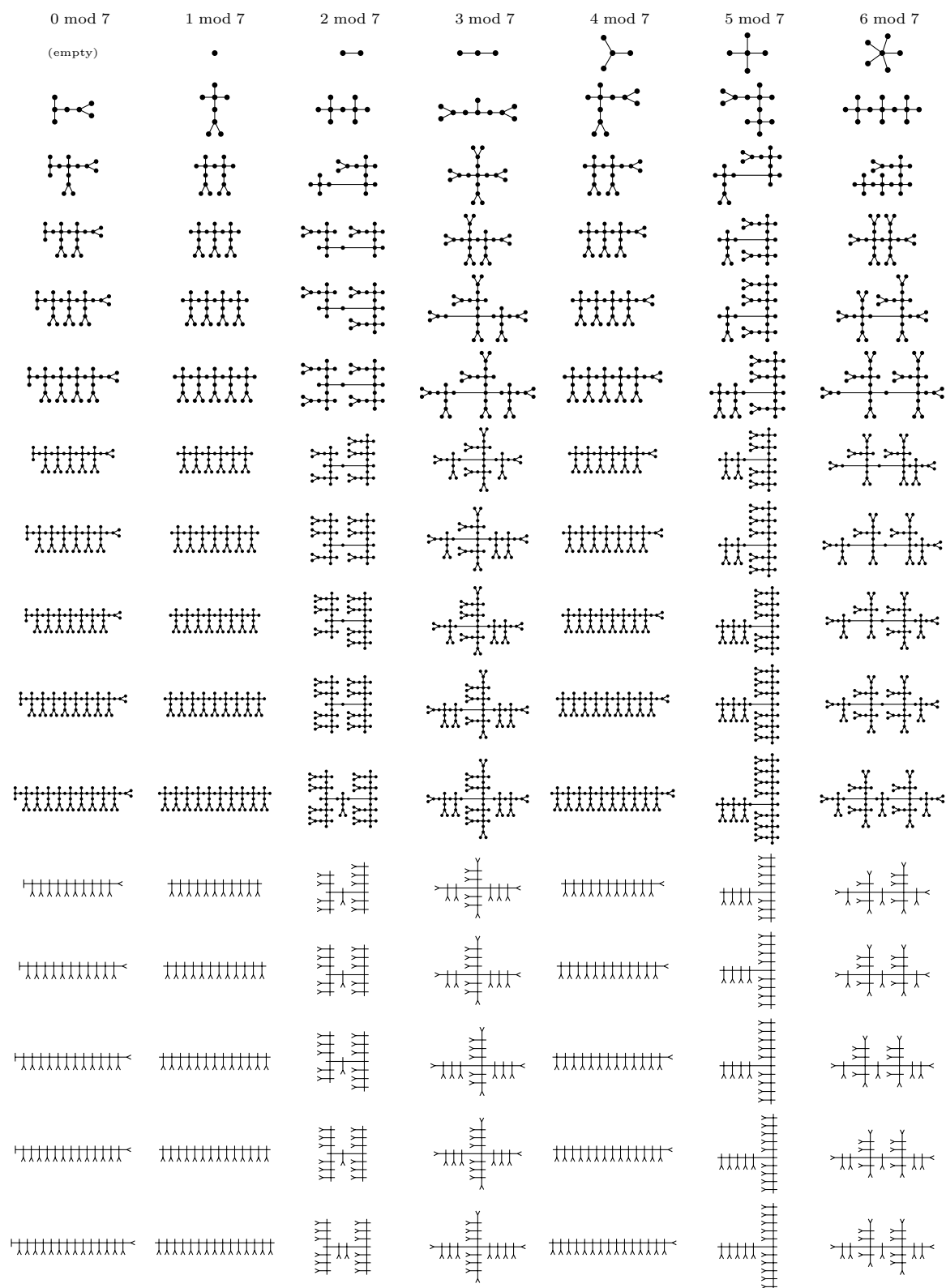
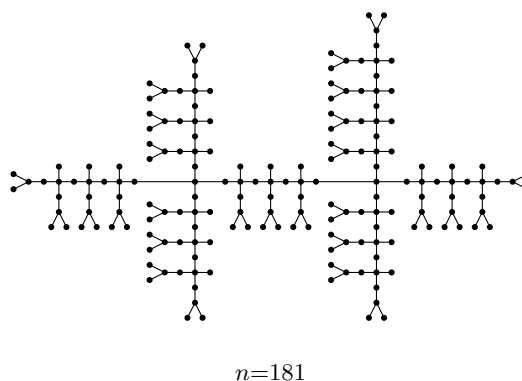
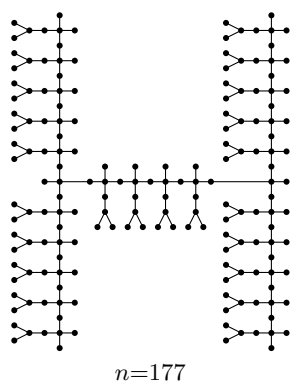


# Most Maximum Matchings Tree Samples



Columns 2 and 6 take a while for their patterns to show. Here are bigger examples of each to illustrate.  $n=181$  is Heuberger and Wagner's sample size and is drawn in their style.



These pictures were made using a secret undocumented coordinates feature in my `Graph::Maker::MostMaximumMatchingsTree`.

<http://user42.tuxfamily.org/graph-maker-other/index.html>

Some completely non-visual tree building can be found in my Pari/GP vpar `examples/most-maximum-matchings.gp`. It includes recurrences and generating functions for the number of maximum matchings.

<http://user42.tuxfamily.org/pari-vpar/index.html>

And all this is following: Clemens Heuberger and Stephan Wagner, “The Number of Maximum Matchings in a Tree”, Discrete Mathematics, volume 311, issue 21, November 2011, pages 2512-2542.

<http://arxiv.org/abs/1011.6554>

<https://www.math.tugraz.at/~cheub/publications/max-card-matching/>