

Math 280: Graph Theory  
Instructor: David Zureick-Brown (“DZB”)  
GODY’s! (Graph Of The Day)

Last updated: October 28, 2024

Part 1 of the GODY’s is here: <https://dmzb.github.io/teaching/2024Fall280/gody-F24-280.pdf>

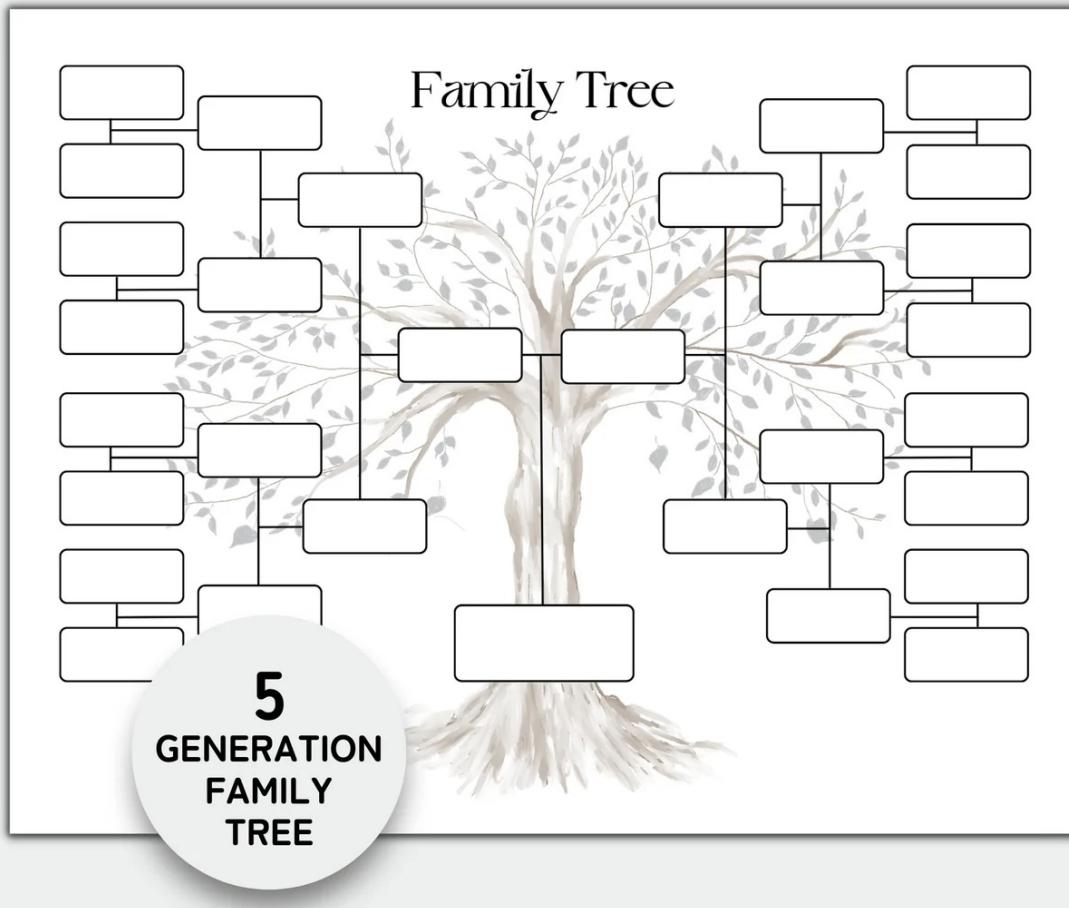
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## 8 Family tree. Math Genealogy. Decision tree. Brackets.

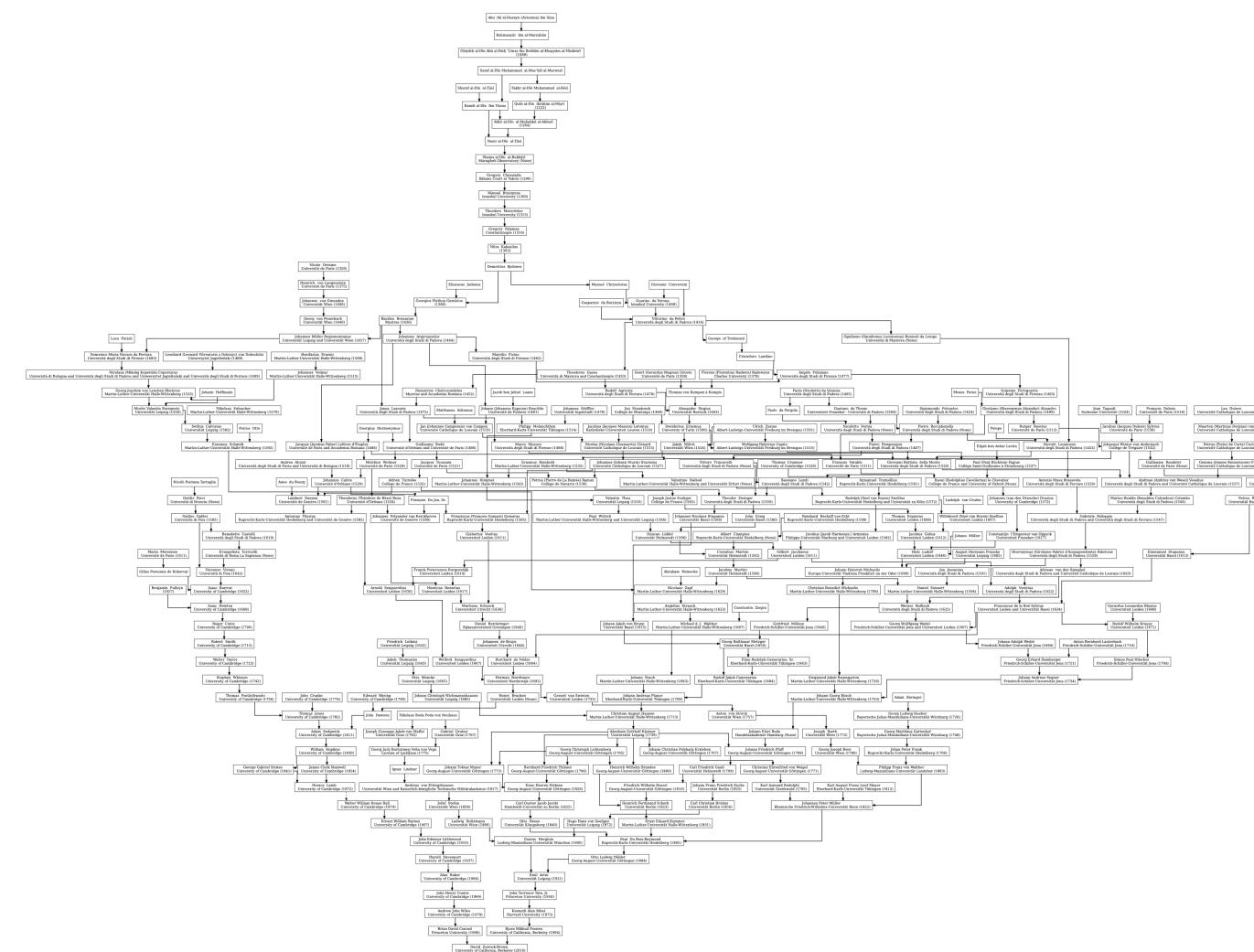
# FAMILY TREE TEMPLATE

## US LETTER AND A4 | FILLABLE PDF

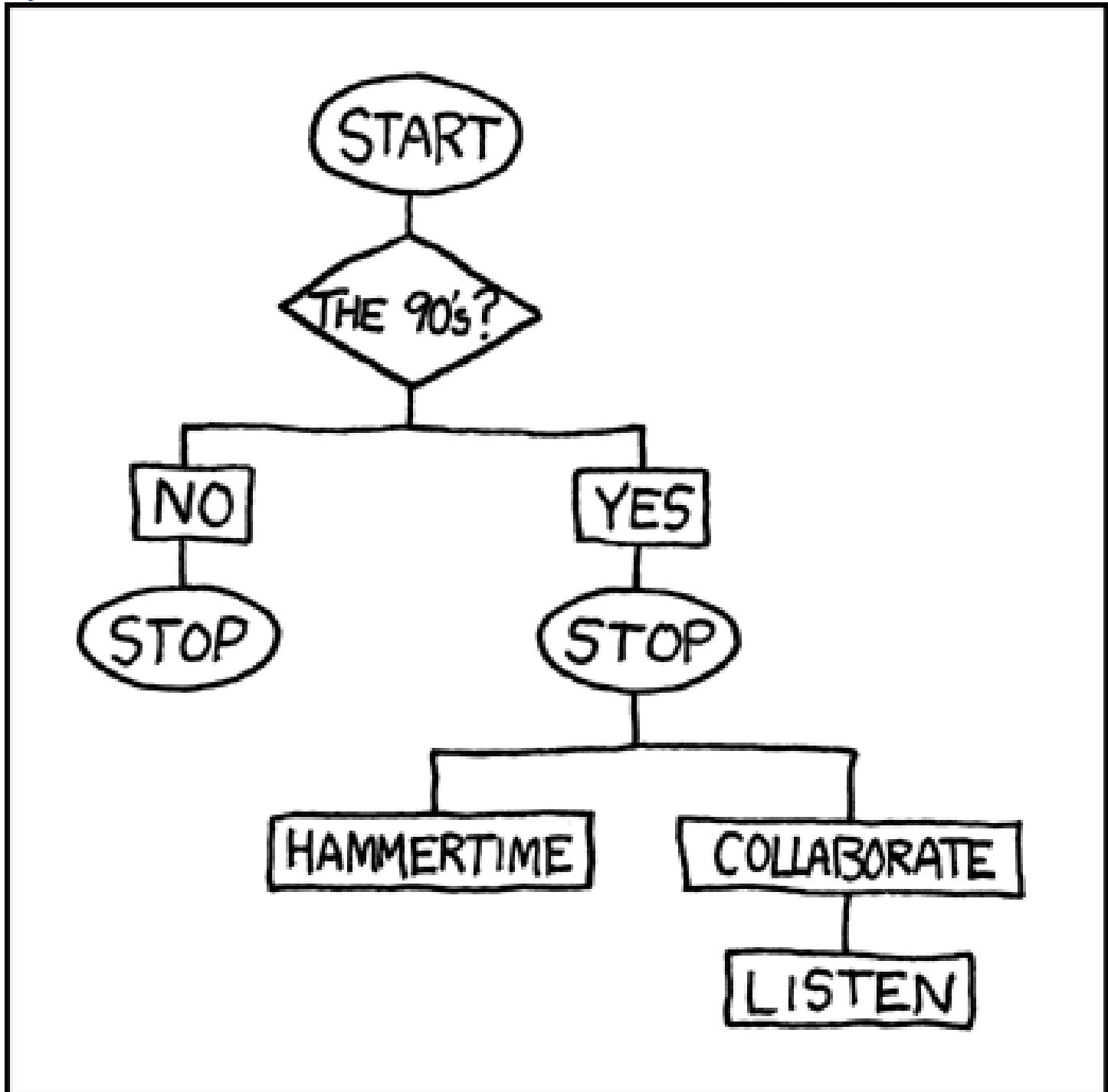


<https://davidlowryduda.com/>

<https://www.mathgenealogy.org/id.php?id=154566>

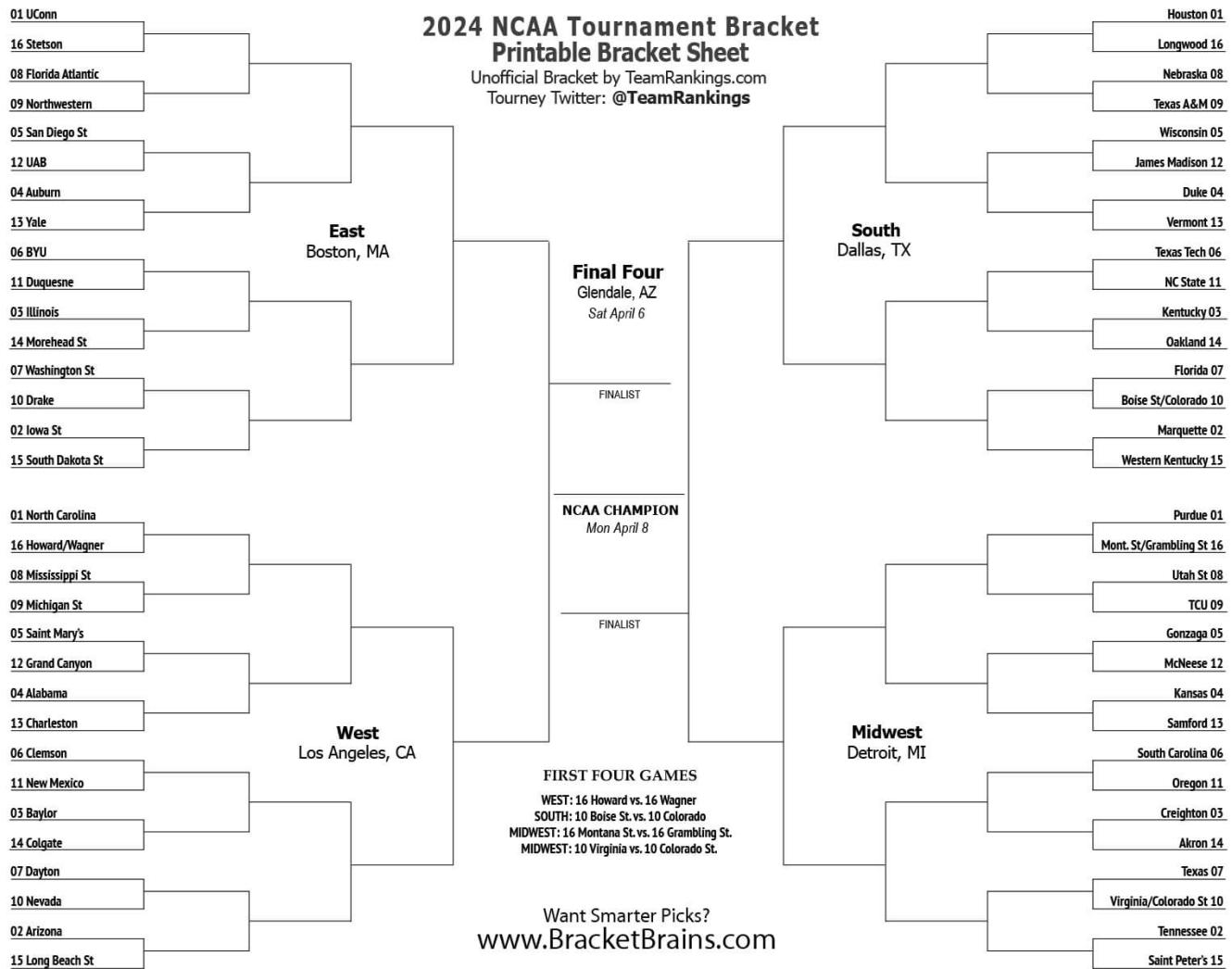


<https://xkcd.com/210/>

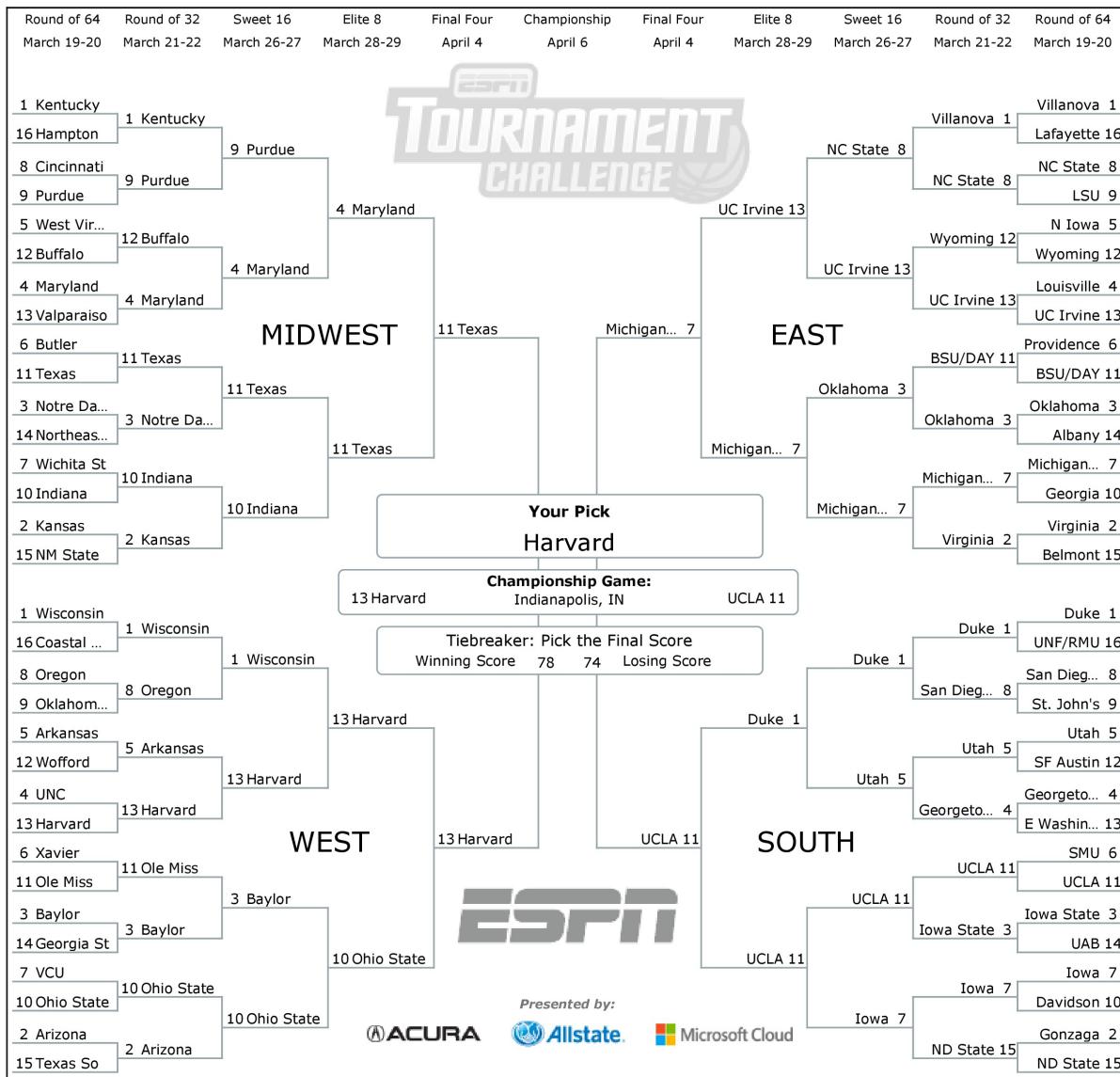


[https://www.reddit.com/r/gaming/comments/5k70tt/which\\_game\\_should\\_i\\_play/](https://www.reddit.com/r/gaming/comments/5k70tt/which_game_should_i_play/)





<https://quomodocumque.wordpress.com/tag/math-bracket/>

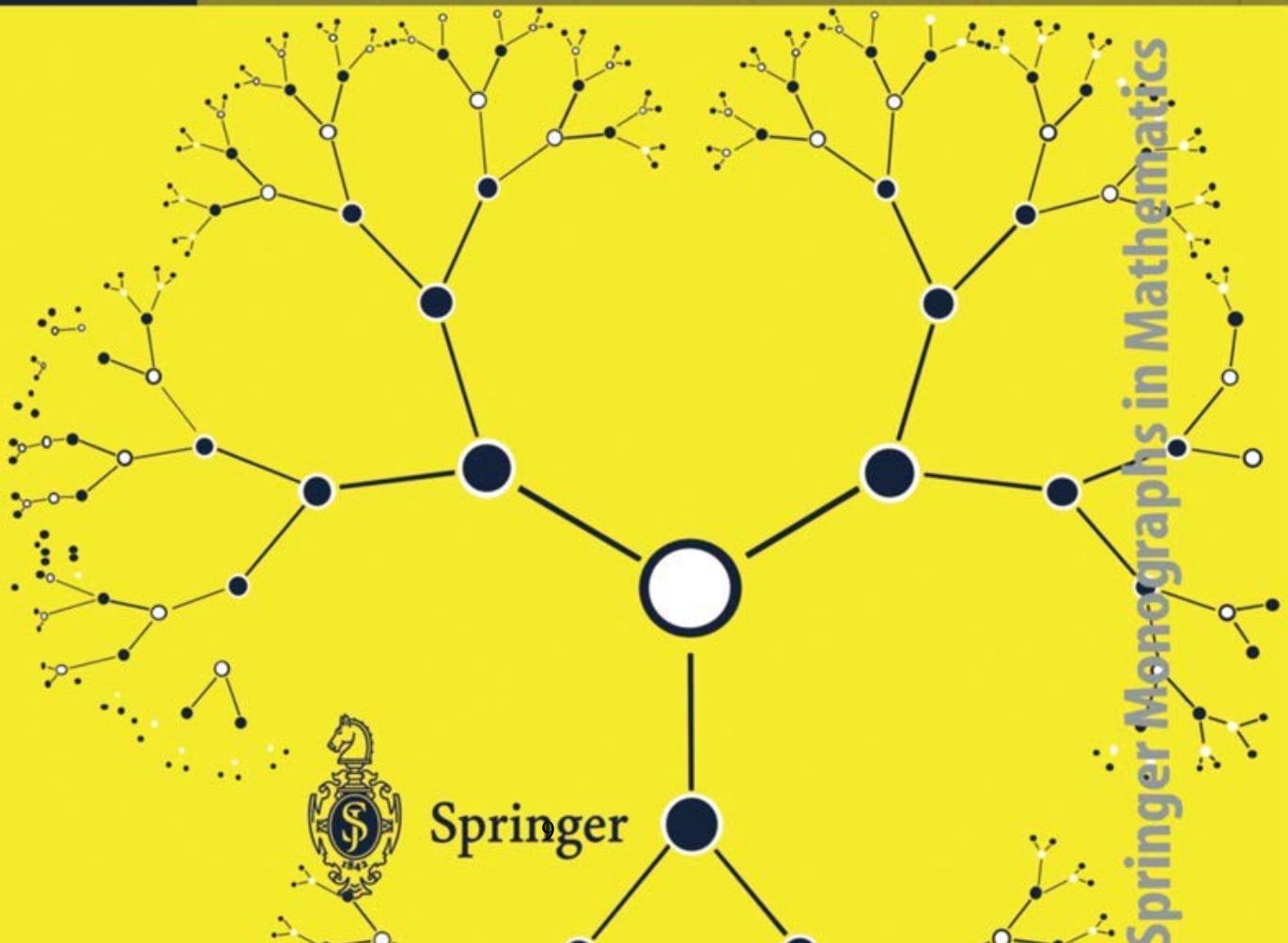


[https://en.wikipedia.org/wiki/List\\_of\\_individual\\_trees](https://en.wikipedia.org/wiki/List_of_individual_trees) [https://en.wikipedia.org/wiki/General\\_Sherman\\_\(tree\)](https://en.wikipedia.org/wiki/General_Sherman_(tree))



JEAN-PIERRE SERRE

# Trees





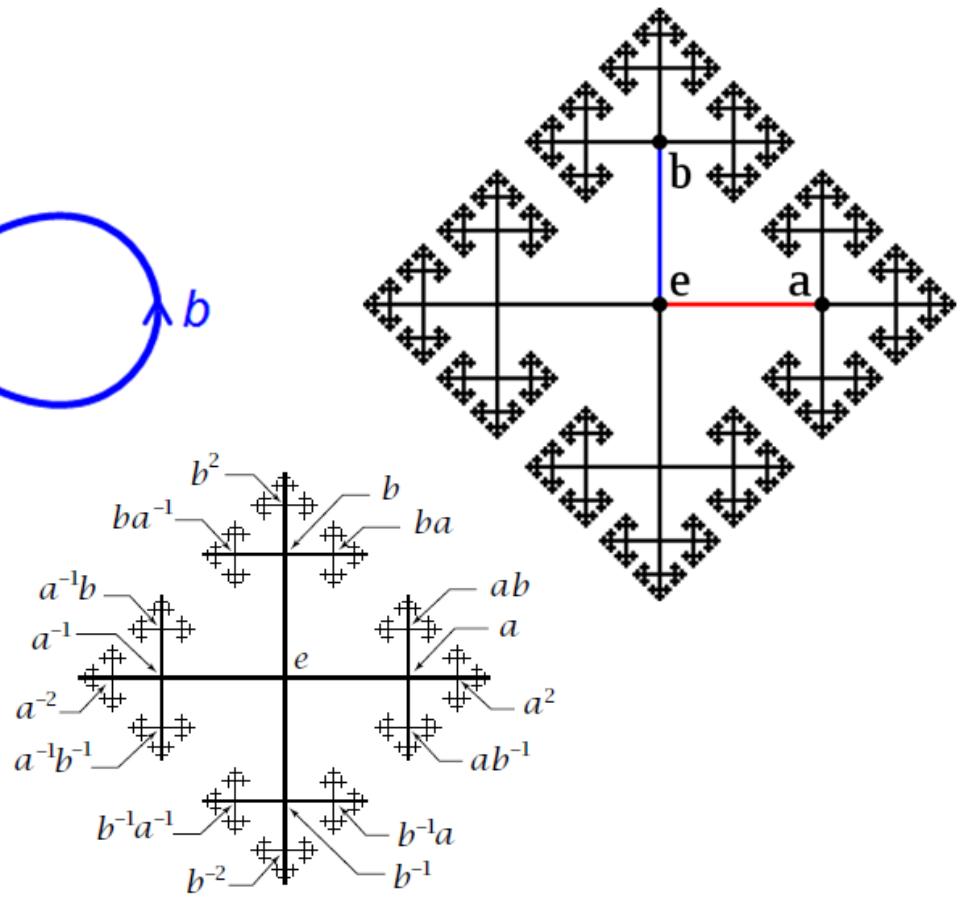
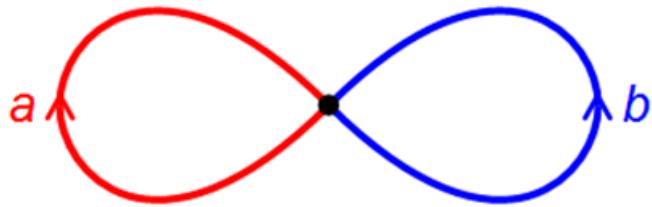
## 9 Every noise at once

<https://everynoise.com/>



## 10 Fundamental group

<https://math.stackexchange.com/a/3762676/11236>

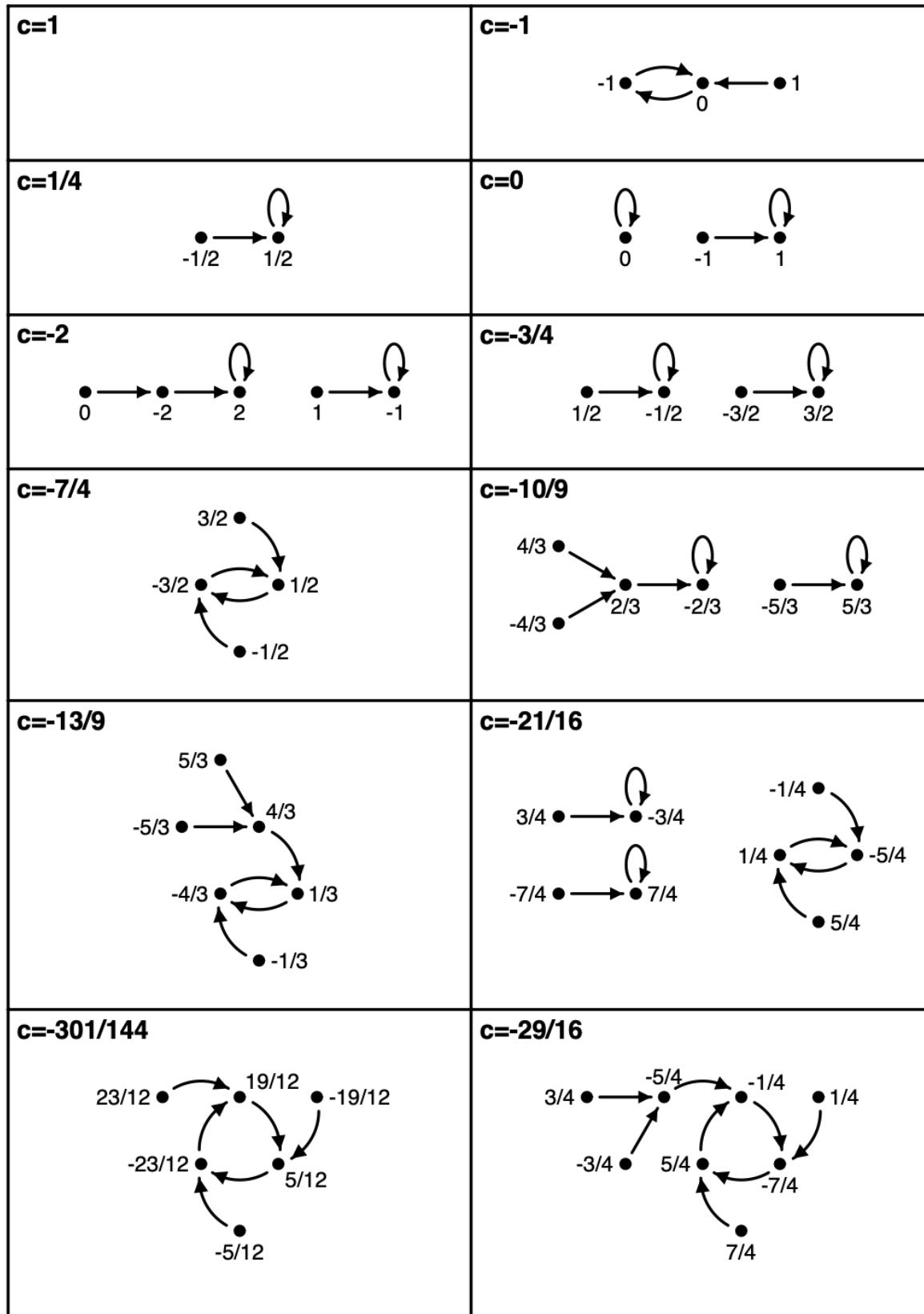


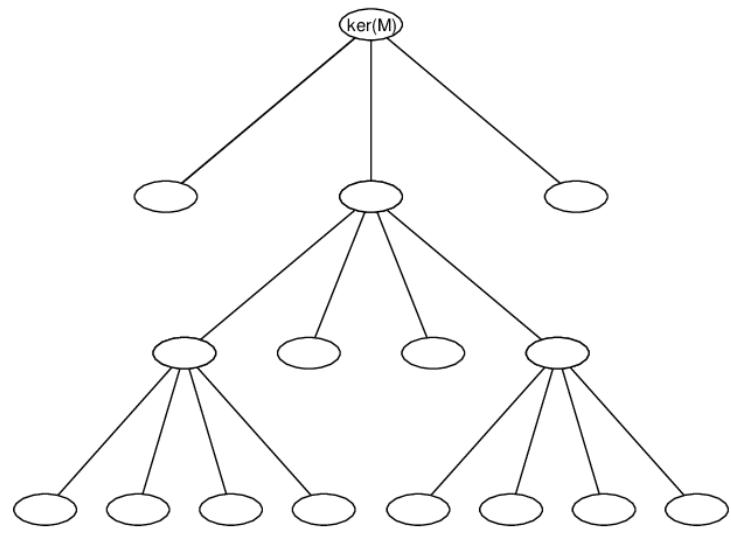
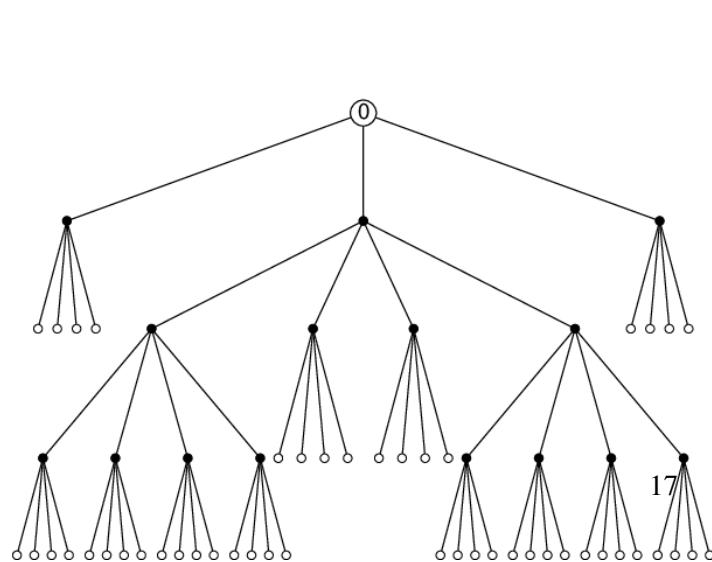
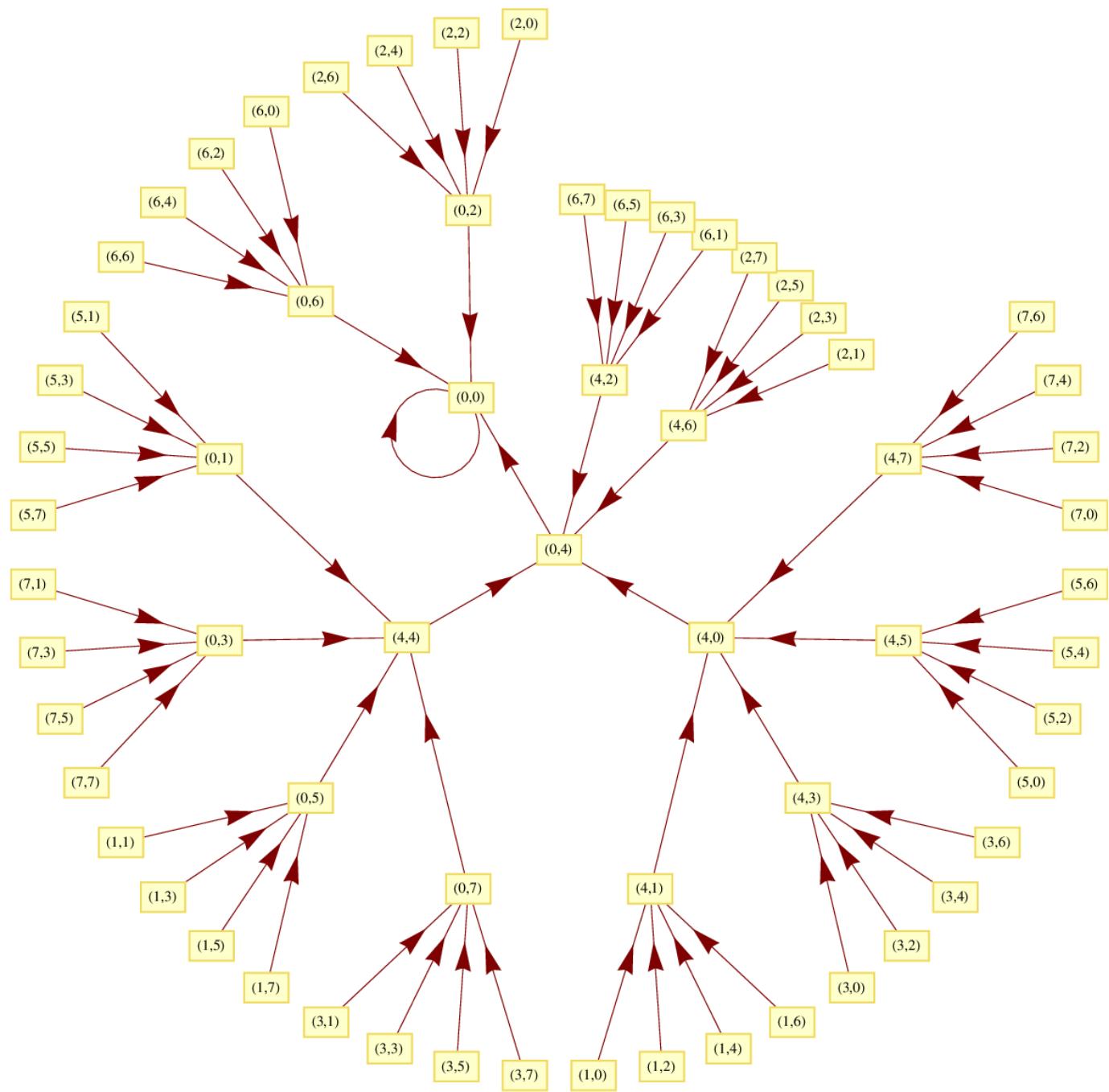


## 11 Dynamical systems

[https://en.wikipedia.org/wiki/Mandelbrot\\_set](https://en.wikipedia.org/wiki/Mandelbrot_set)

<https://math.mit.edu/~poonen/slides/uniformboundedness.pdf>

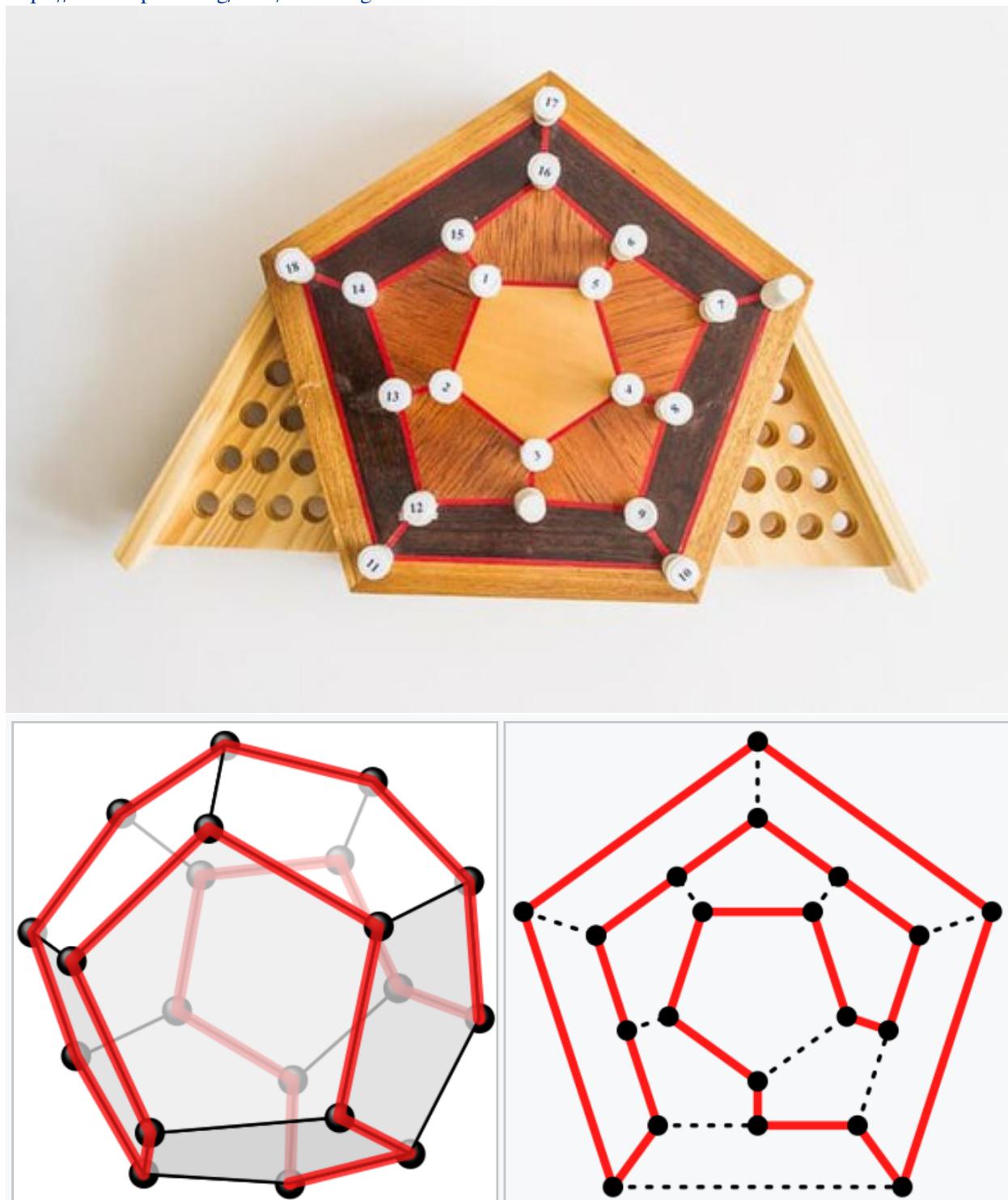
Figure 1. Finite Rational Preperiodic Points of  $z^2+c$ .





## 12 The icosian game

[https://en.wikipedia.org/wiki/Icosian\\_game](https://en.wikipedia.org/wiki/Icosian_game)

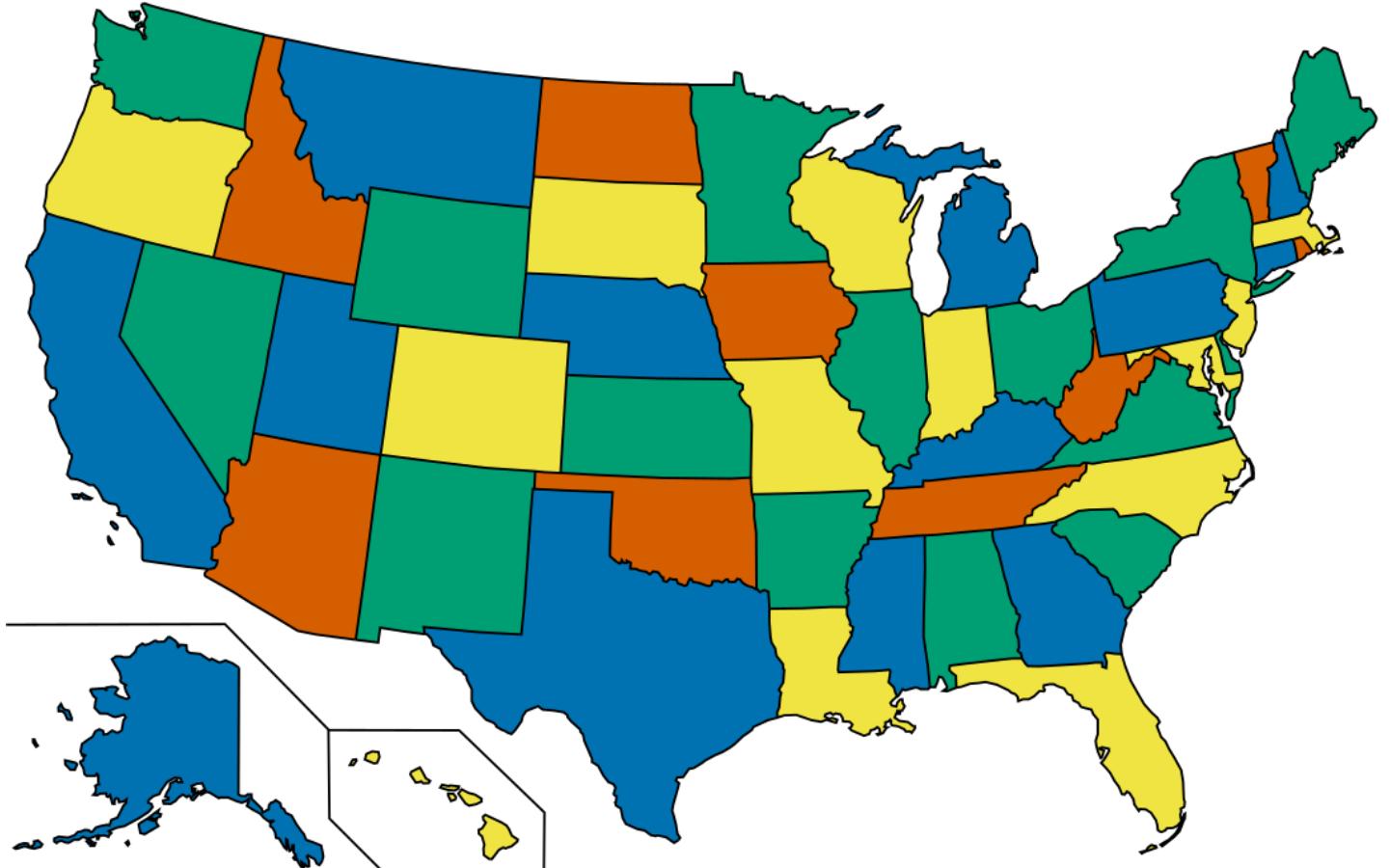


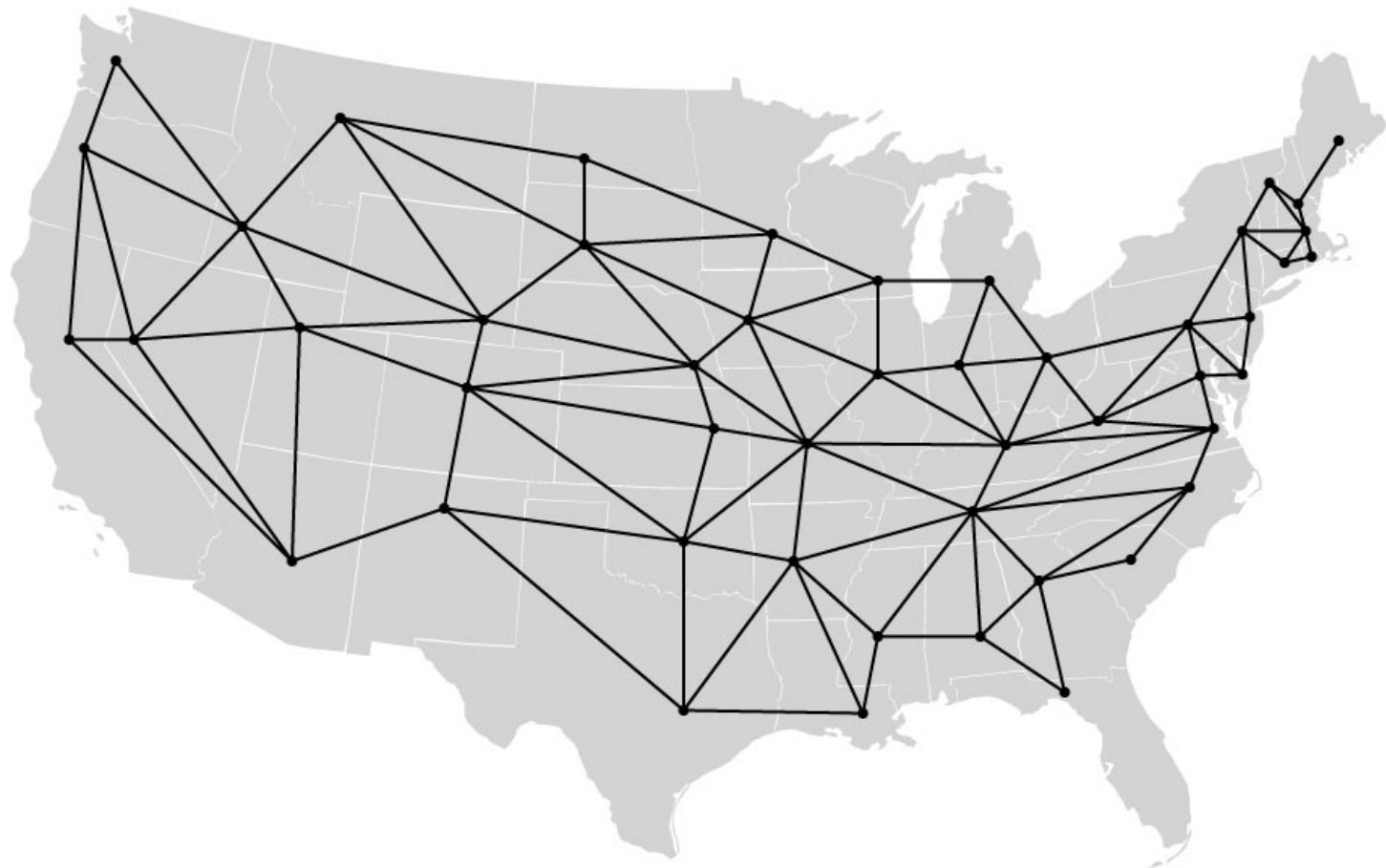




### 13 United states map (planarity and coloring problems)

<https://www.jasondavies.com/planarity/>





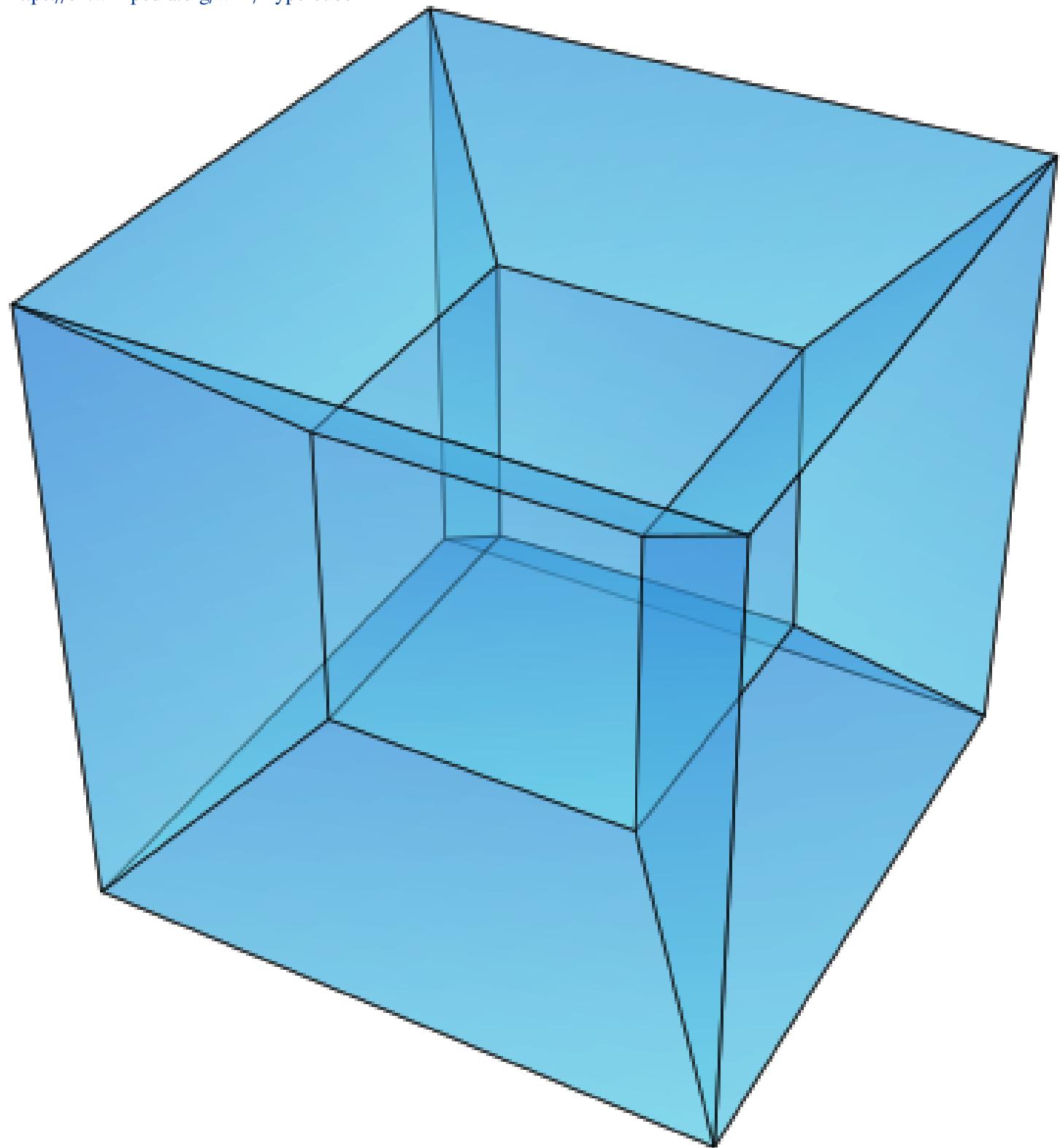


## 14 Hypercubes

[https://en.wikipedia.org/wiki/One\\_\(Tesseract\\_album\)](https://en.wikipedia.org/wiki/One_(Tesseract_album))

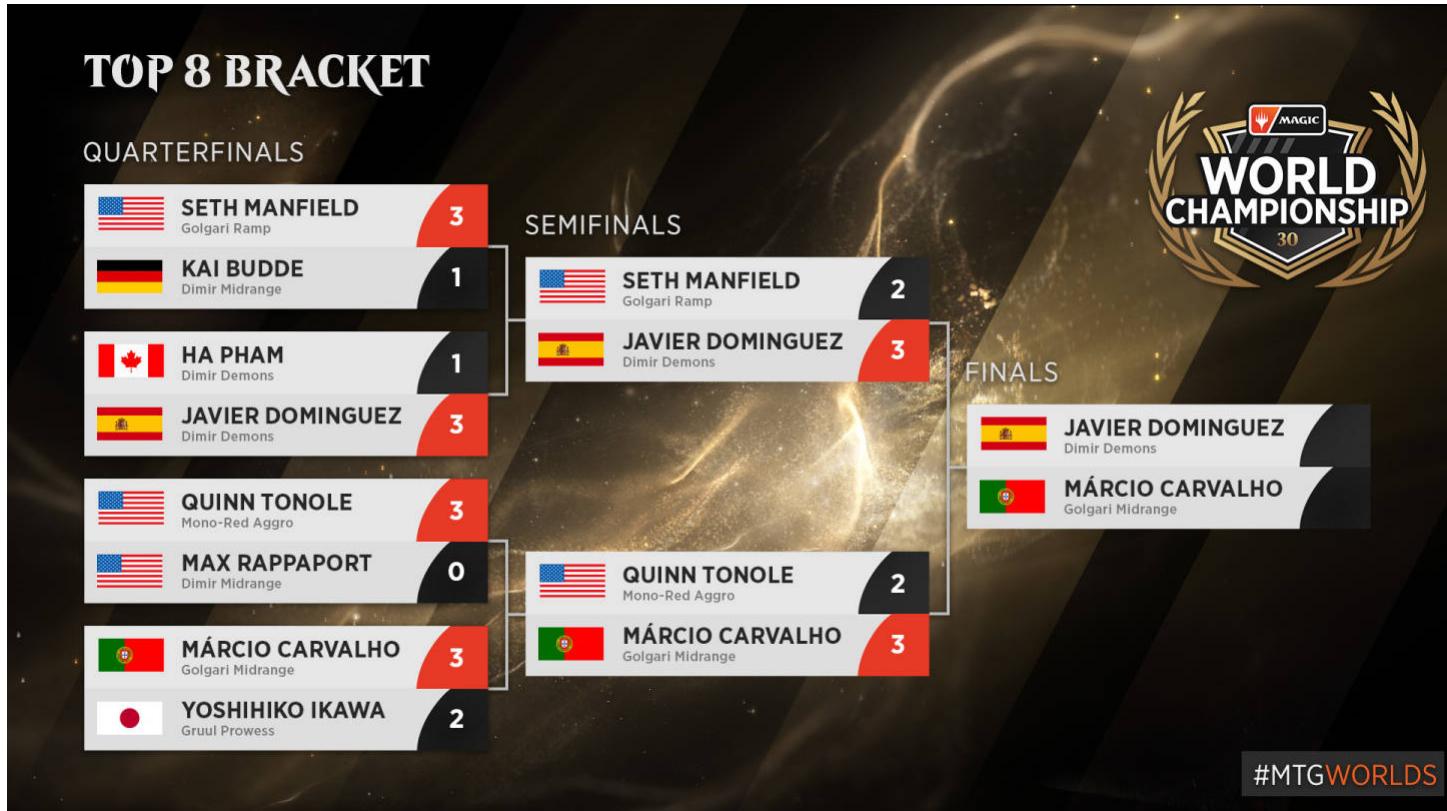


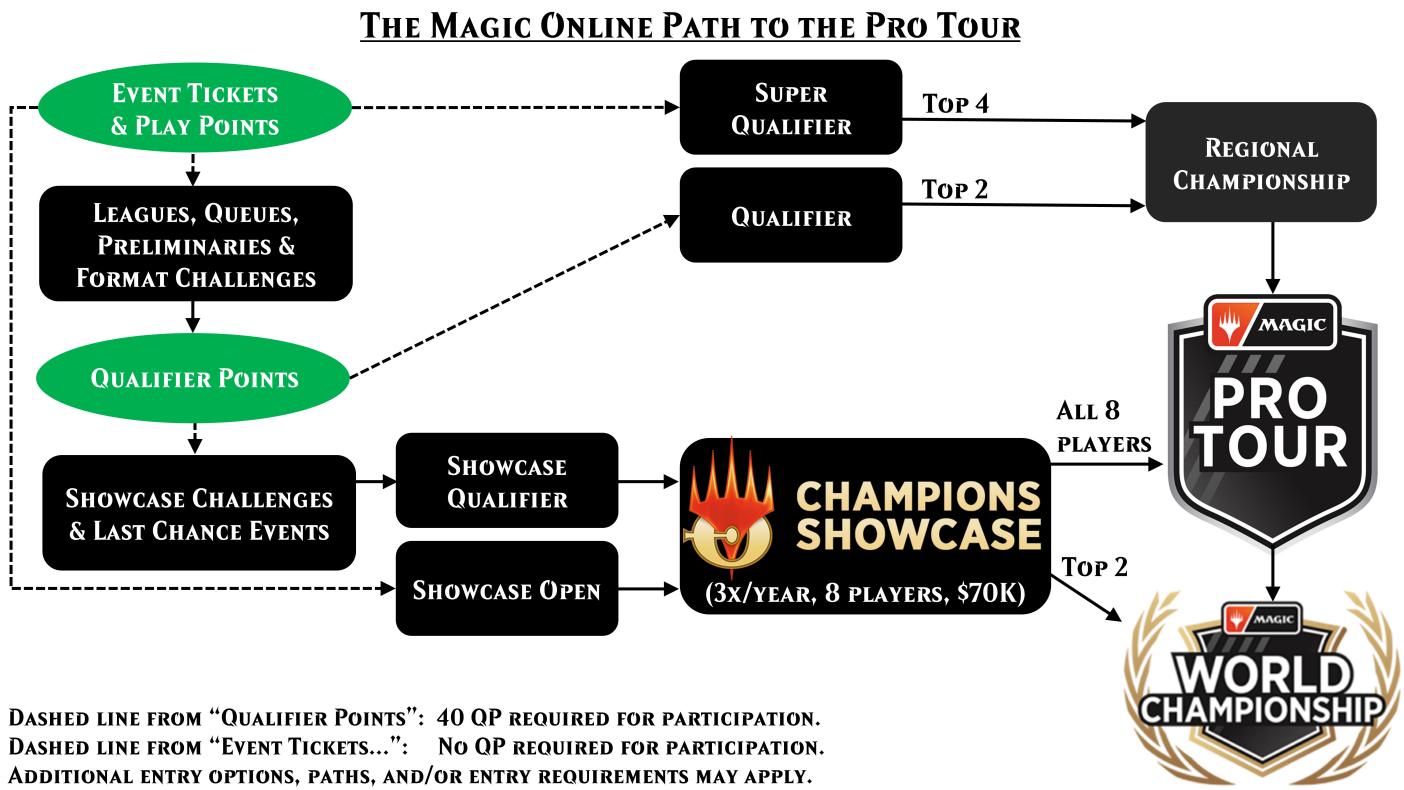
<https://en.wikipedia.org/wiki/Hypercube>

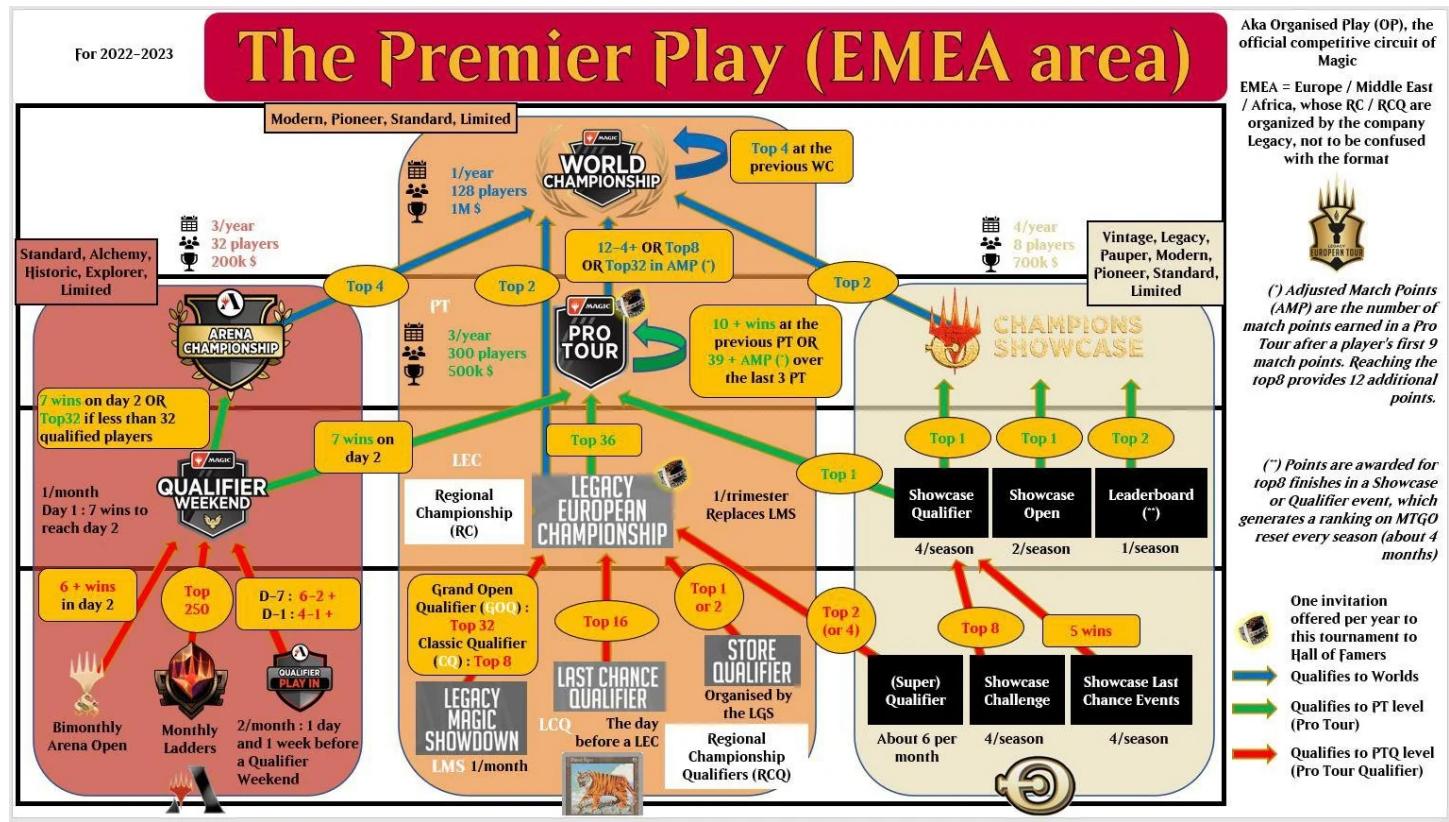




## 15 MTG world championship



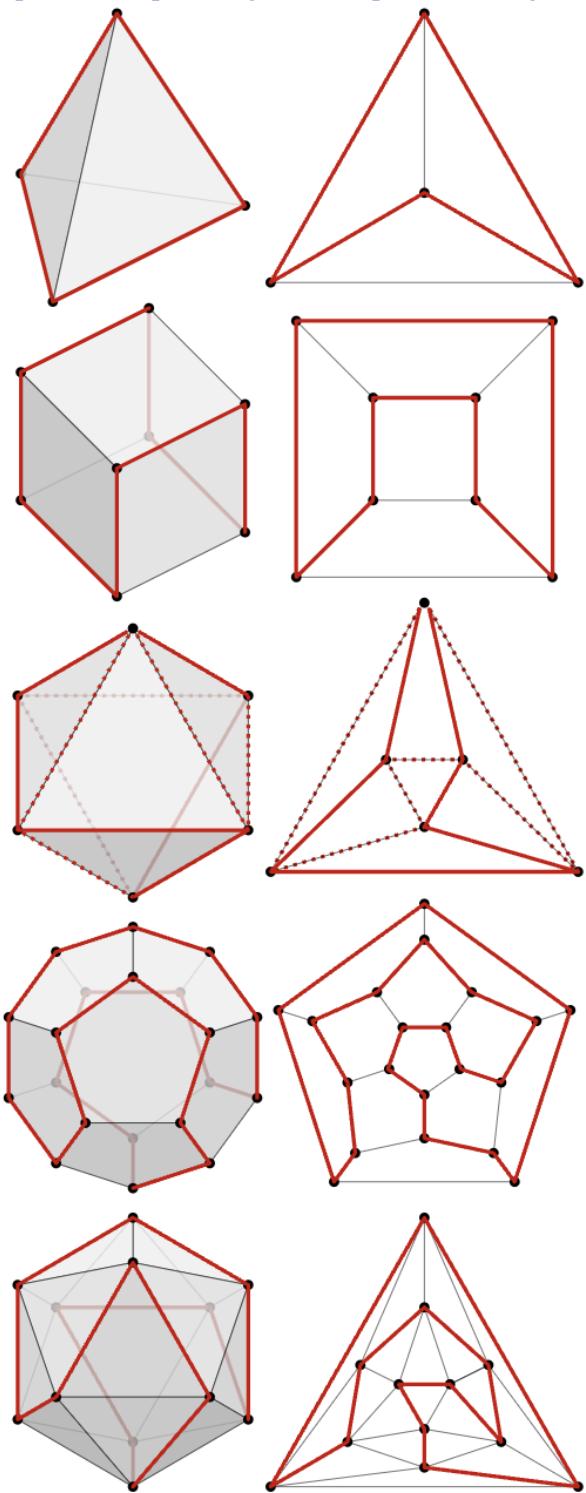


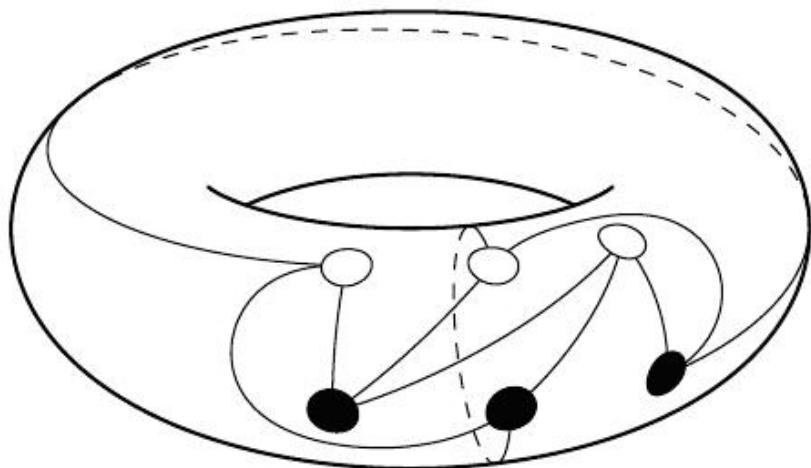




## 16 Embedding graphs of surfaces

[https://en.wikipedia.org/wiki/Graph\\_embedding](https://en.wikipedia.org/wiki/Graph_embedding)





[https://en.wikipedia.org/wiki/Heawood\\_graph](https://en.wikipedia.org/wiki/Heawood_graph)

