

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

Last updated: October 27, 2024

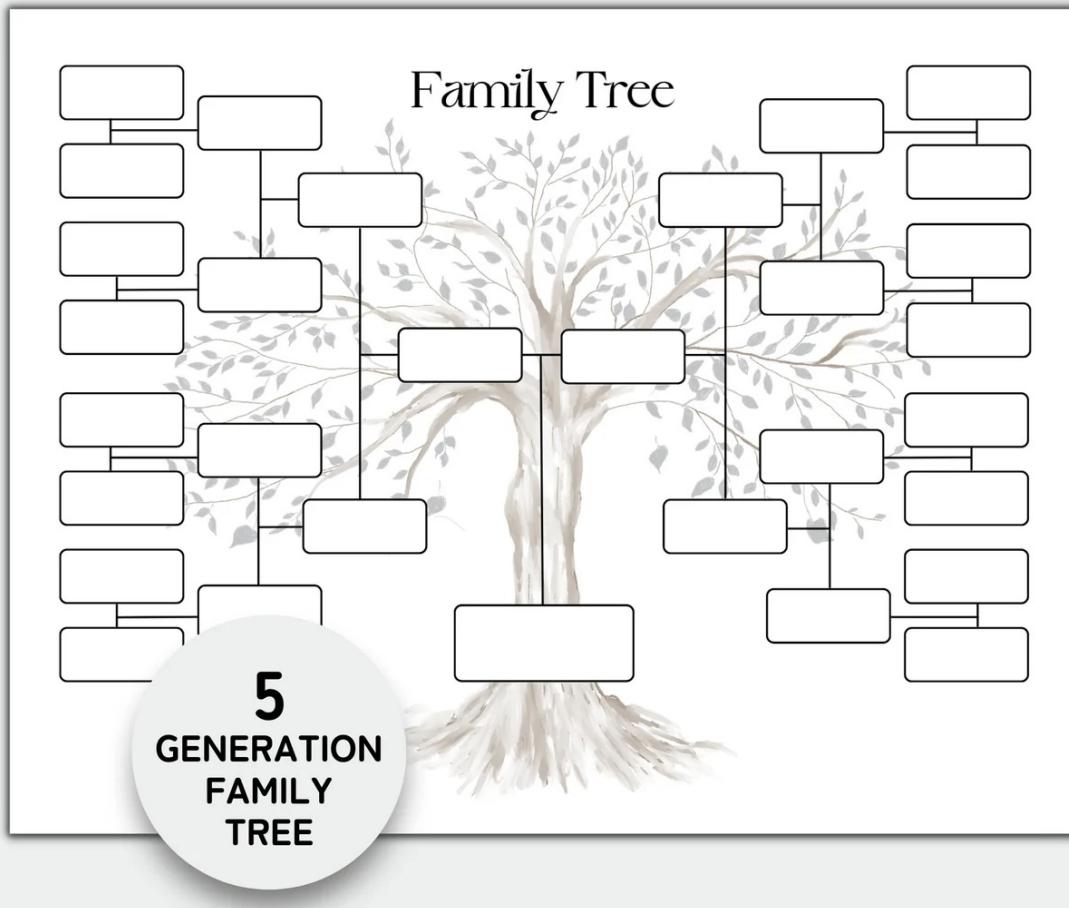
Part 1 of the GODY’s is here: <https://dmzb.github.io/teaching/2024Fall280/gody-F24-280.pdf>

## **Contents**

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

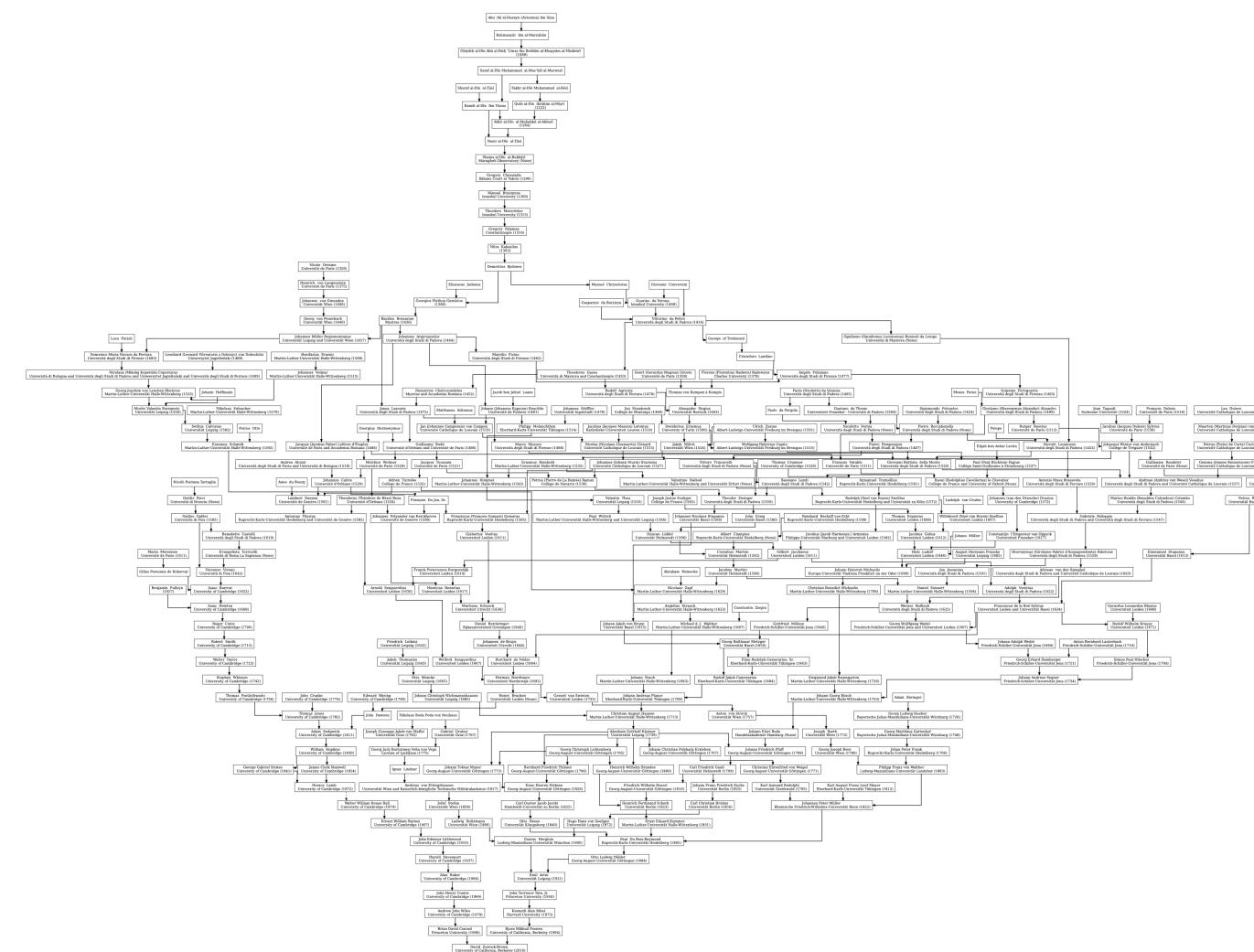
# FAMILY TREE TEMPLATE

## US LETTER AND A4 | FILLABLE PDF

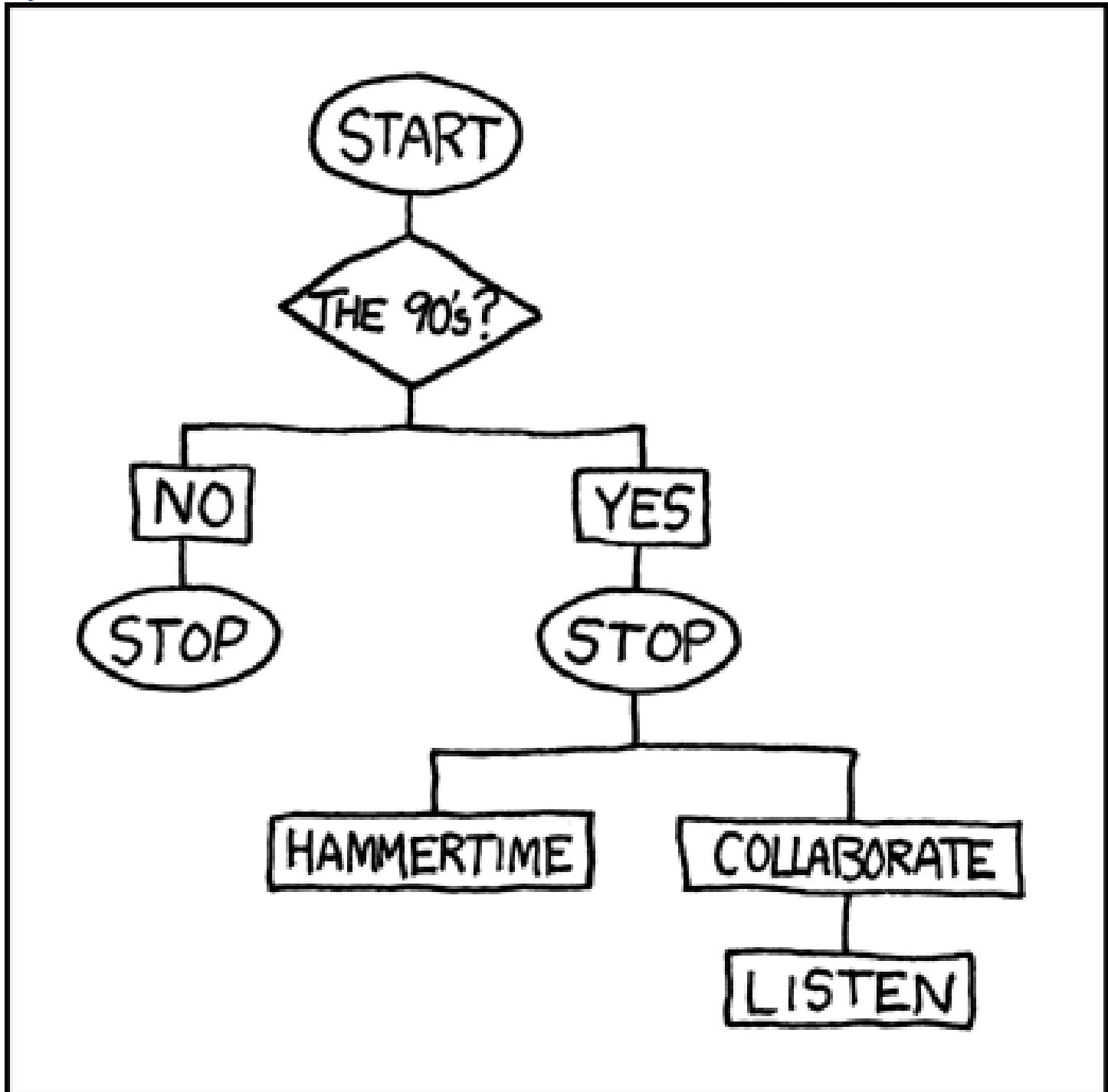


<https://davidlowryduda.com/>

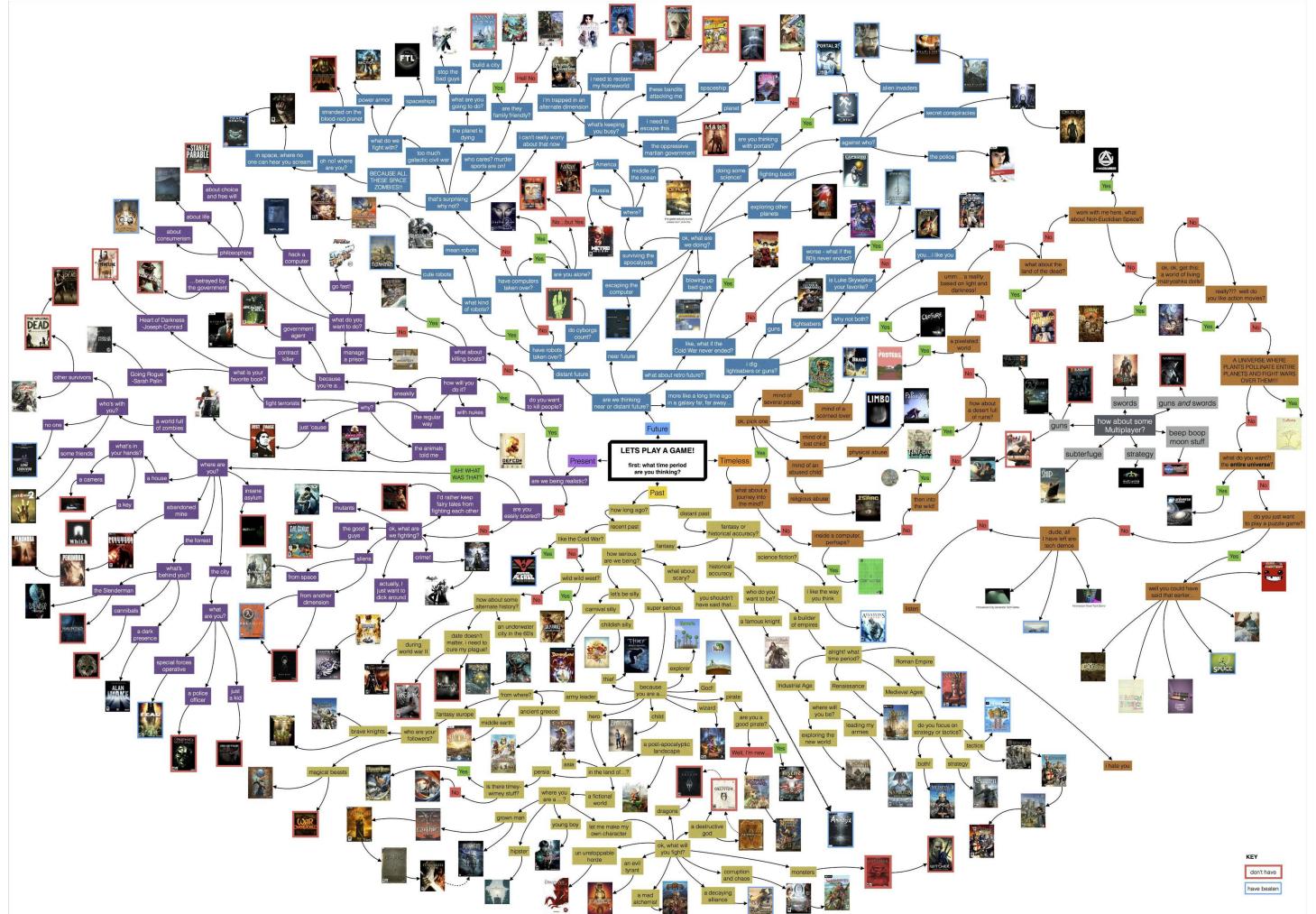
<https://www.mathgenealogy.org/id.php?id=154566>

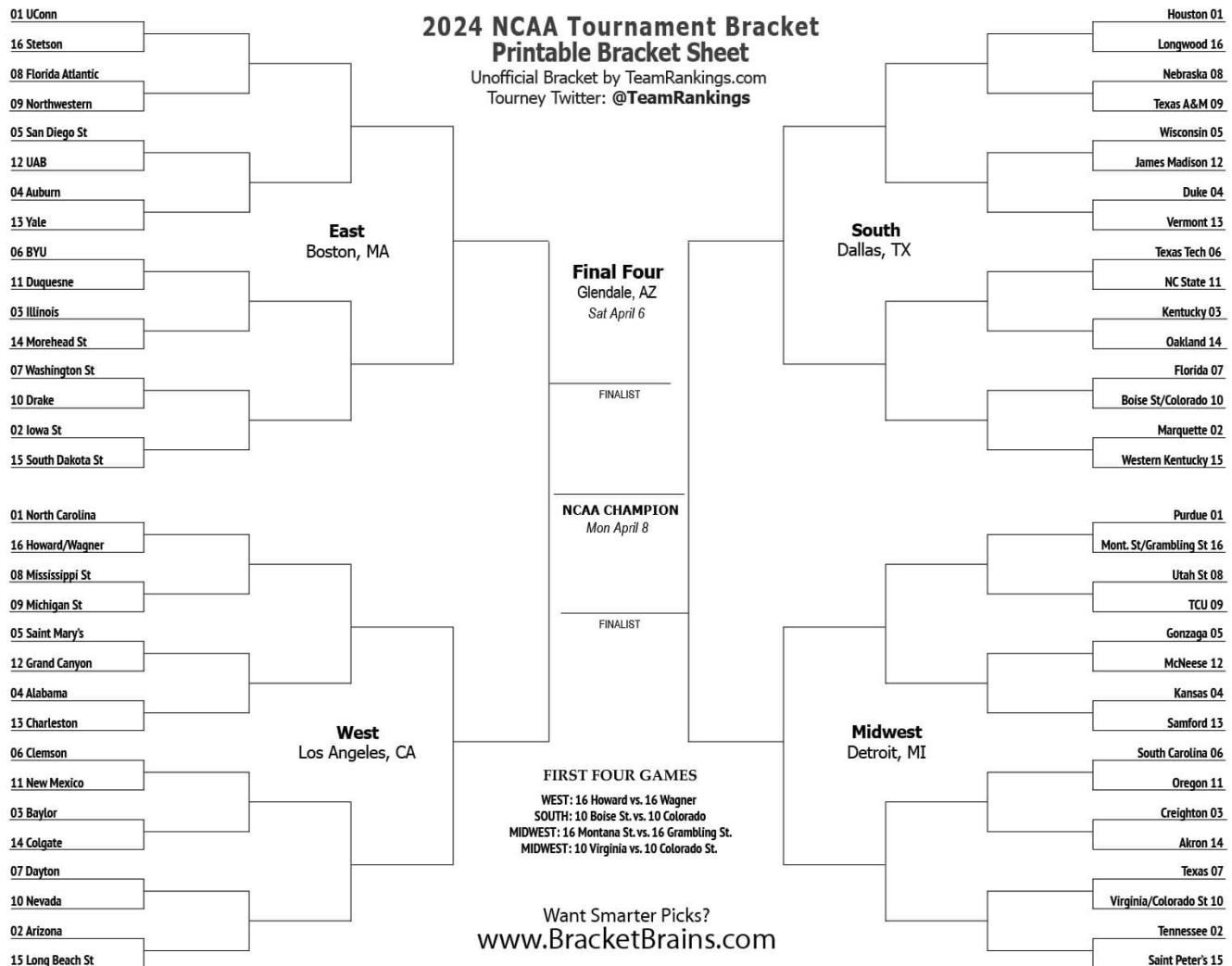


<https://xkcd.com/210/>

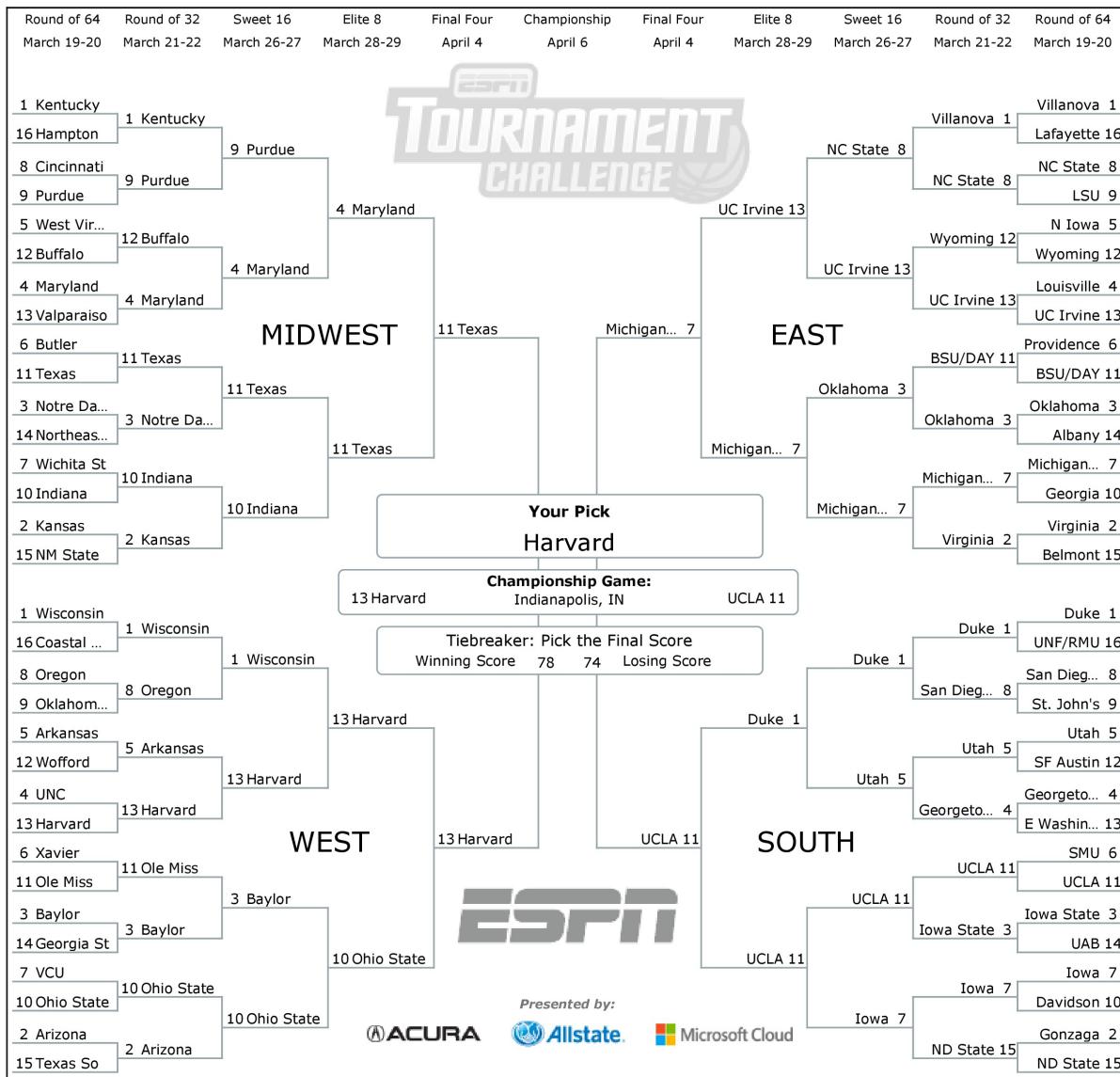


[https://www.reddit.com/r/gaming/comments/5k70tt/which\\_game\\_should\\_i\\_play/](https://www.reddit.com/r/gaming/comments/5k70tt/which_game_should_i_play/)





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

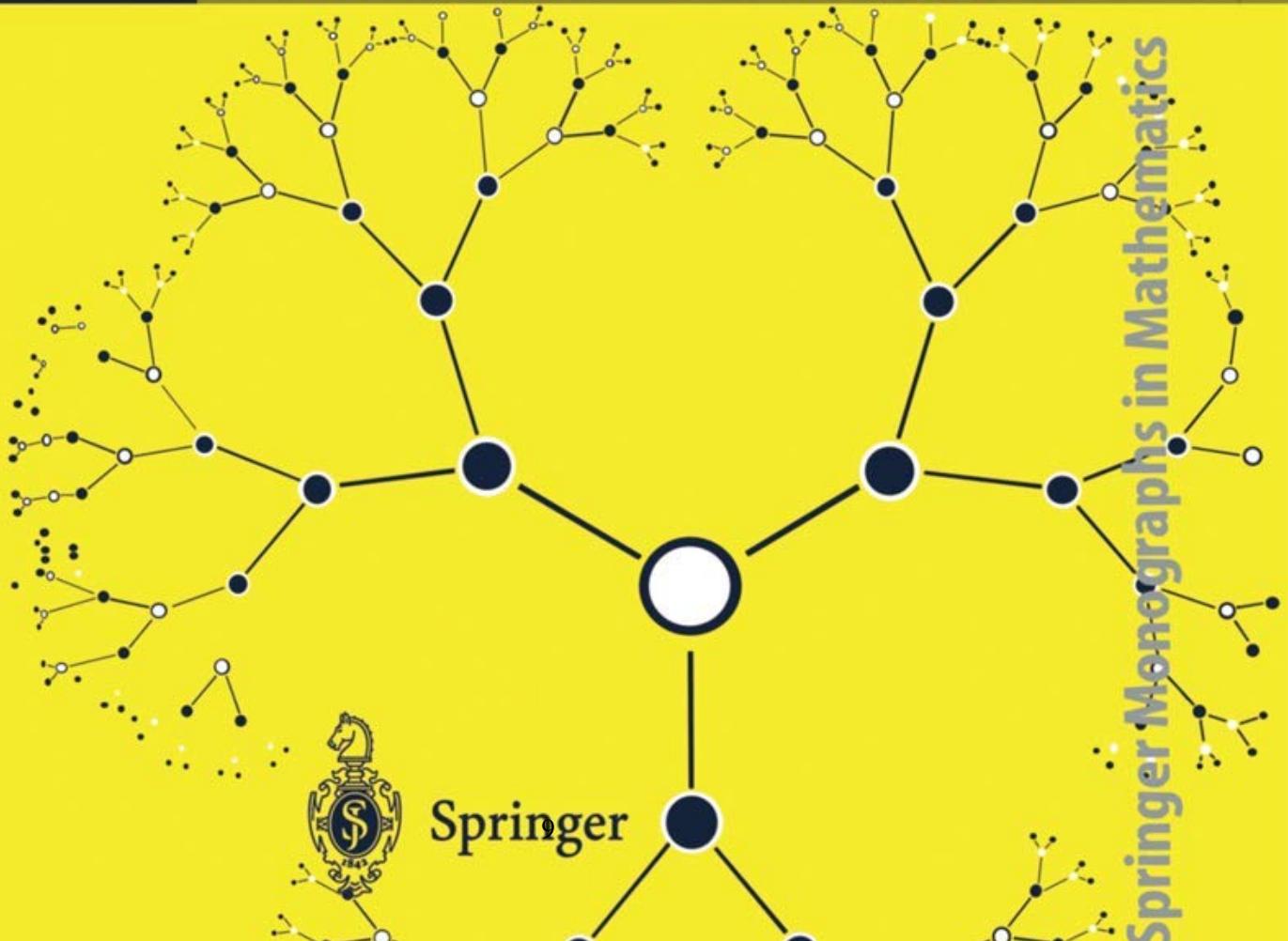


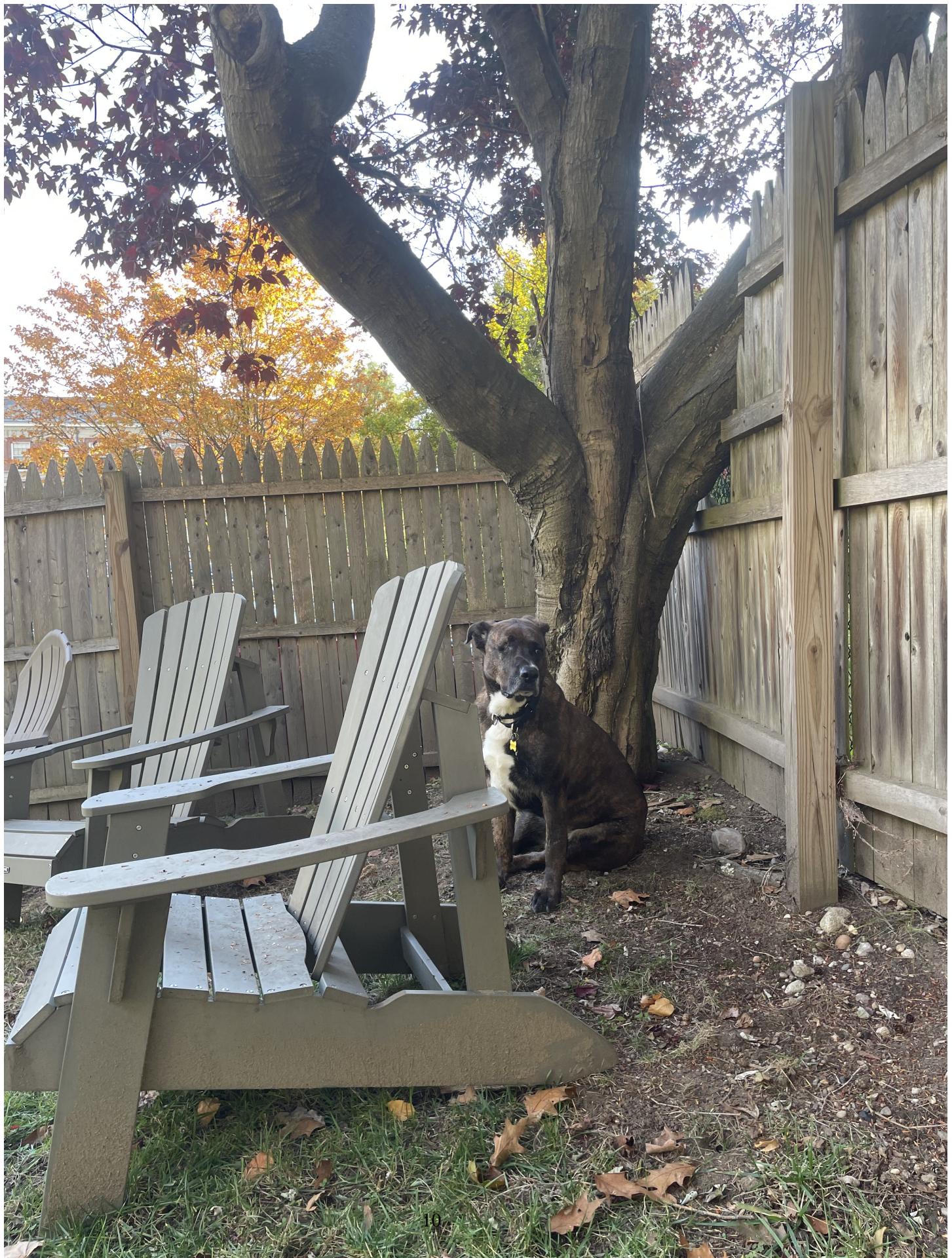
[https://en.wikipedia.org/wiki/List\\_of\\_individual\\_trees](https://en.wikipedia.org/wiki/List_of_individual_trees) [https://en.wikipedia.org/wiki/General\\_Sherman\\_\(tree\)](https://en.wikipedia.org/wiki/General_Sherman_(tree))



JEAN-PIERRE SERRE

# Trees





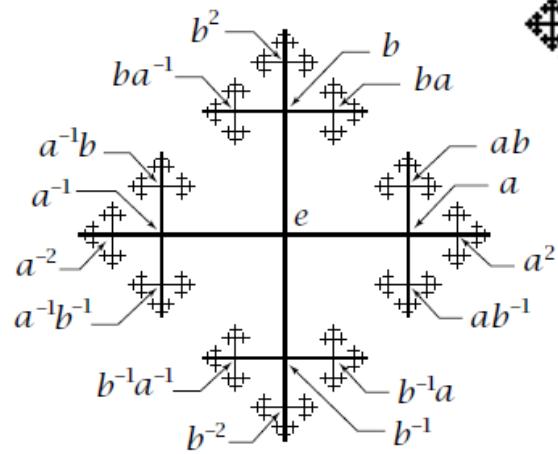
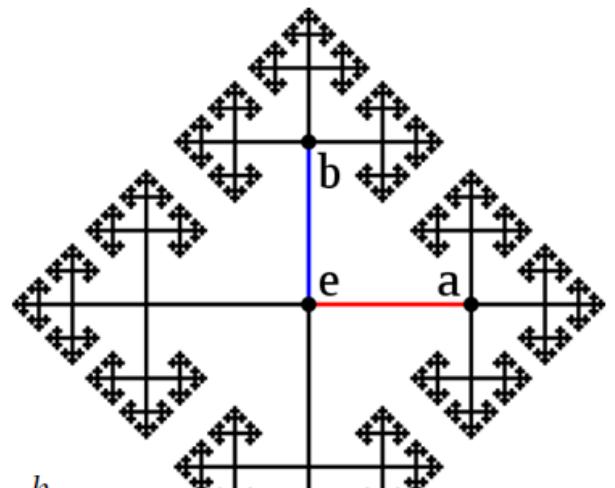
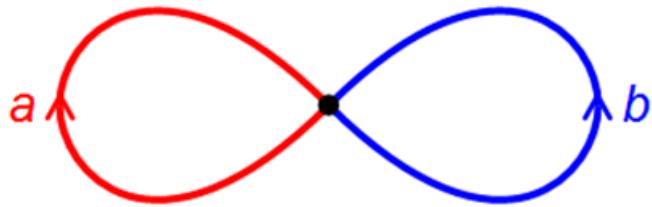
## 9 Every noise at once

<https://everynoise.com/>



## 10 Fundamental group

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

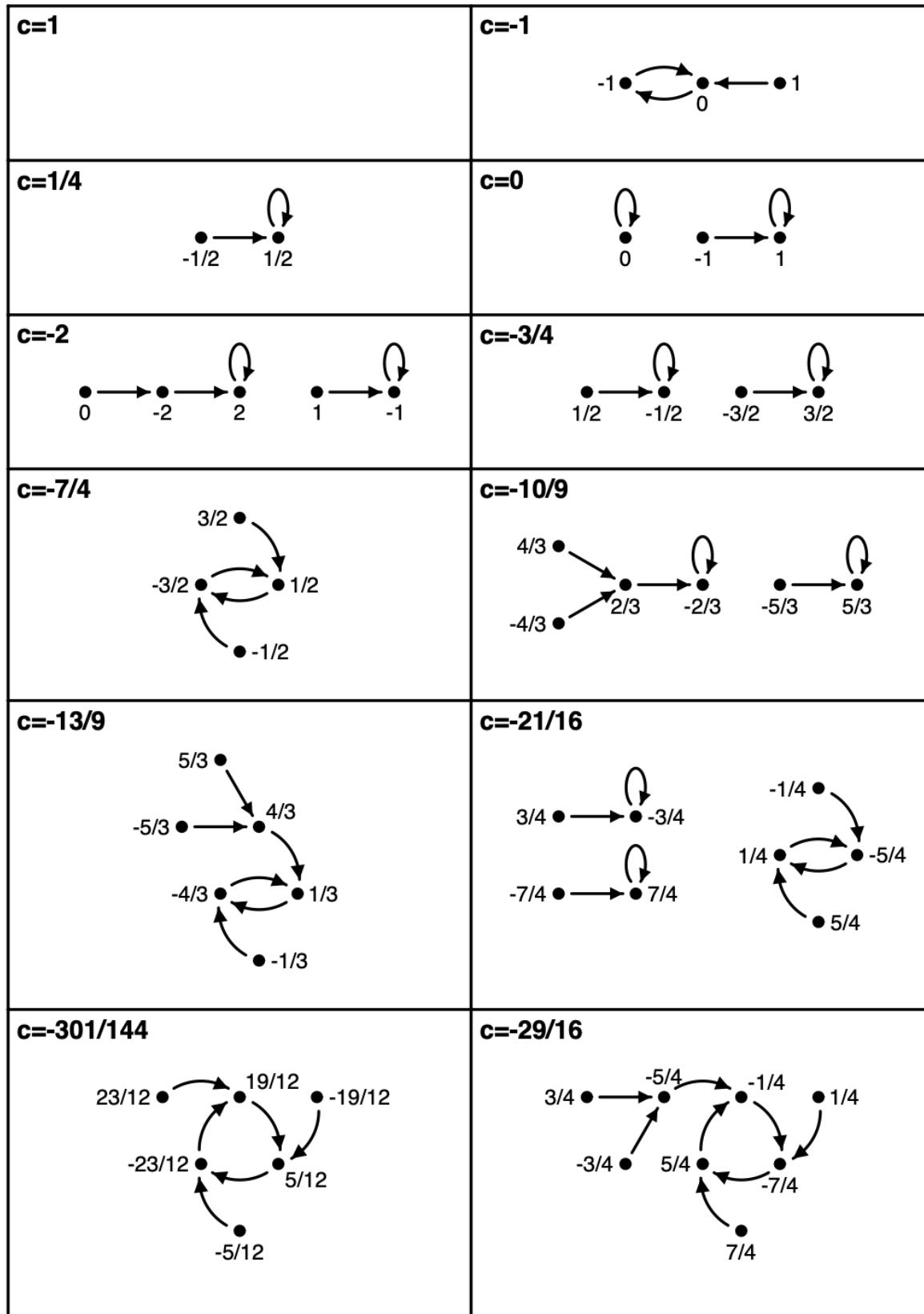


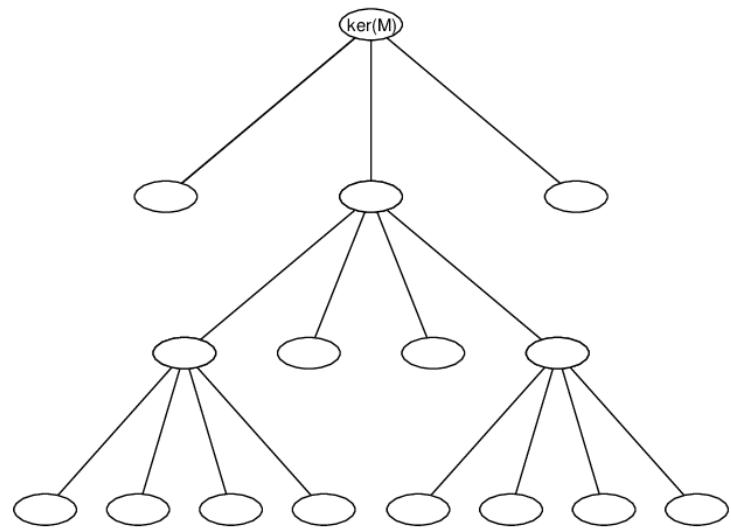
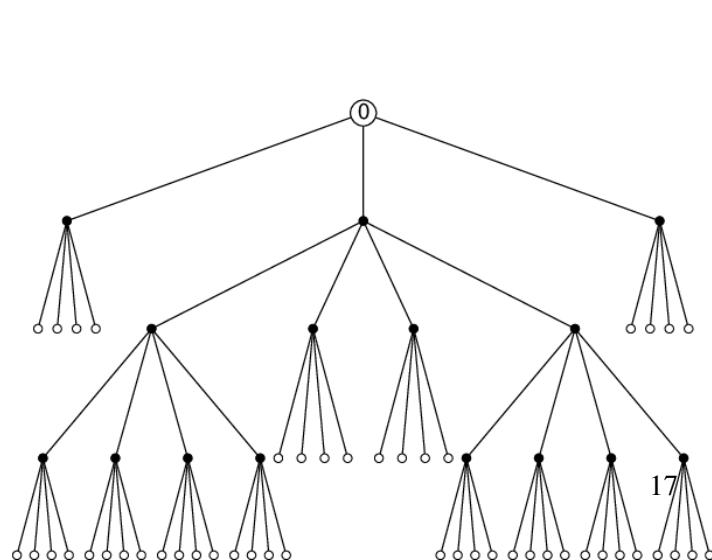
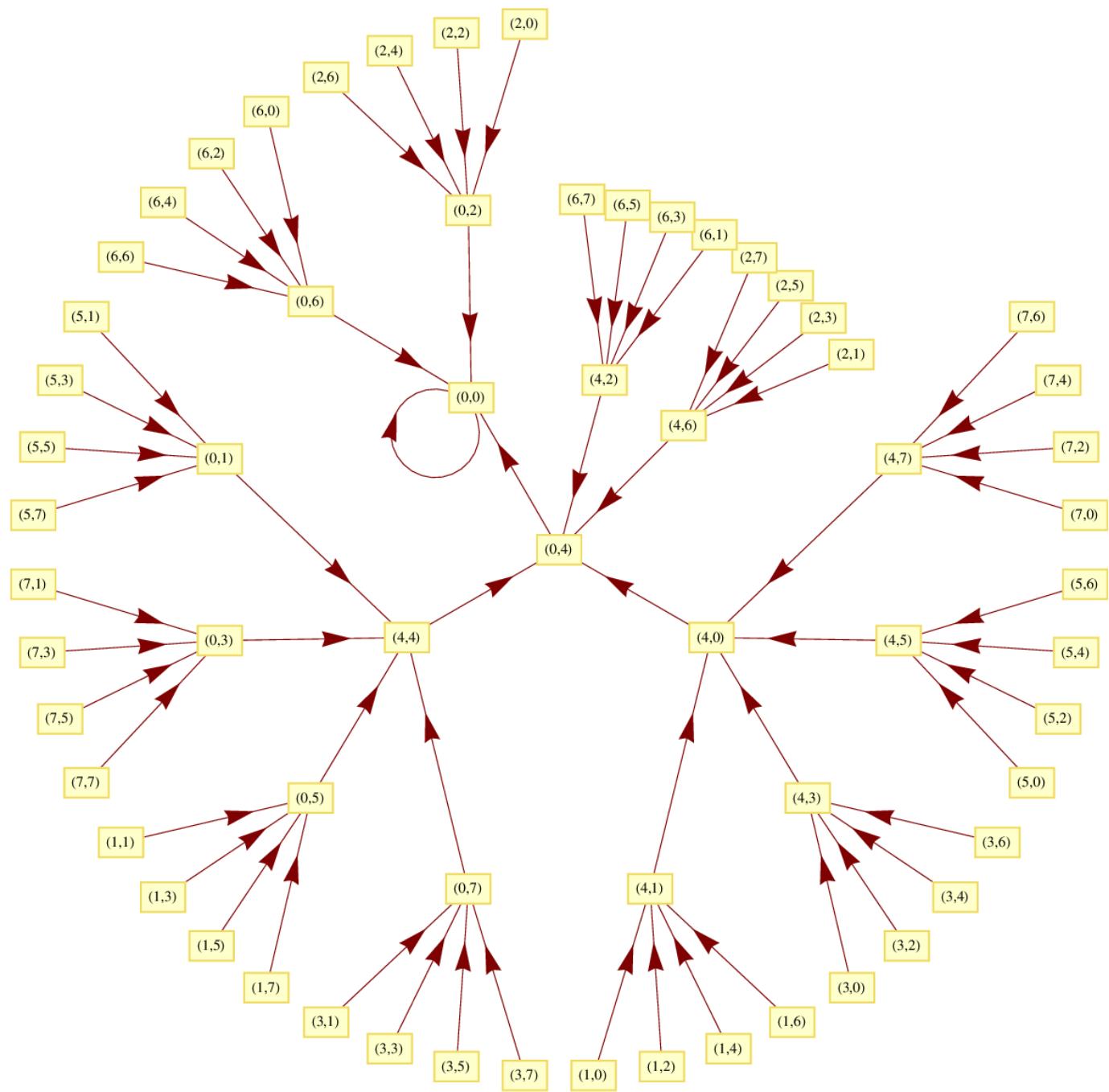


## 11 Dynamical systems

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

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

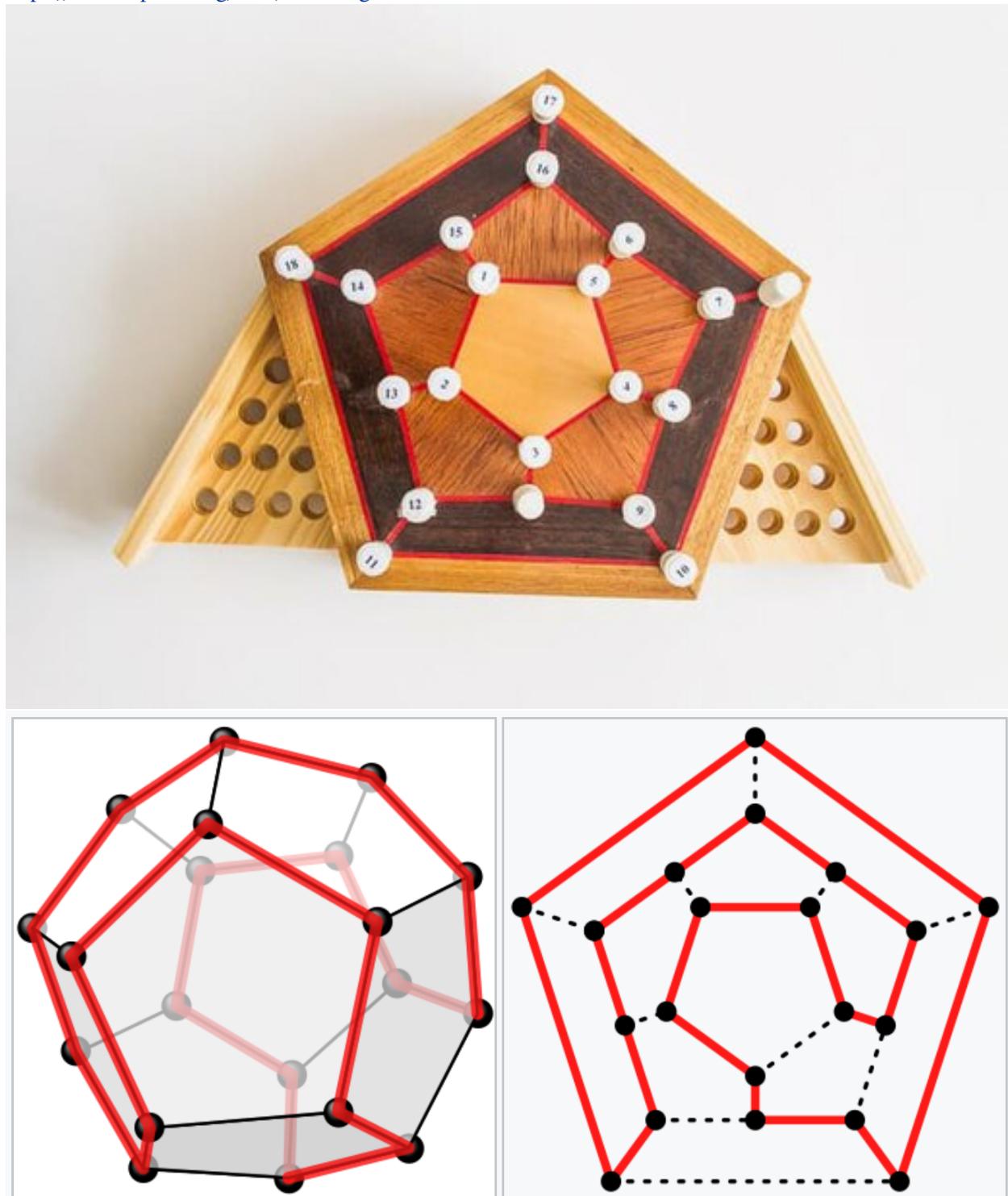
Figure 1. Finite Rational Preperiodic Points of  $z^2+c$ .





## 12 The icosian game

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

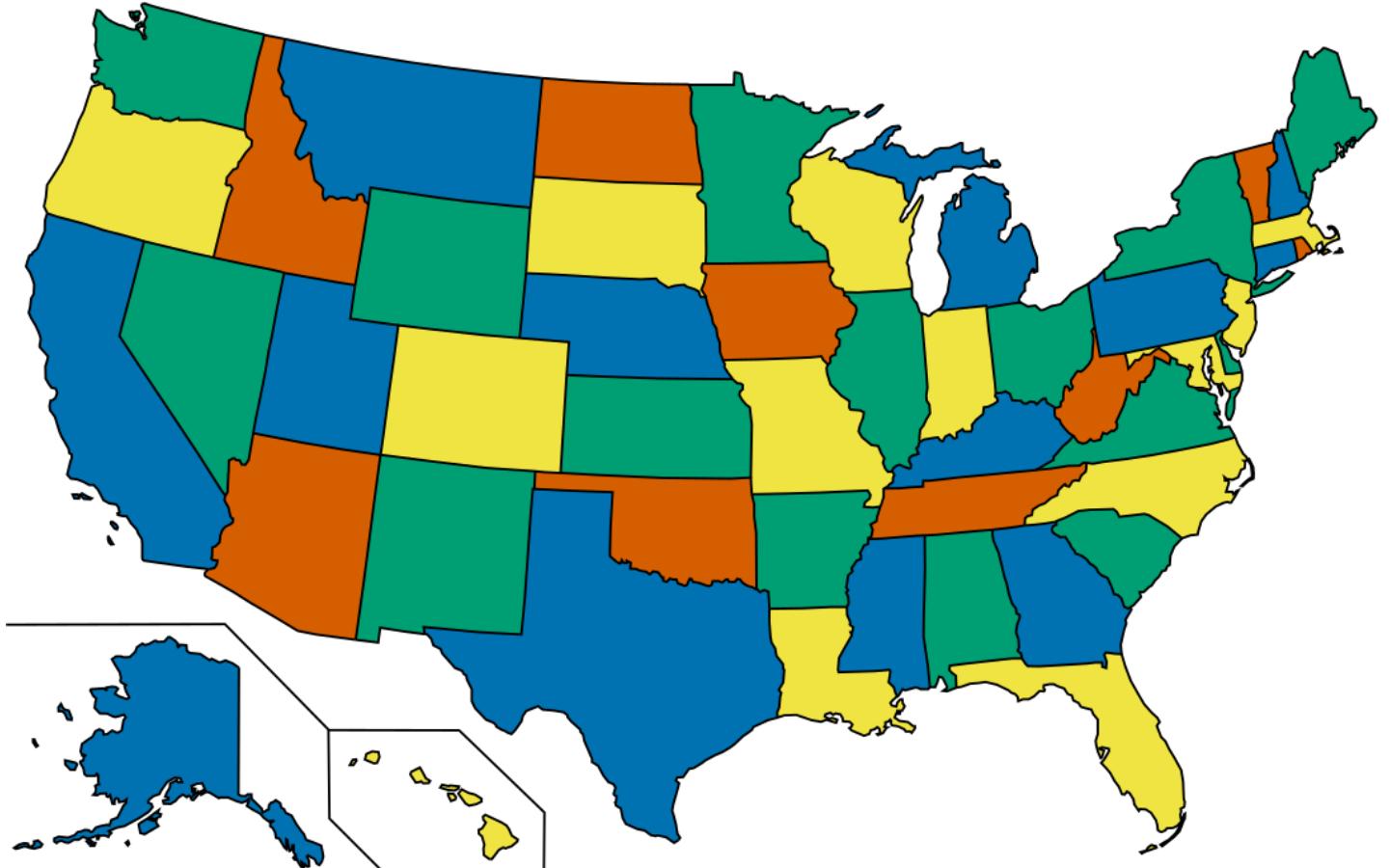


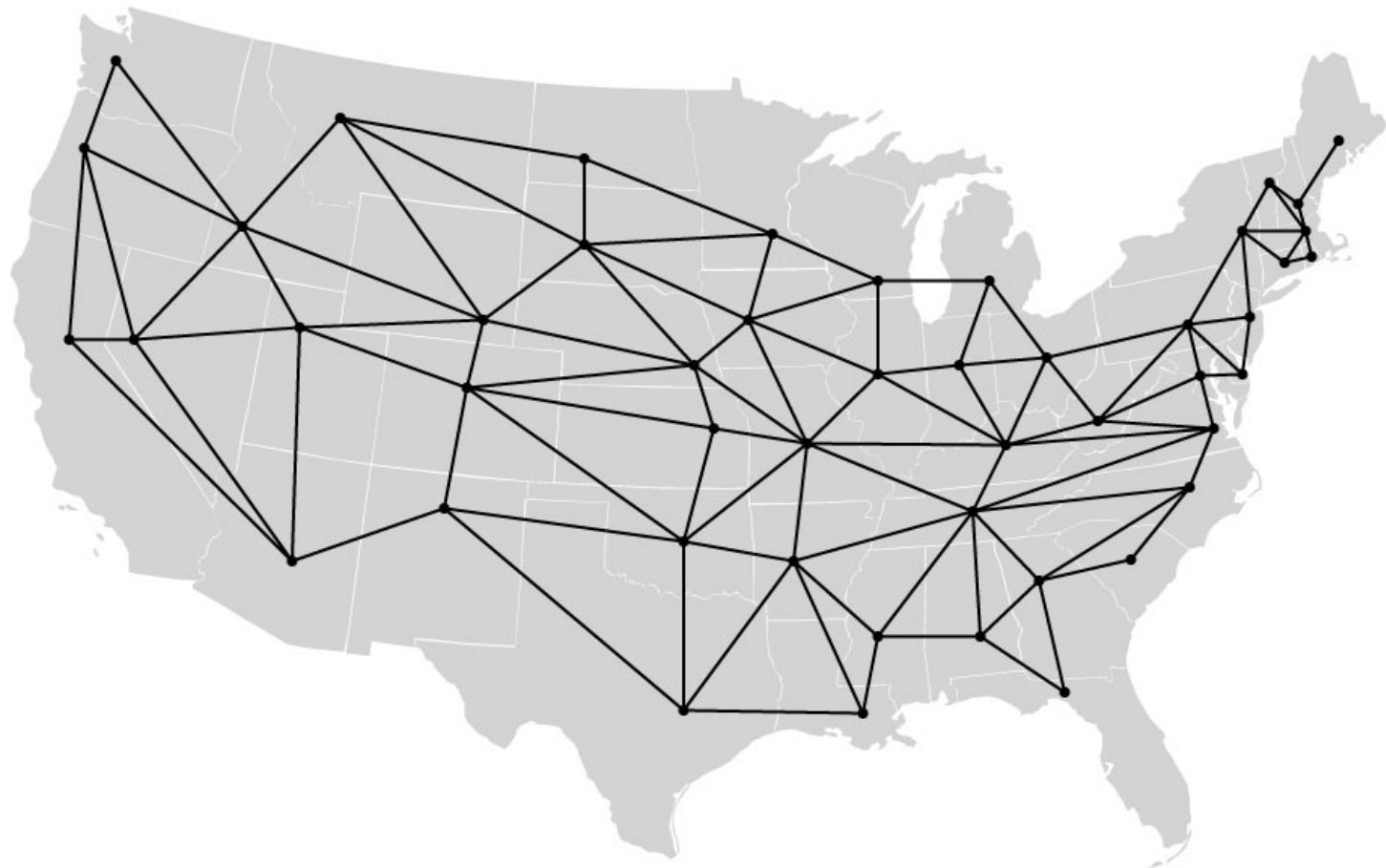




### 13 United states map (planarity and coloring problems)

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





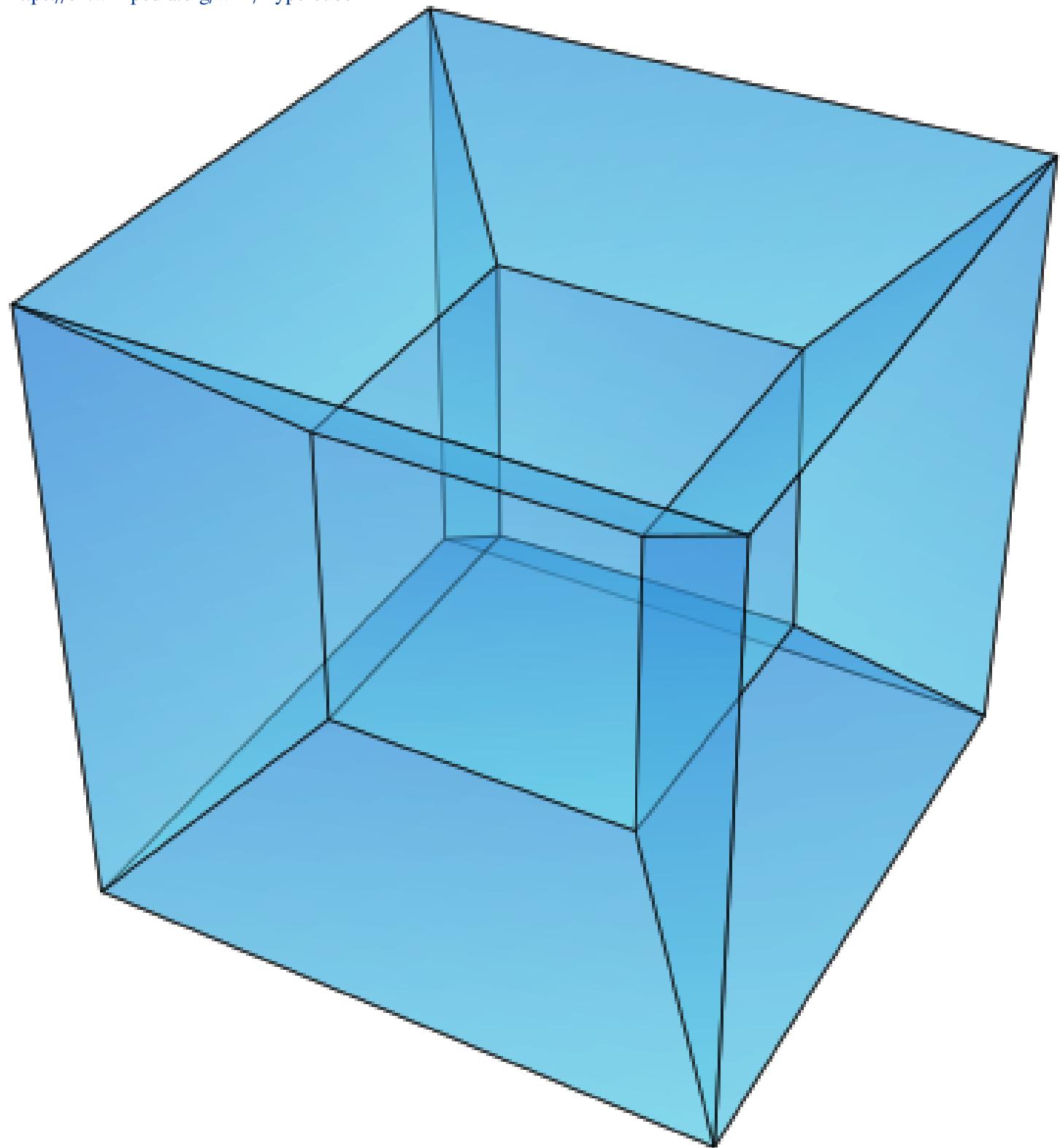


## 14 Hypercubes

[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

