

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

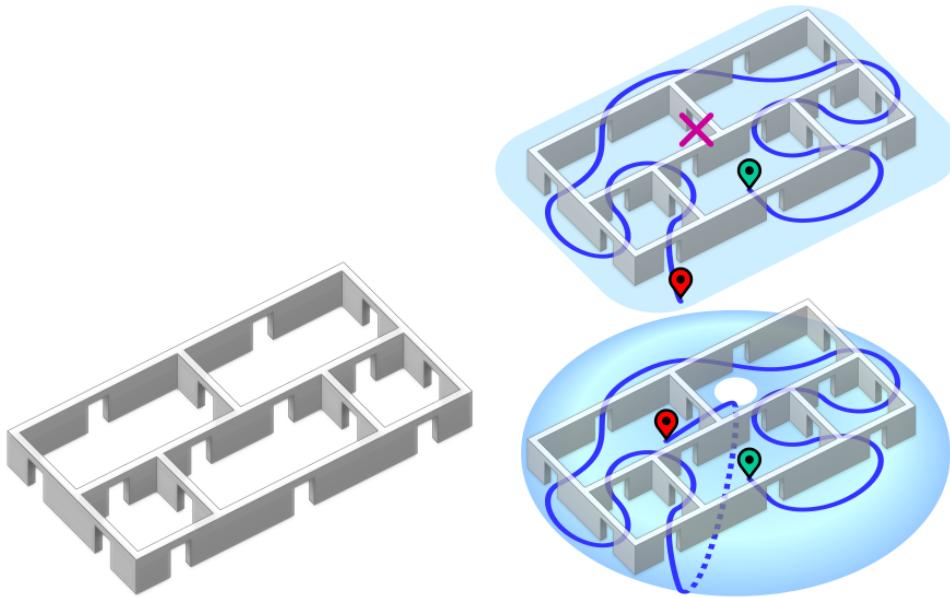
Last updated: September 14, 2024

Contents

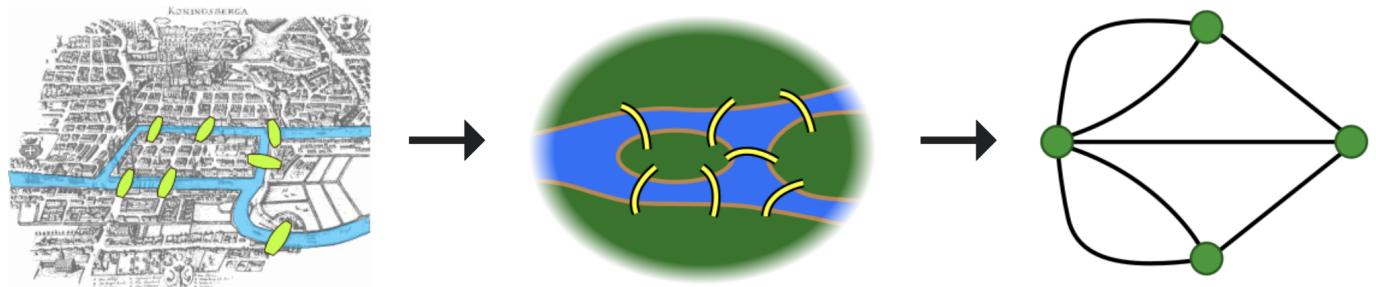
1	Puzzle DZB couldn’t solve in middle school	2
2	Games	4
3	Petersen graph	6
4	Common graphs.	8
5	Power source problem	10

1 Puzzle DZB couldn't solve in middle school

https://en.wikipedia.org/wiki/Five-room_puzzle



https://www.archimedes-lab.org/How_to_Solve/5_rooms.html

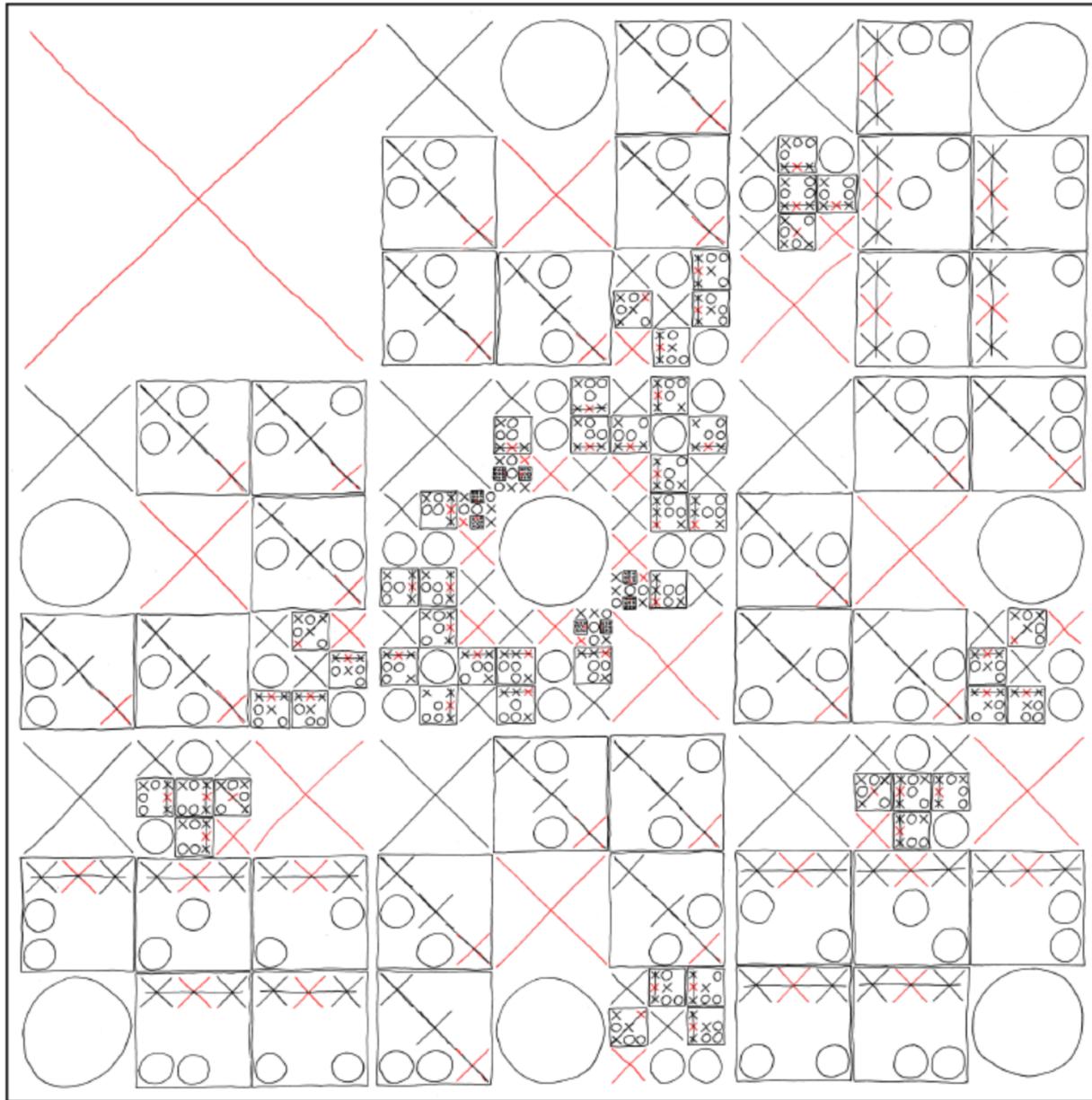


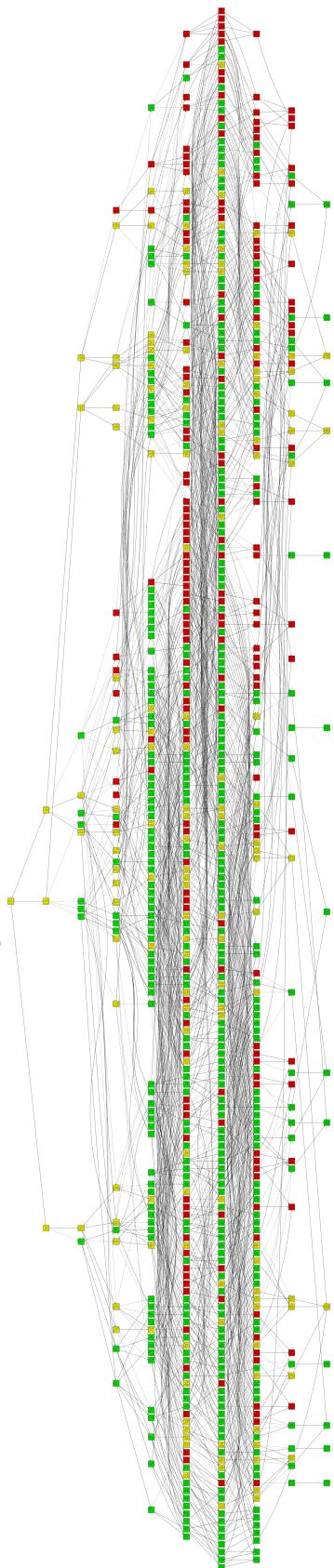
https://en.wikipedia.org/wiki/Seven_Bridges_of_K%C3%B6nigsberg



2 Games

<https://xkcd.com/832/>

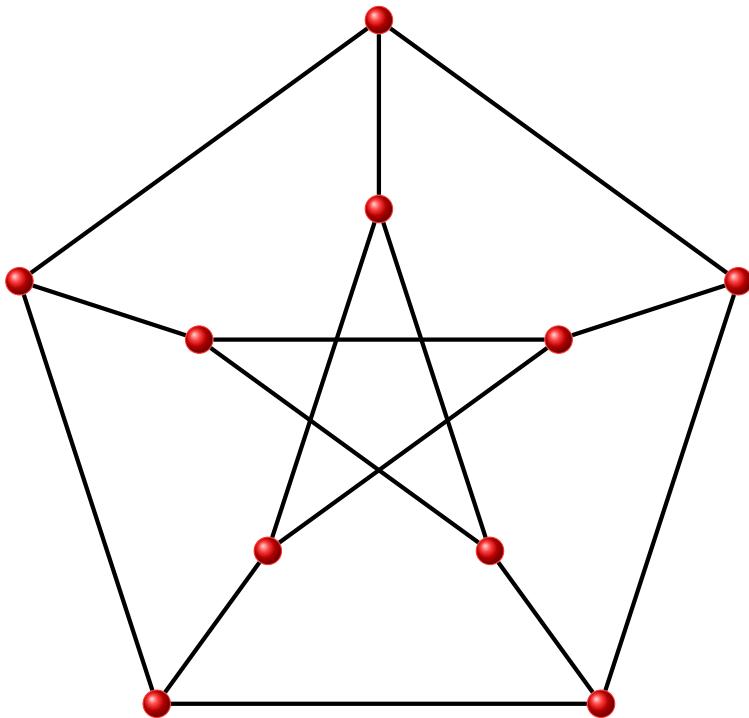




<https://gfredericks.com/blog/76>

3 Petersen graph

“The Petersen graph is undoubtably the most important graph in graph theory. It’s going to be my next tattoo, in fact.” - [Bill Kay](#), Pacific Northwest National Laboratory

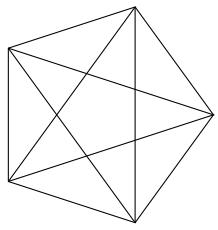


https://en.wikipedia.org/wiki/Petersen_graph

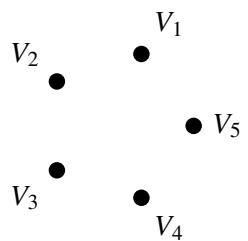


4 Common graphs.

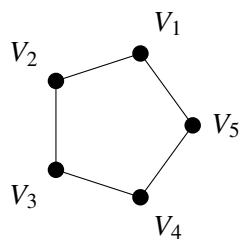
K_n complete graph.



E_n empty graph.



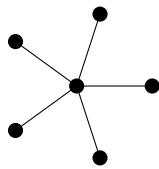
C_n cycle graph.



P_n path graph.



S_n star graph.





5 Power source problem

https://en.wikipedia.org/wiki/Three_utilities_problem

