

Mathematics of Matrimony

- *Why am I doing this talk?*
- *Save the dates and graph theory*
- *Mathematical table planning*



Anyone else bored with wedding planning?

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Save the Dates & Graph Theory

Save the Date defn:

A save the date is a notice stating the date of a significant event such as a wedding. It is typically sent to those likely to be interested or affected by the event and states the planned date of the occasion so that recipients who wish to attend know to keep that date free.



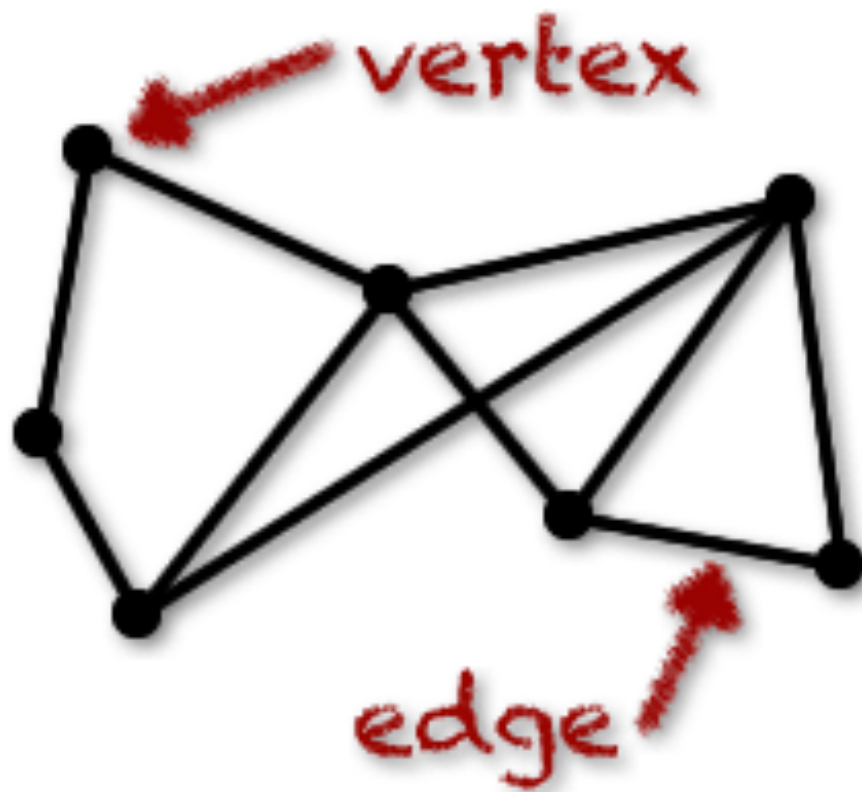
Papercutting defn:

Papercutting or paper cutting is the art of cutting paper designs. The art has evolved uniquely all over the world to adapt to different cultural styles.



Graph Theory Defn:

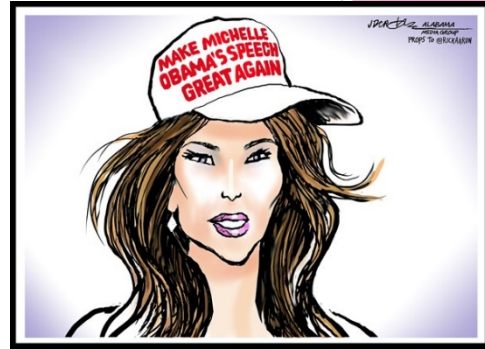
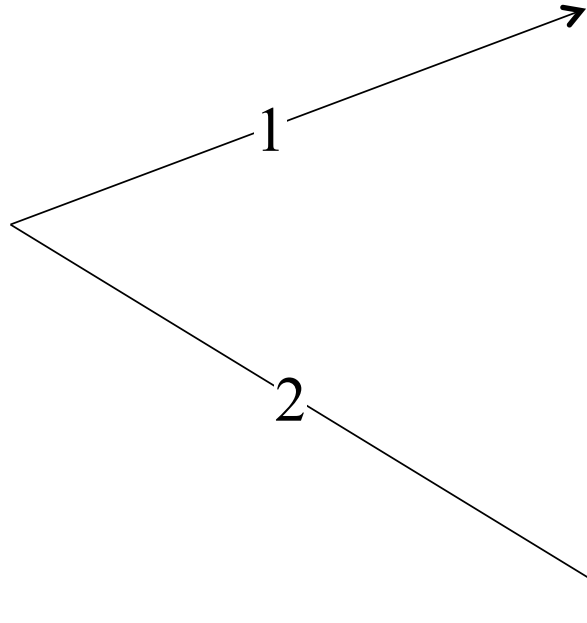
In mathematics graph theory is the study of graphs, which are mathematical structures used to model pairwise relations between objects. A graph in this context is made up of vertices, nodes, or points which are connected by edges, arcs, or lines.

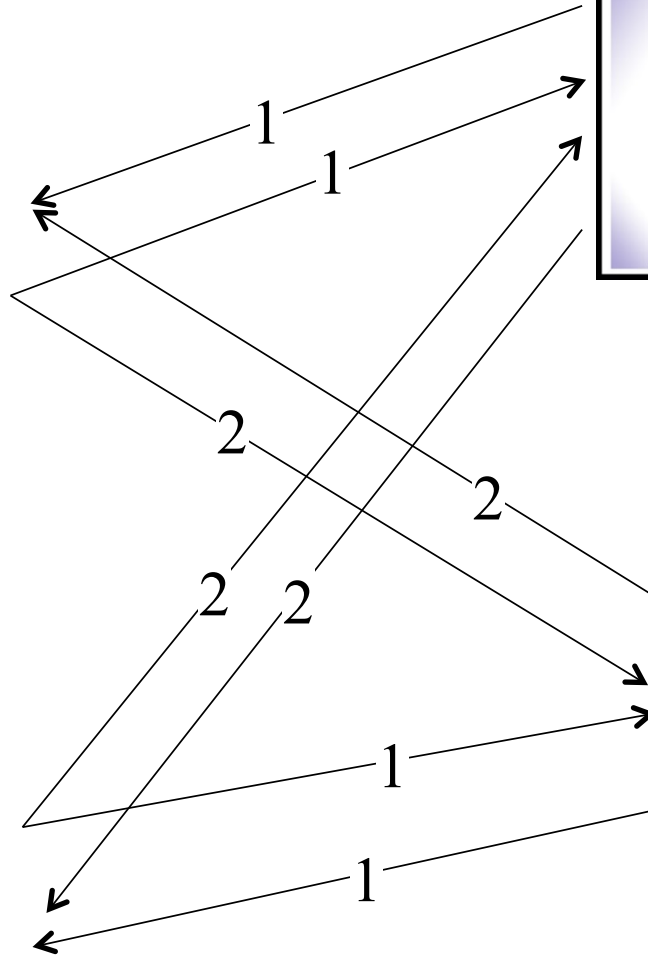


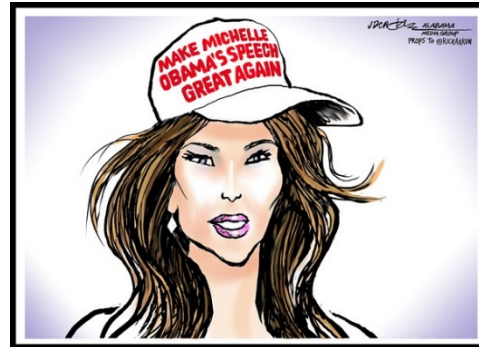
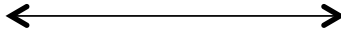
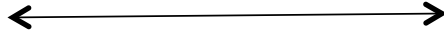
RHS

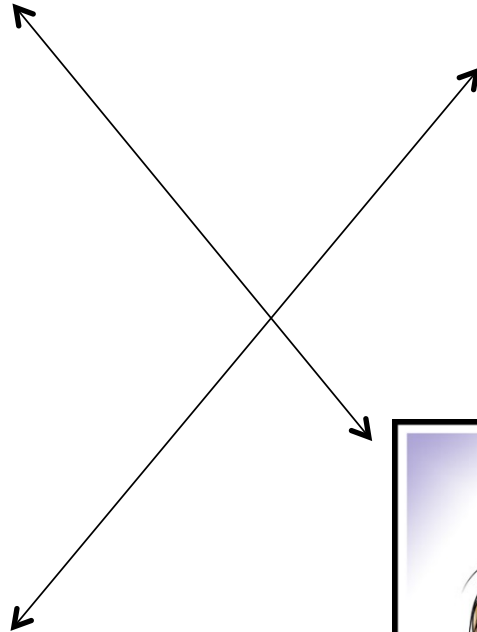
Save the Date

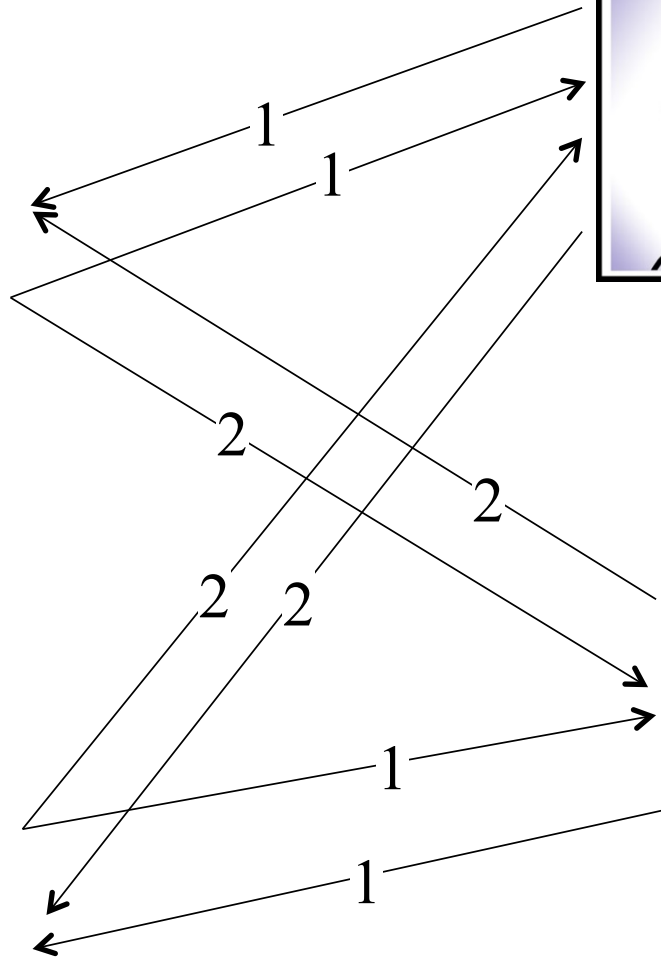
12/08/2018

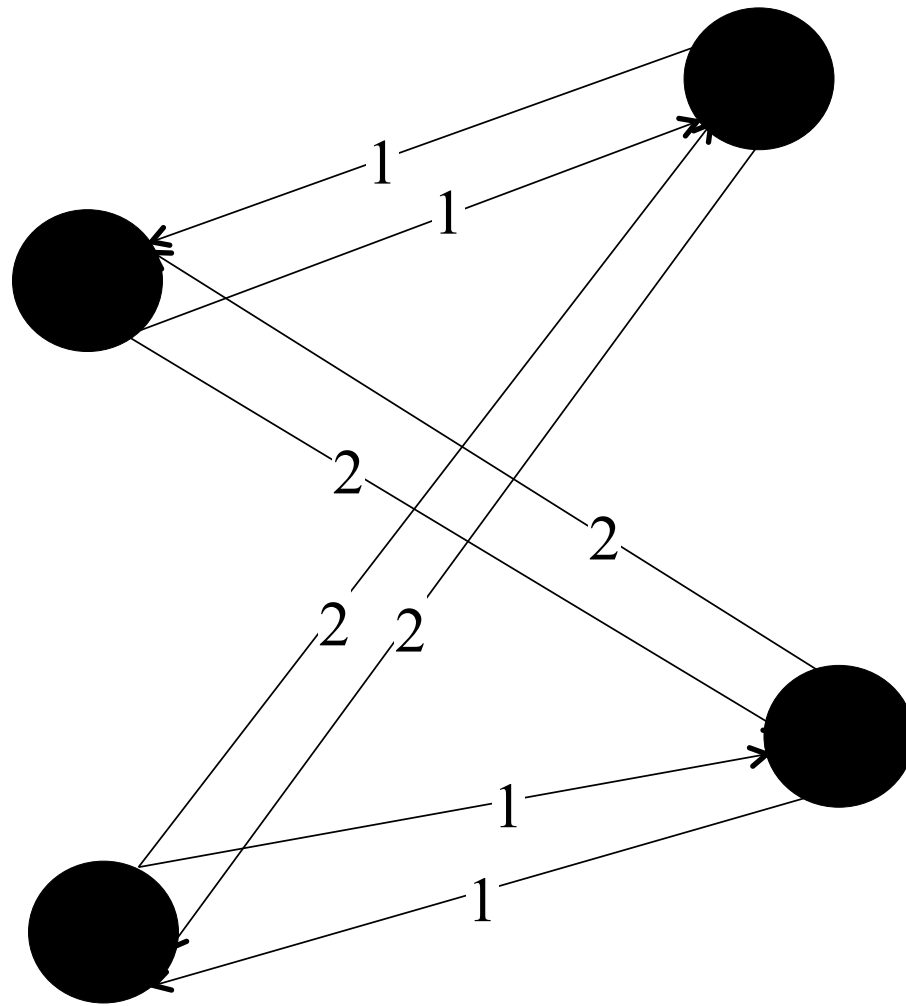


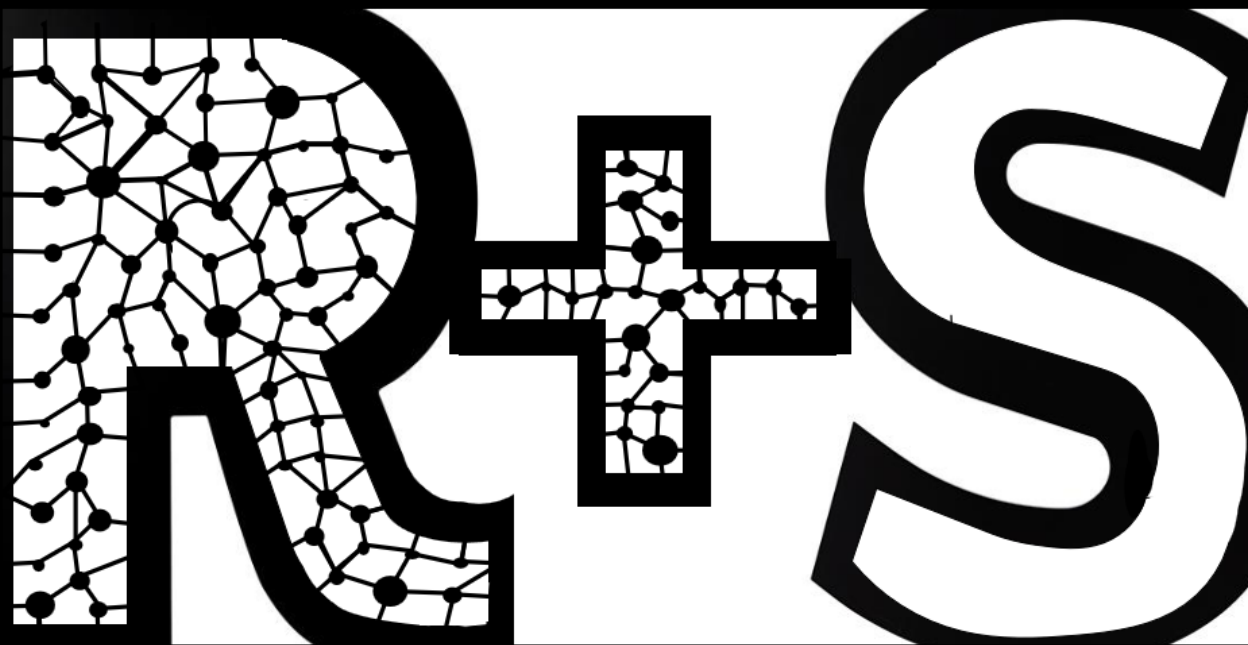












Save the Date

12/08/2018

Mathematical table planning









0



0



0



0



0

-5

-1

-8



0



0



0



0

-5

-1

-8



-10

0

-3

8



-3

-7

0

10



2

10

-10

0



-1

8



-3



10



-1

-3

8

10

$$\begin{aligned} &= (-1) + (-3) + 8 + 10 \\ &= 14 \end{aligned}$$



0

-5

-1

-8



-10

0

-3

8



-3

-7

0

10



2

10

-10

0



-5



-10



10



-10



-5

-10

10

-10

$$\begin{aligned} &= (-5) + (-10) + 10 + (-10) \\ &= -15 \end{aligned}$$

- Numberphile – Stable Marriage Problem
- Hannah Fry - Mathematics of Love