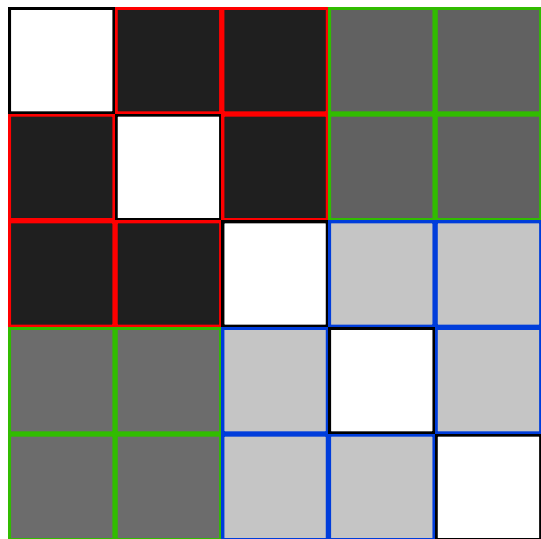


$$\epsilon_{i,j} \sim \text{Bern}(p_k), (i,j) \in \mathcal{C}_k$$

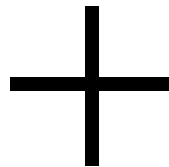
This matrix binary entries, whose probability to be one is proportional to the darkness of the entry.


 \mathcal{C}_1

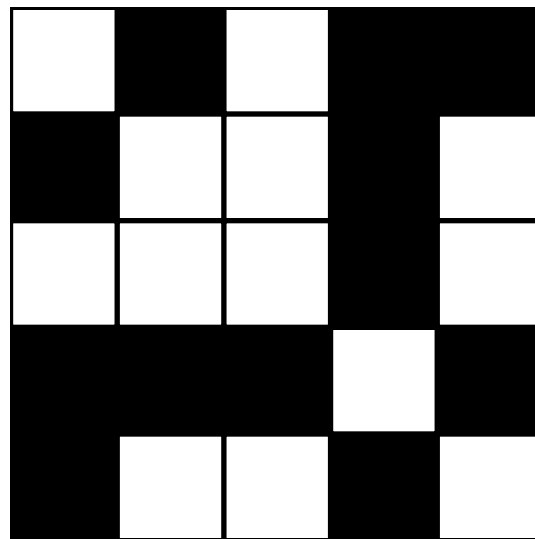
 \mathcal{C}_2

 \mathcal{C}_3

Modulo 2 Addition



Adjacency Matrix


 $\tilde{\mathcal{G}}$