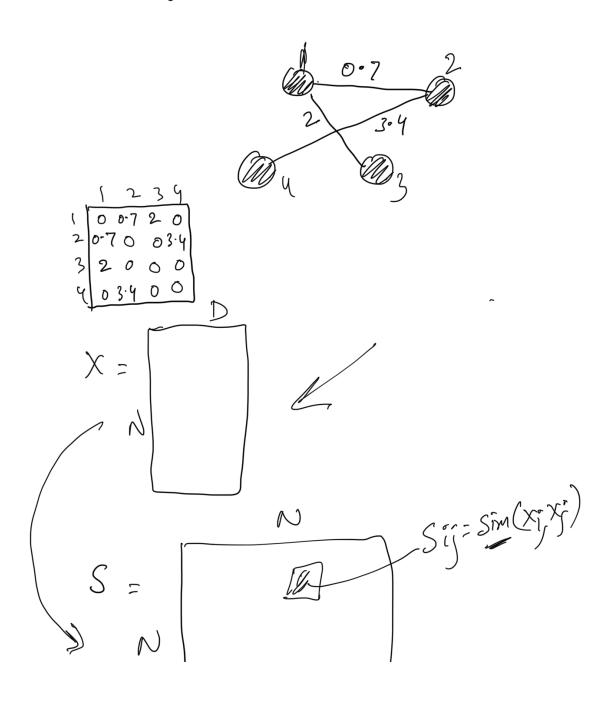
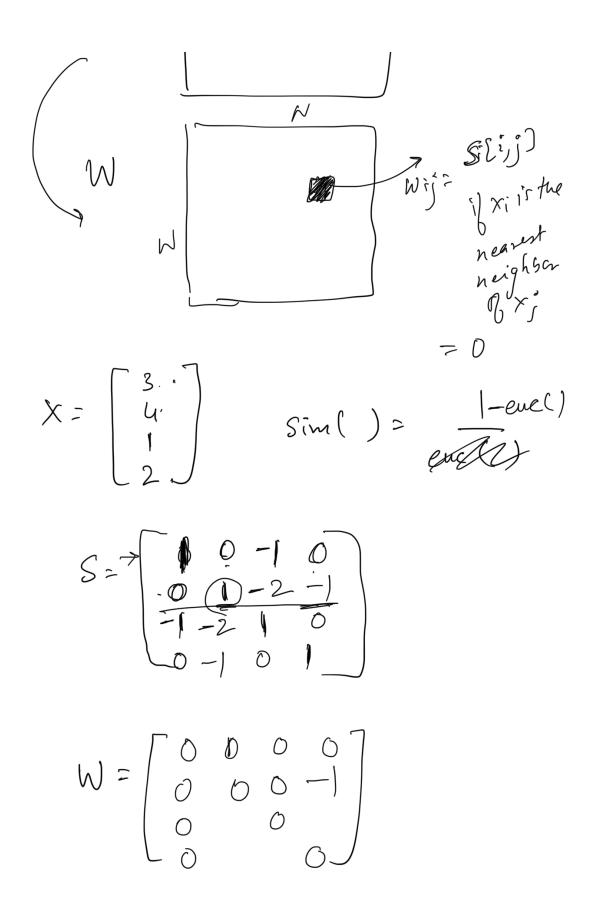
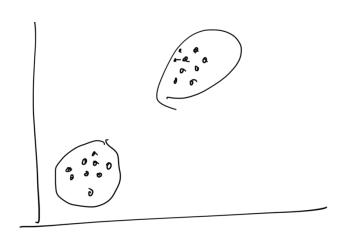
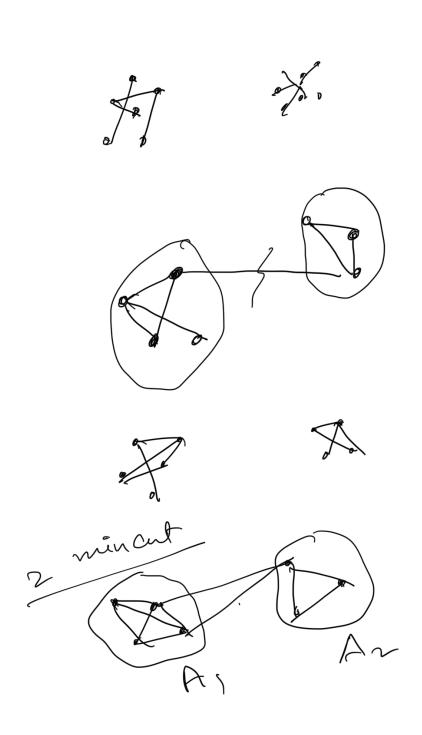
Einstering Fri Apr 30 -

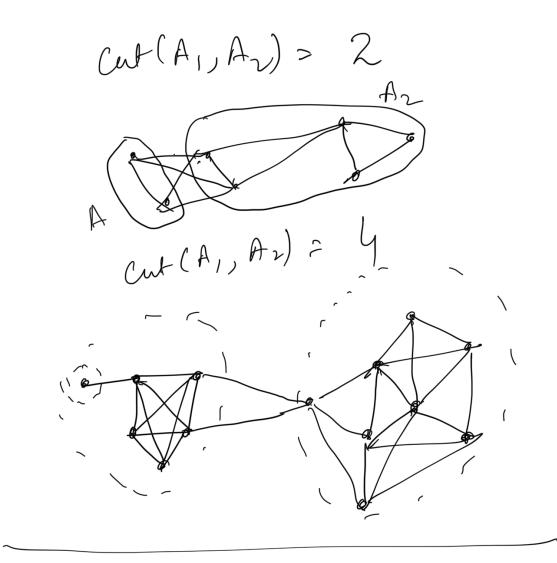
weighted undirected Graphs.





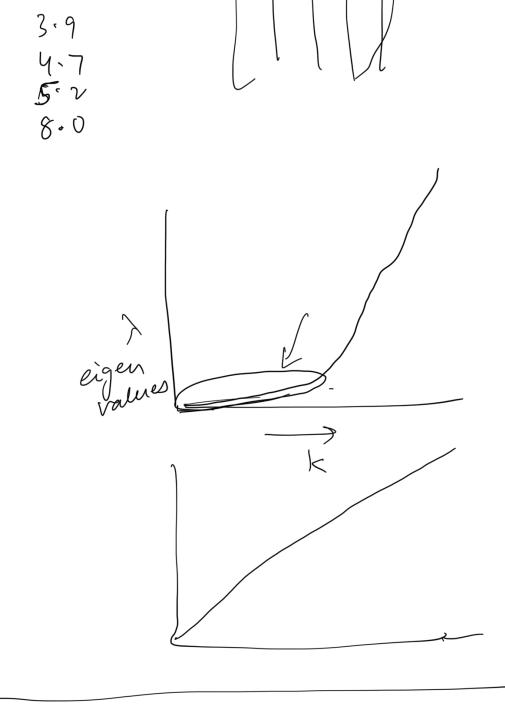






 $W_{N\times N}$ adjacency matrix D - diagonal matrix $D_{N\times N}$ $D_{ii} = \sum_{j=1}^{N} W_{ij}$ L = D - W

$$N = 10$$
 $N = 10$
 $N = 10$



Mon May 3

X Sim(,) Graph
Wadjacemay
(NXN) makix

Graph partitioning Christing Laplacian Matrix L: Dir = \subseteq \wightarrow \in \text{in} |- component a | eigen value = 0 2 eigen values = 0 [1100000] rectors:

[600 () /) weakly comparents, 2 eigen values which are very small.