Jo ( Pr , P2) any 2 ppl in the wall connected? On an aug by 6 hops Milgran 96 plap (Landonly chosen ppl from directory) Passput -> Nour 2 obrious

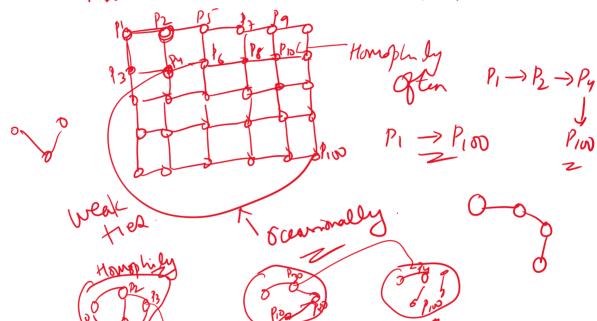
## 10 -> log -> Otrions

2 leasons 1) Homephily

2) Weak Ties

Mre: Geographically fruits are closes D Less: Far away

Madd world in the four of grid

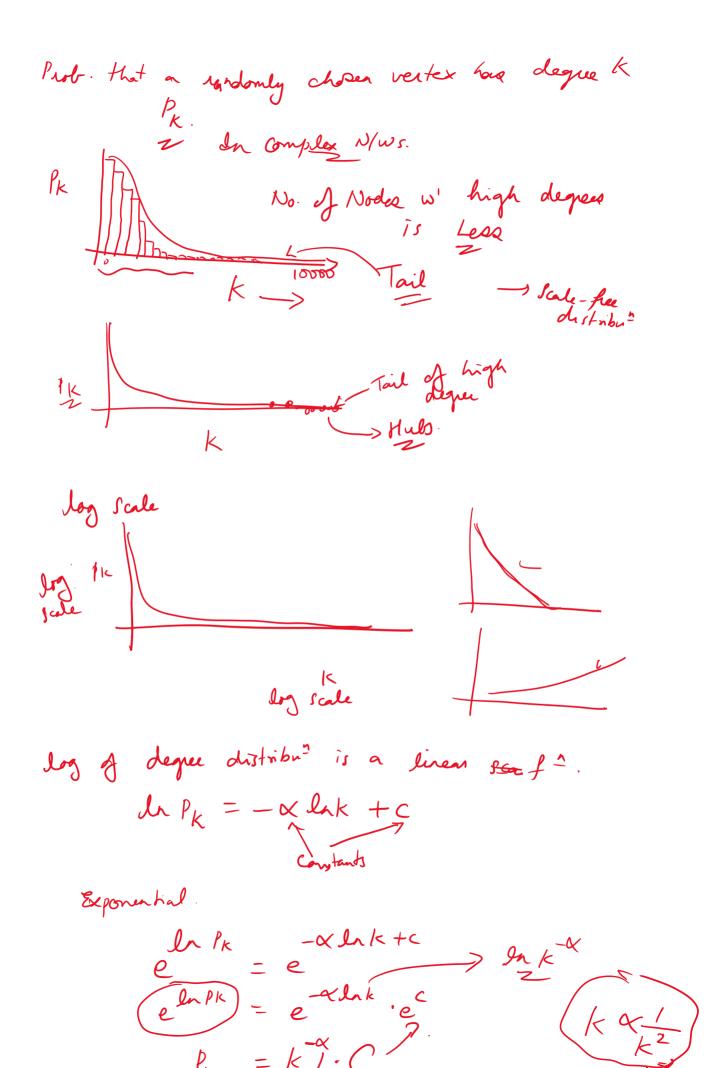


Degree Distribu

Frace of nodes w' degree  $K = P_K$ 

$$P_{0} = \frac{1}{q}, P_{1} = \frac{4}{9}, P_{2} = \frac{2}{9}, \dots Z$$

Prob. that a randomly chosen vertex has deque k



 $P_{K} = k \int_{-\infty}^{\infty} C$ Power law:

Power law:

N/W that fllows Power law is called

Scale - free N/ws.