SPECTRAL CLUSTERING BINARY CLUSTERING:

- Weighted graph (G, W) |V|=n.
- Incidence matrix M. Jind y"= eig. vector for λ_2 .
- Laplacian matrix (n×n): L=MM.
 Then: (b)
 U:>o ⇒ V: cluster 0
 - $\int \frac{2\pi V(v;v_{1})}{v_{k}} = \int \frac{2\pi V(v;v_{1})}{(v;v_{1})} =$
 - (1) Why does it work?

- $L \cdot \underline{1} = \underline{0} (\underline{1} = egnevector with egnevector)$
- (2) What happes when we have
 - more than two clusters?

all eig. values of L











What happens if this isn't



