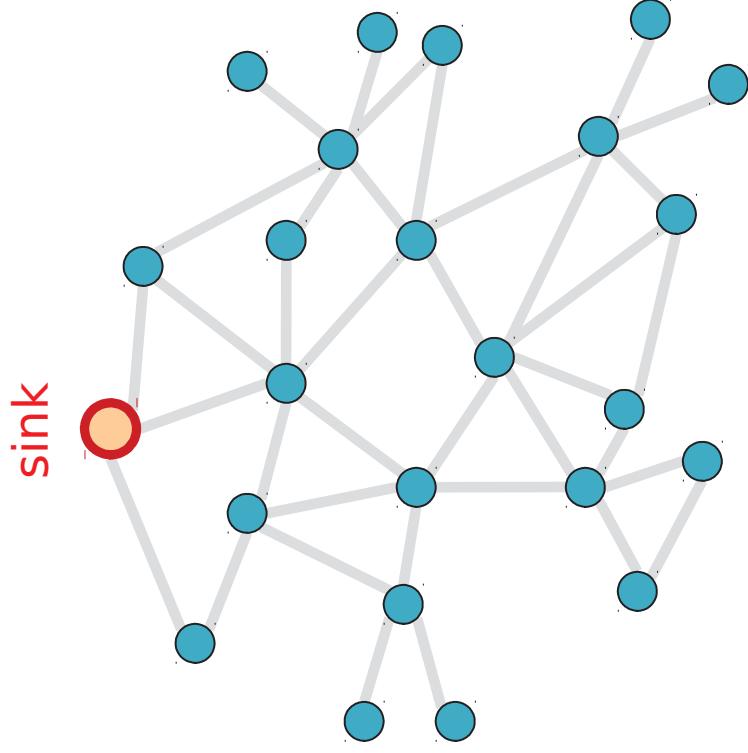
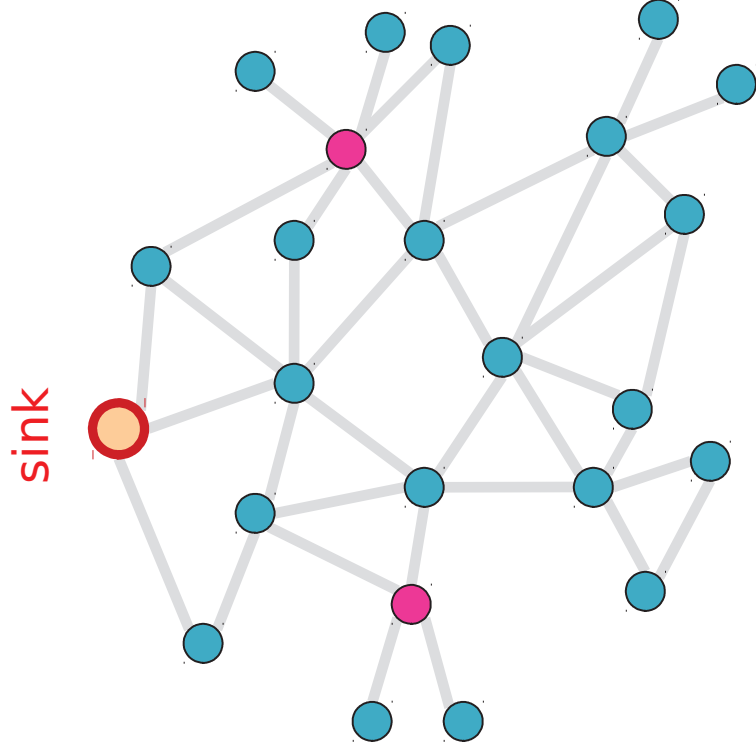


Layer k



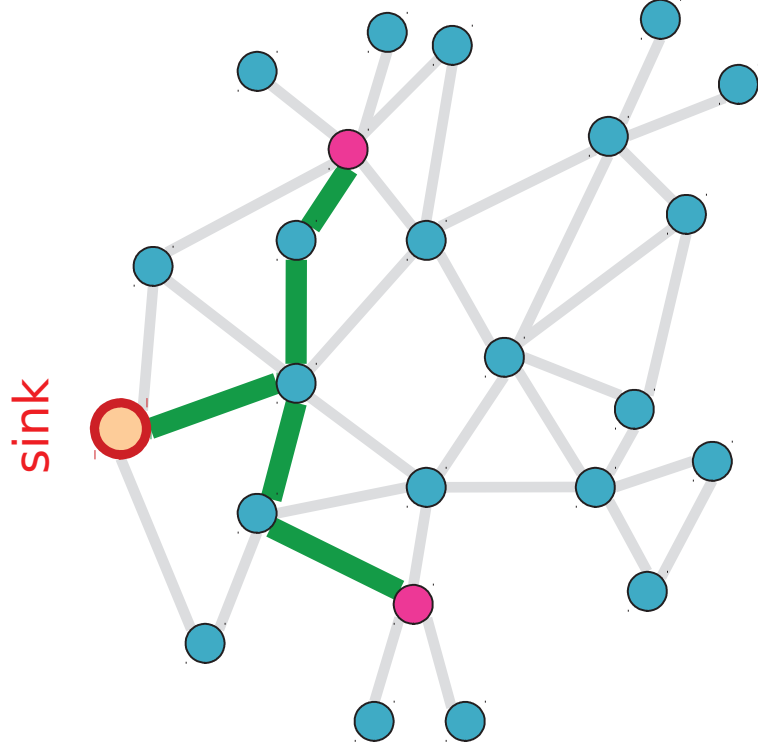
Project Overlay Tree to Graph

Layer k-1



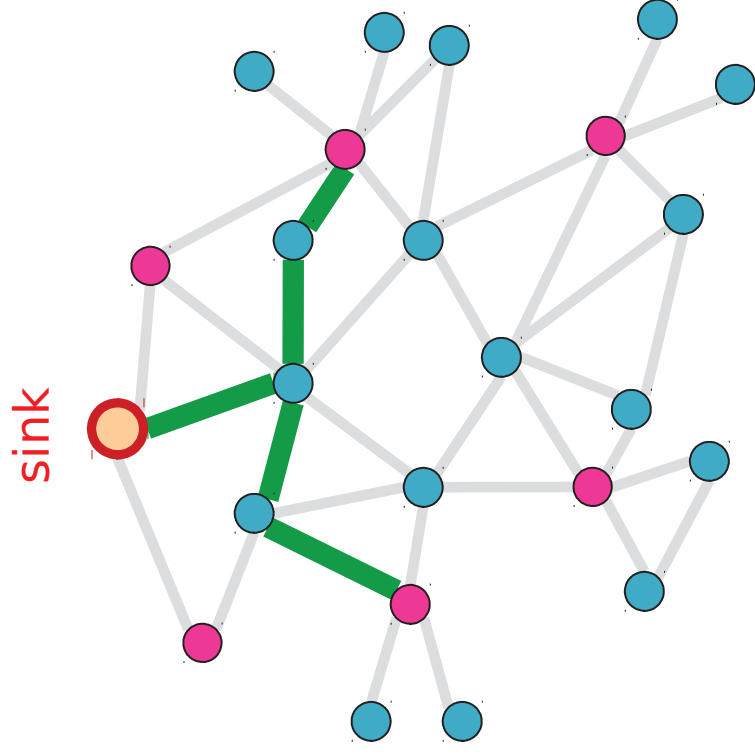
2^{k-1} **distance between leaders**

Layer k-1



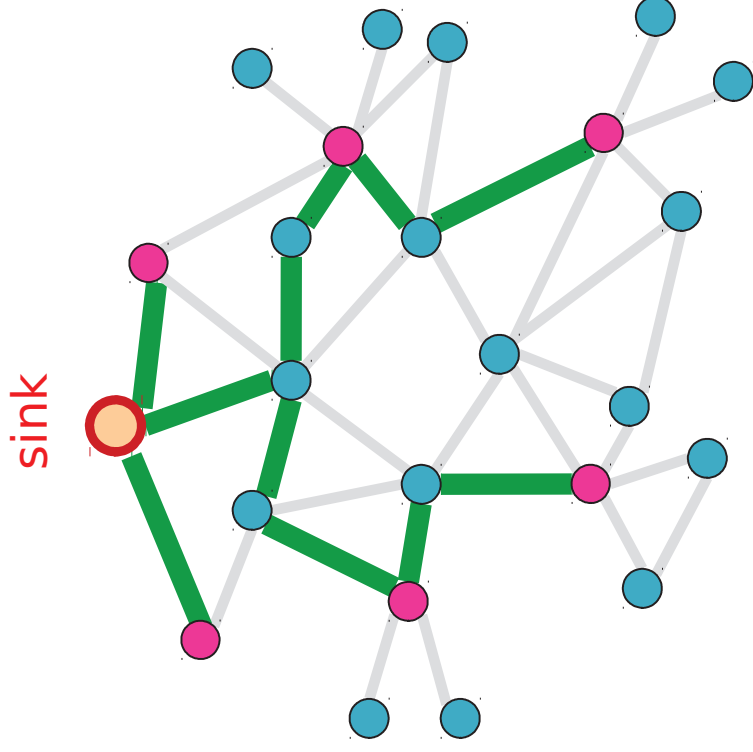
**Shortest path to nearest
higher layer leader**

Layer k-2



2^{k-1} **distance between leaders**

Layer k-2



**Shortest path to nearest
higher layer leader**

Layer k-3

