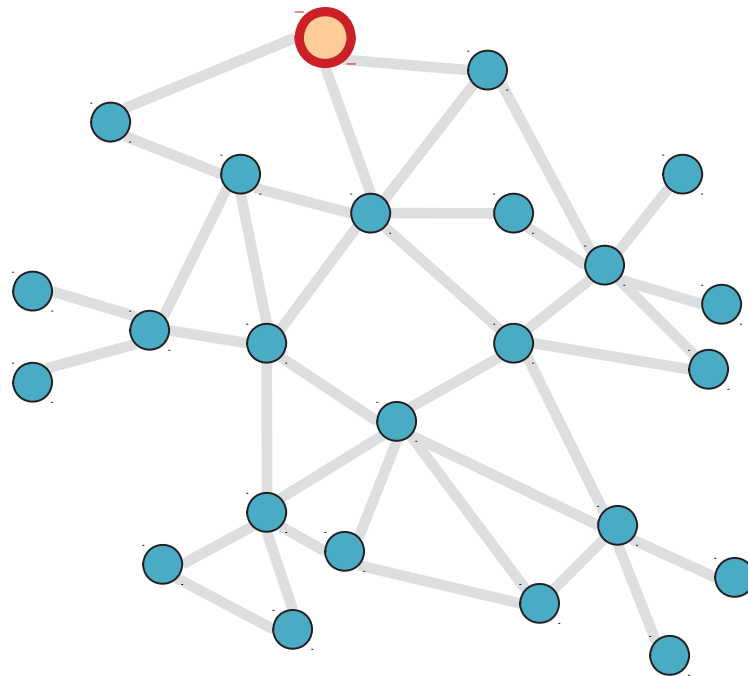


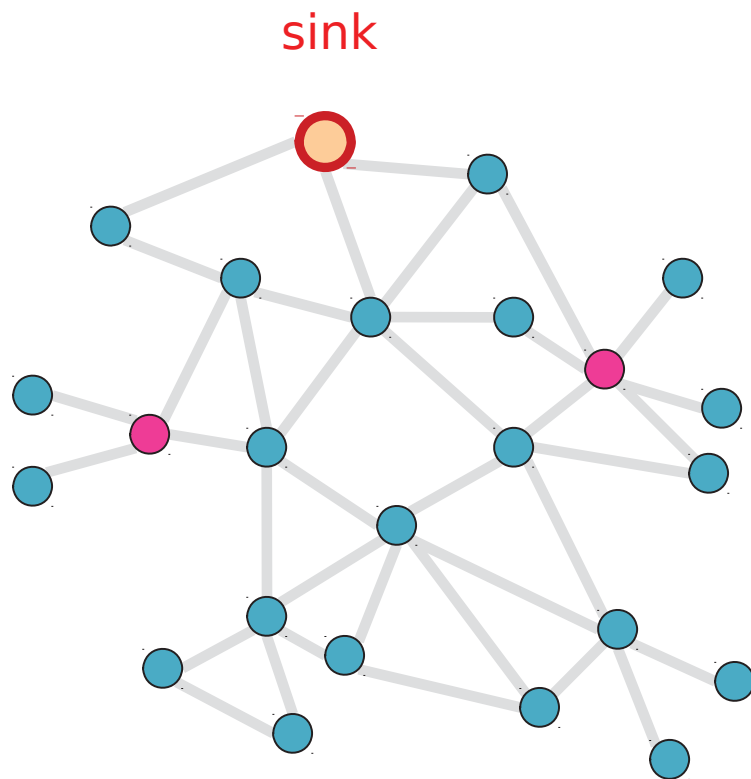
Layer k

sink



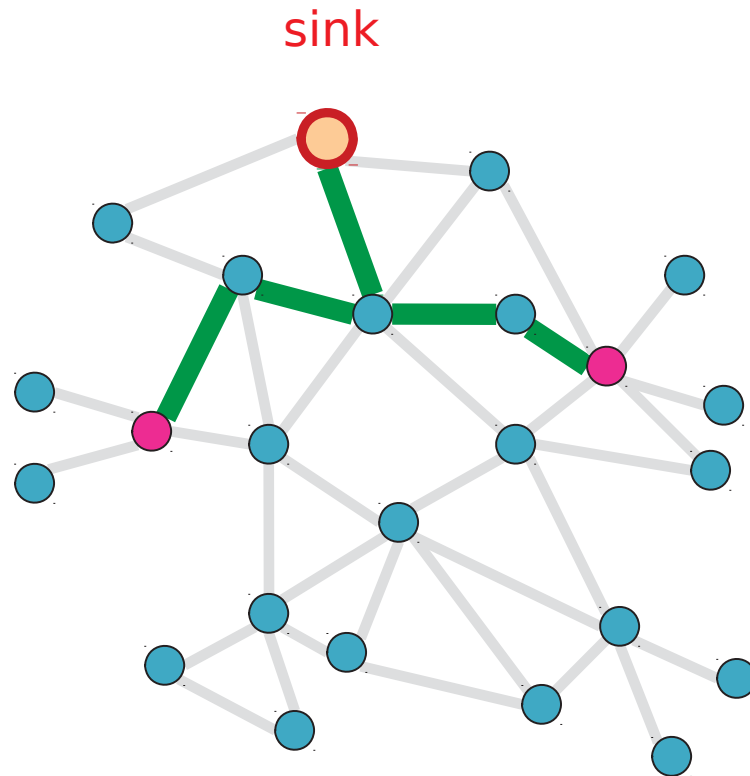
Project Overlay Tree to Graph

Layer k-1



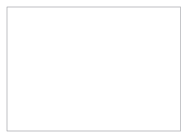
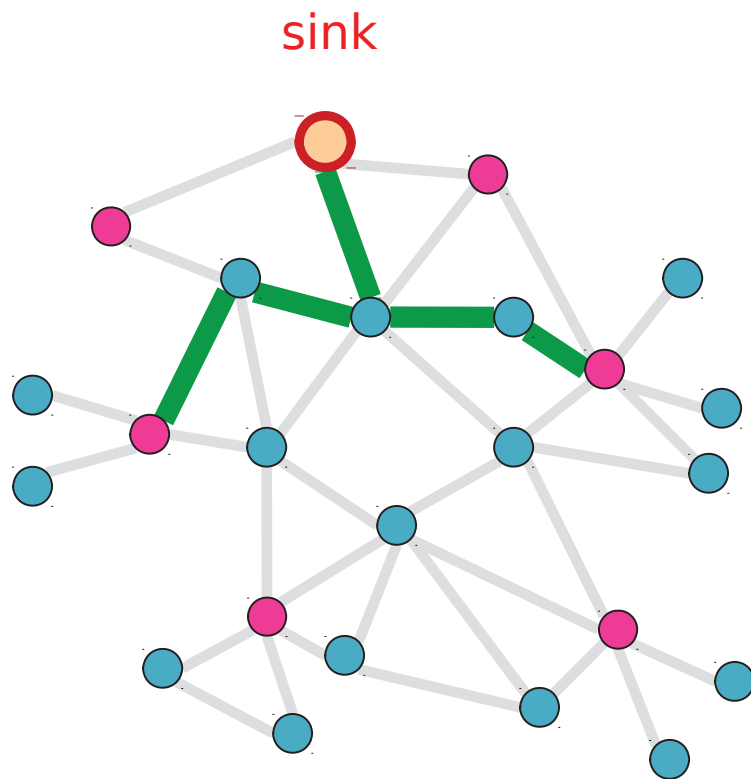
2^{k-1} distance between leaders

Layer k-1



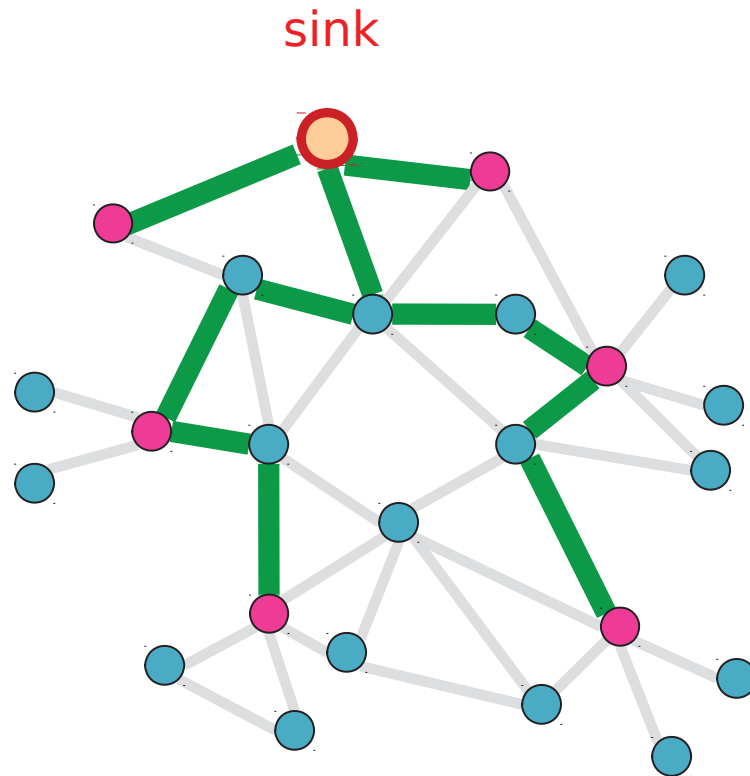
Shortest path to nearest higher layer leader

Layer k-2



2^{k-1} distance between leaders

Layer k-2



Shortest path to nearest higher layer leader

Layer k-3

sink

