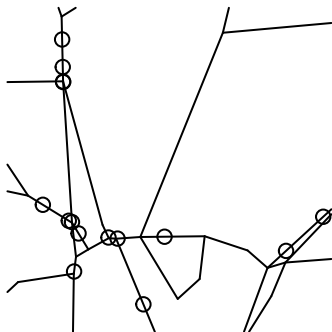**Centers**   **A realization of the model**