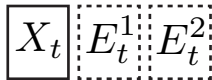Initial graph at time t.

Matrix of data attributes, possibly concatenated with infomation about graph

Statistical model outputs probability of matching for each node

Probabilities are thresholded. Nodes with 1 are selected to be cleared.
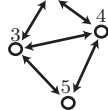
Integer programming solver finds a maximal matching among selected nodes
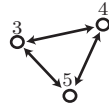
Nodes are cleared according to solution. Model is allowed to evolve to next period, and the next iteration starts.