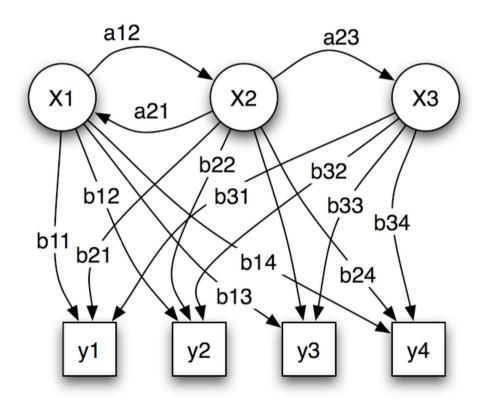
## Audio – Probability-based grouping

**HMM** is a statistical Markov model in which the system being modeled is assumed to be a Markov process with unobserved (*hidden*) states. An HMM can be considered as the simplest dynamic Bayesian network.



Probabilistic parameters of a hidden Markov model (example)

x — states

y — possible observations

a — state transition probabilities

b — output probabilities