inputs: X, the query variable

533

hn, a Bayesian network

e, observed values for variables E

in \mathbf{x}

Figure 14.14 The rejection-sampling algorithm for answering queries given evidence in a Bayesian network.

function REJECTION-SAMPLING (X, \mathbf{e}, bn, N) **returns** an estimate of $\mathbf{P}(X|\mathbf{e})$