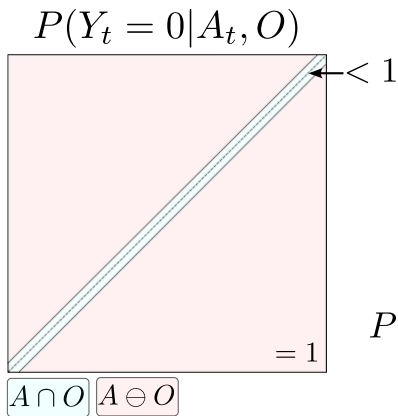
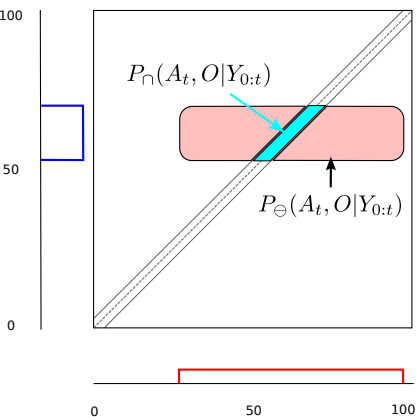
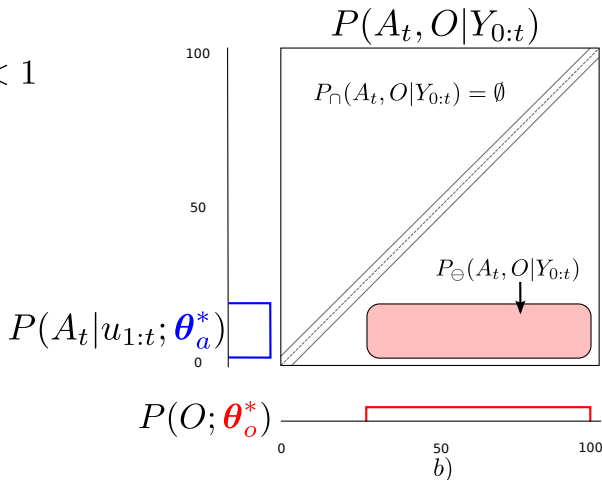


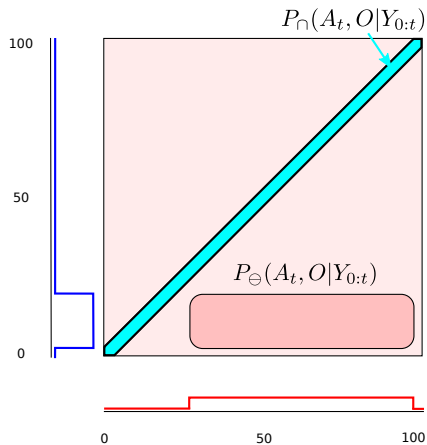
$$P(A_t, O|Y_{0:t}) = P_{\cap}(A_t, O|Y_{0:t}) + P_{\ominus}(A_t, O|Y_{0:t})$$



a)



c)



d)