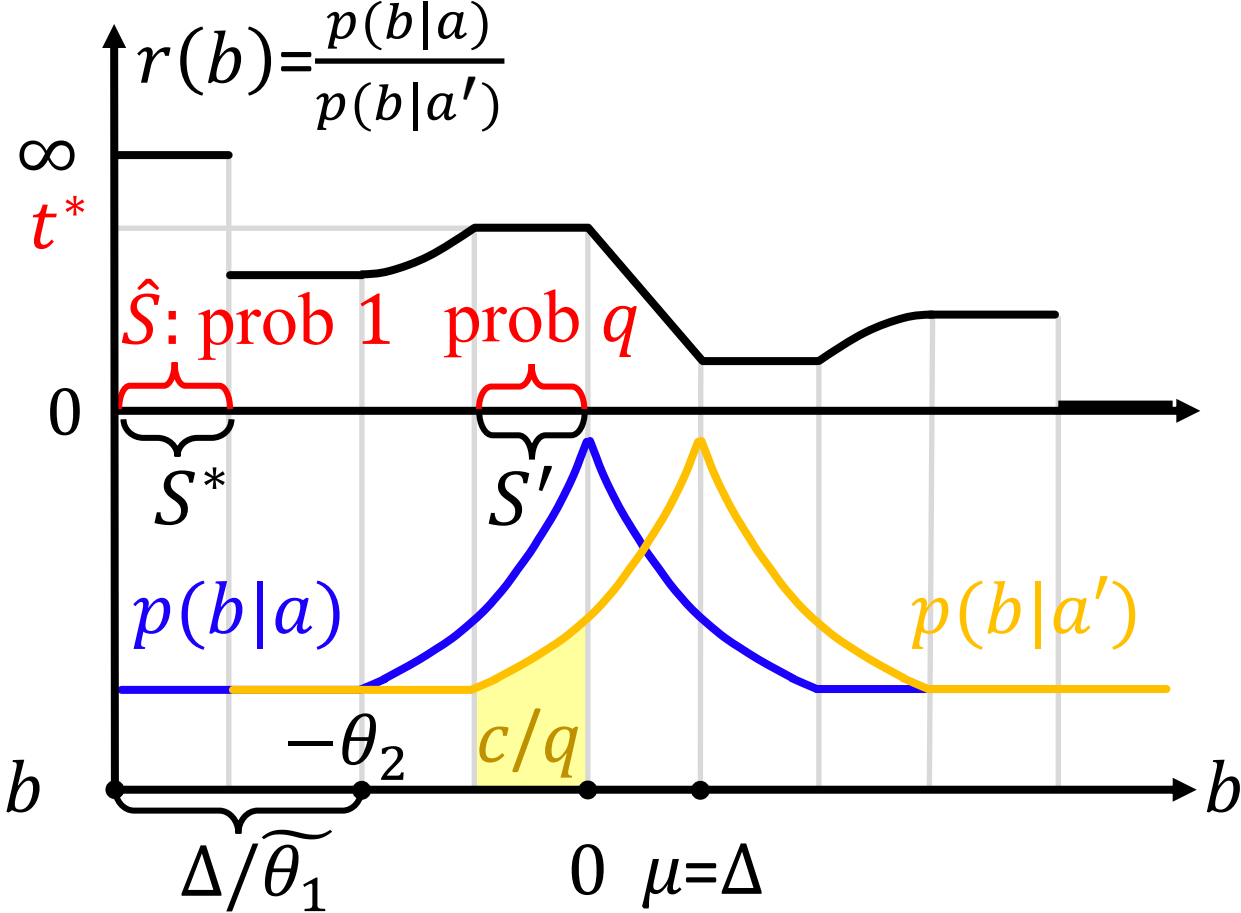


(a)  $\widetilde{\theta}_1 > 1$



(b)  $\widetilde{\theta}_1 \leq 1$