

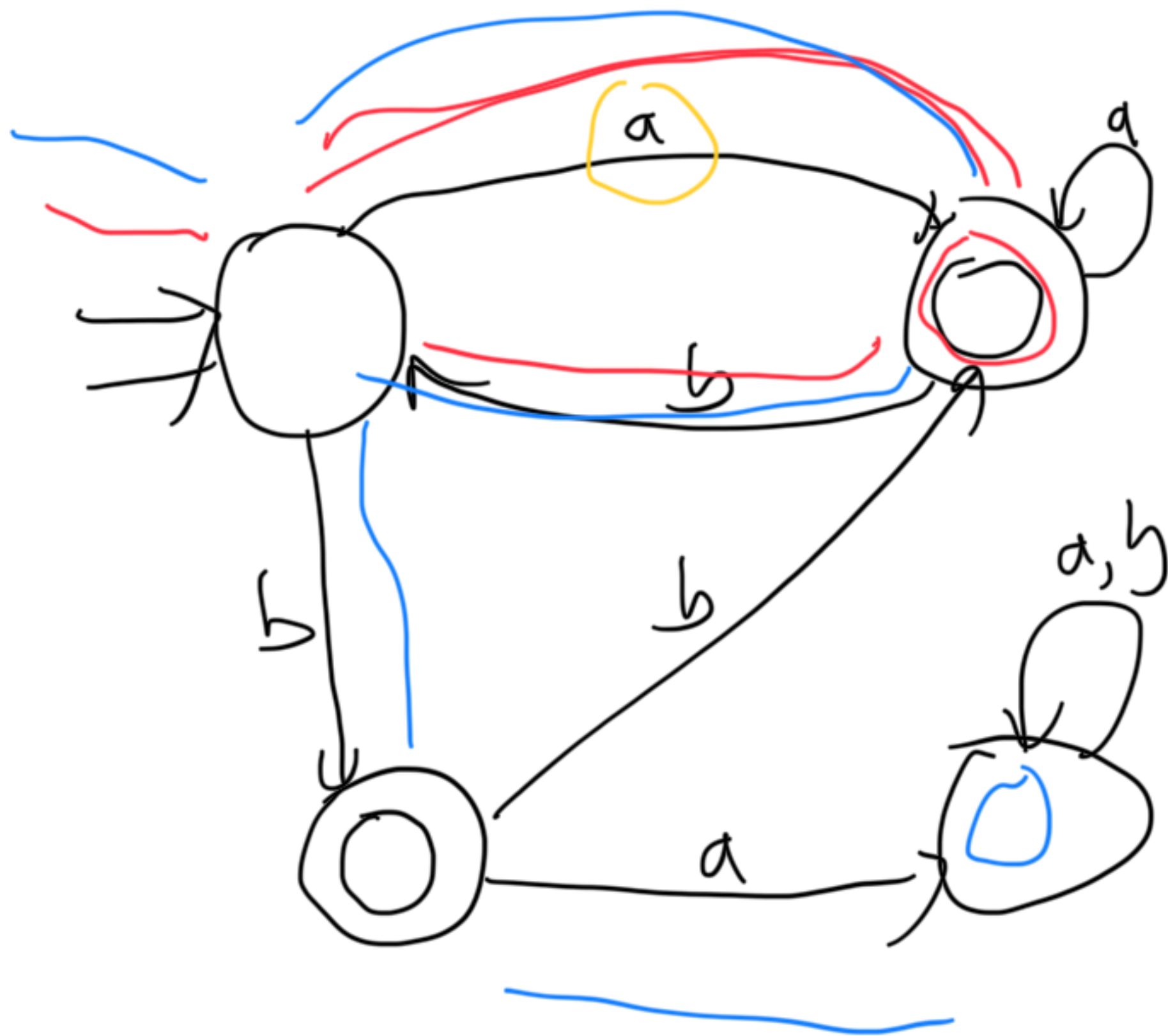
$$\mu = E(X) = \sum_{x \in X} x p(x)$$

$$\text{Var}(X) = E(X^2) - (E(X))^2$$

$$\begin{aligned} \text{raw moment} &= E(X^n) \\ \text{central moment} &= E((X - \mu)^n) \end{aligned}$$

$$H(X) = - \sum_{x \in X} p(x) \log_2 p(x)$$

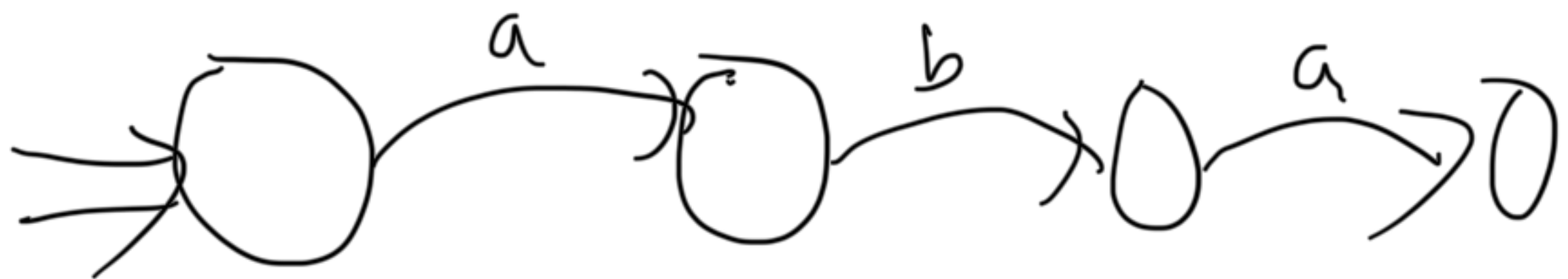
entropy



$$\Sigma = \{a, b\}$$

$ab a$ ✓

$ab b a$ ✗



ab a



ab a b

