$$\begin{cases} \vdots \\ \{0,1\}^* \cup \\ \{\bot\} \\ C : \\ \{0,1\}^* \cup \\ \{\bot\} \\ C : \\ \{0,1\}^* \cup \\ \{\bot\} \\ S \ge 0 \end{cases}$$

$$\Pr\left[ |C(x)| \le \log |\Omega| - s \right] \le 2^{-s}.$$

$$|\bot| = \begin{cases} C(x) \le \log |\Omega| - s \\ C(x) \le \log |\Omega| - s \\ C(x) \end{cases}$$

$$k = \log |\Omega| - \frac{s}{N}$$

$$C(x)$$

$$k = \log |\alpha| - \frac{s}{N}$$

$$C(x)$$

$$C(x)$$

$$k = \log |\alpha| - \frac{s}{N}$$

$$C(x)$$

$$C(x)$$