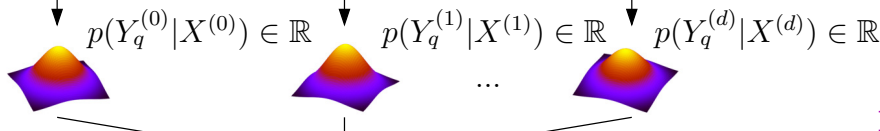
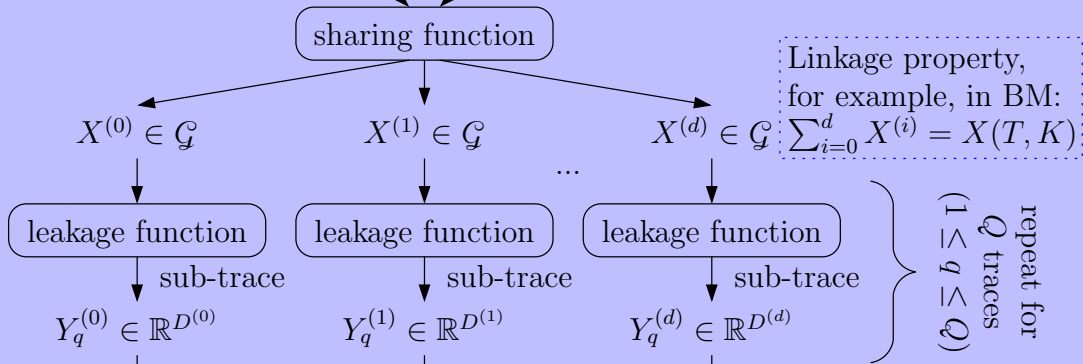


sensitive info: $X(T, K) \in \mathcal{G}$ masks $M_i \in \mathcal{G}$, for $1 \leq i \leq d$

**Masked
device**



**Offline
profiling**

convolution product $\otimes : \mathcal{G} \rightarrow \mathbb{R}$

On-line attack

distinguisher \mathcal{D}_{opt}^d : $\hat{K} = \arg \max_{K \in \mathcal{G}} \sum_{q=1}^Q \log (\otimes_{i=0}^d p(Y_q^{(i)} | \cdot) (X(t_q, K)))$