Security: (t-1 Shares leak nothing about m) joint distribution of t-1 shares (in Zpt-1) eg: given f(1), ..., f(t-1) for any candidate f(0) there is 1 + consistent (Similar to: given OTP ctxt c for any candidate ptxt m there is 1 key that is consistent) Sofar: Security = 11's IMPOSSIBLE to distinguish 2 libraries What if: Security = distinguishing 2 libs is REALLY HARD $\frac{1}{\text{needle} \leftarrow \{0,13\}}$ haystack(x): return false haystack (x): return x = needle possible in principle to distinguish, but very hard