

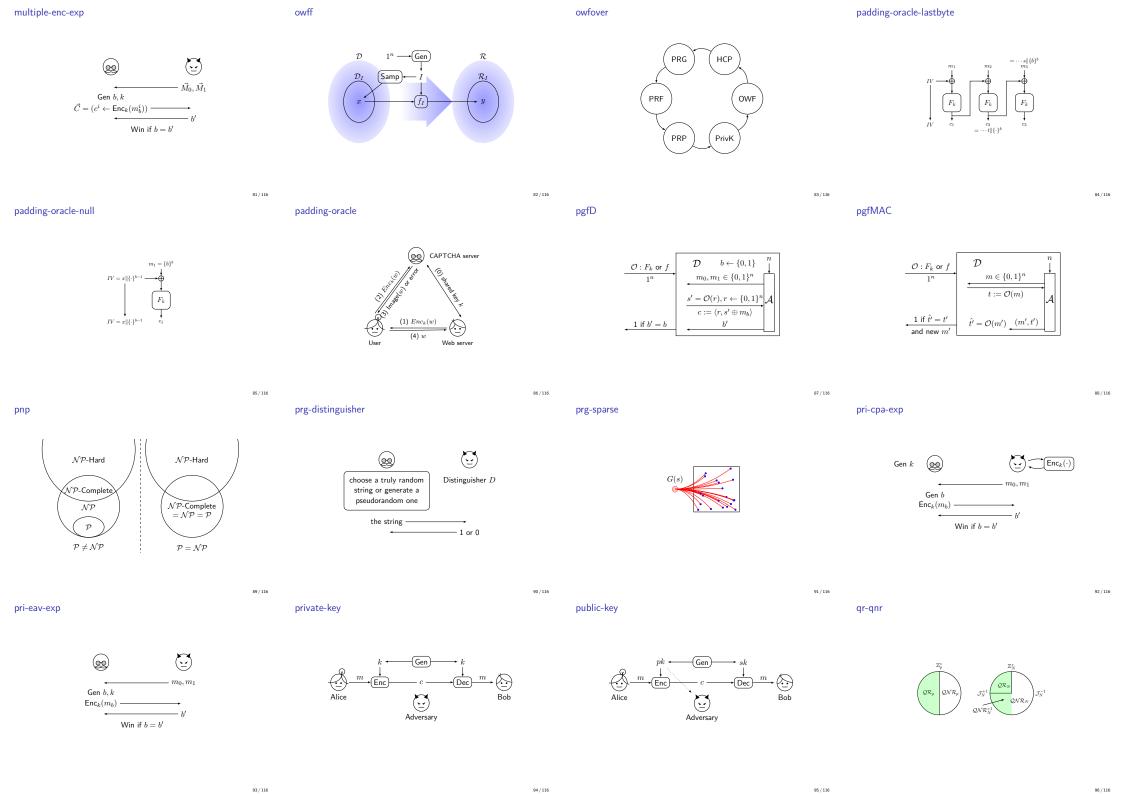
- $\operatorname{Enc}_{pk_B}(\operatorname{Dec}_{sk_E}(c_A))$ -- $\operatorname{Enc}_{pk_A}(\operatorname{Dec}_{sk_E}(c_B))$ -

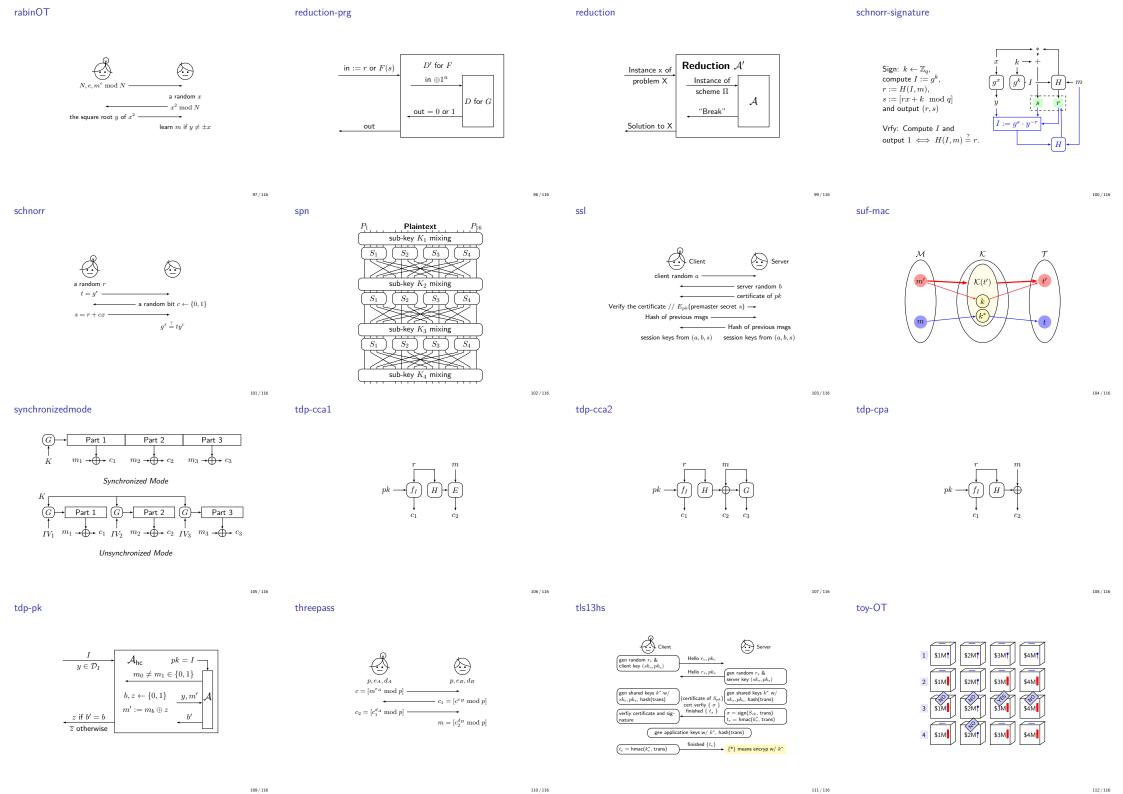
 $c_A = \mathsf{Enc}_{pk_E}(m_A)$

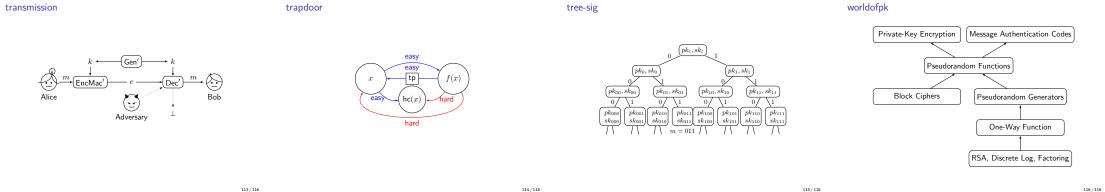
 $m_B = \mathsf{Dec}_{pk_A}(c_B)$

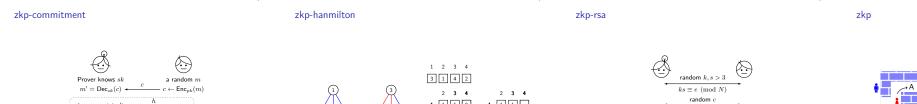
Win if $\mathrm{Vrfy}_k(m,t)=1\,\wedge\,m\notin\mathcal{Q}$

 $c_B = \mathsf{Enc}_{pk_E}(m_B)$









(2) A Relabeled Graph (3) Committed Boxes

 $m \stackrel{?}{=} m' \stackrel{\longleftarrow}{\longleftarrow}$ If No, stop;

 \longrightarrow Accept if m = m'