

Adversary B	virtual A
► m_1, \dots, m_ℓ	select m_1, \dots, m_ℓ
► $pk, \sigma_1, \dots, \sigma_\ell$	
sample $a \in \{0, 1\}^k$	
sample $b \in \{0, 1\}^k \setminus \{a\}$	
$pk' := pk \ a \ b$	
for $i = 1 \dots \ell$:	
if $m_i = a$ then fail	
else $\sigma'_i := \sigma_i \ 0$	
	► pk'
	► $\sigma'_1, \dots, \sigma'_\ell$
► (m, σ')	forge (m, σ')
unpack $\sigma' =: \sigma \ \eta$	