

$C$

►  $A.m_1, \dots, A.m_q$

$(pk, sk) := \text{gen}(1^k)$

**for**  $i = 1 \dots q$ :

$\sigma_i := \text{sgn}(sk, A.m_i)$

►  $A.m, A.\sigma$

**return**  $\text{vrf}(pk, A.m, A.\sigma)$

$A$

select  $m_1, \dots, m_q$

►  $C.pk$

►  $C.\sigma_1, \dots, C.\sigma_q$

forge  $(m, \sigma)$