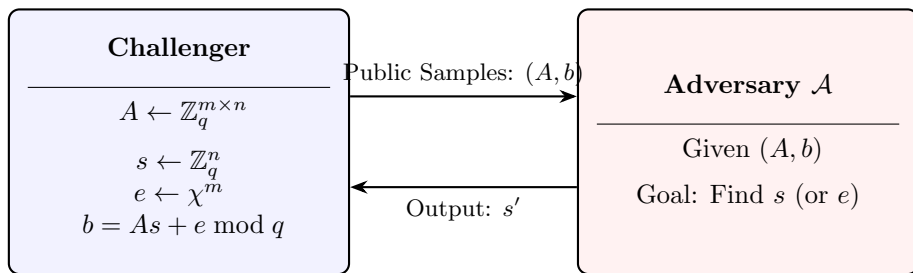
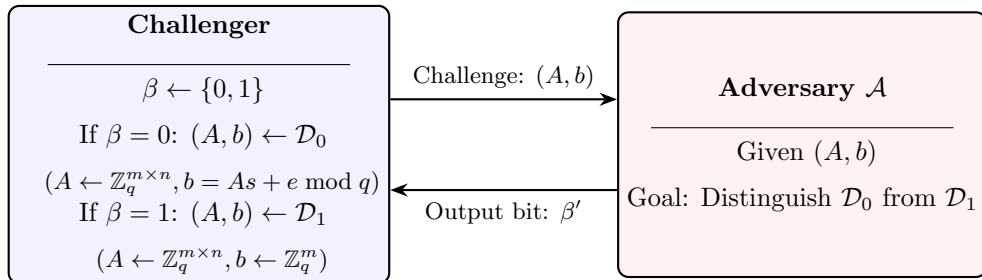


Definition: Search-LWE



Win condition: $s' = s$

Definition: Decision-LWE



Advantage: $|\Pr[\beta' = 1 \mid \beta = 0] - \Pr[\beta' = 1 \mid \beta = 1]|$