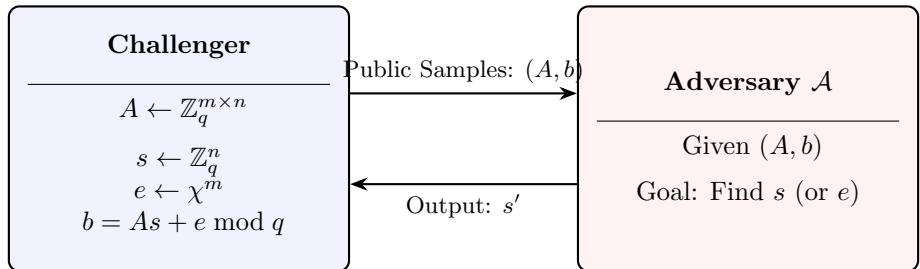
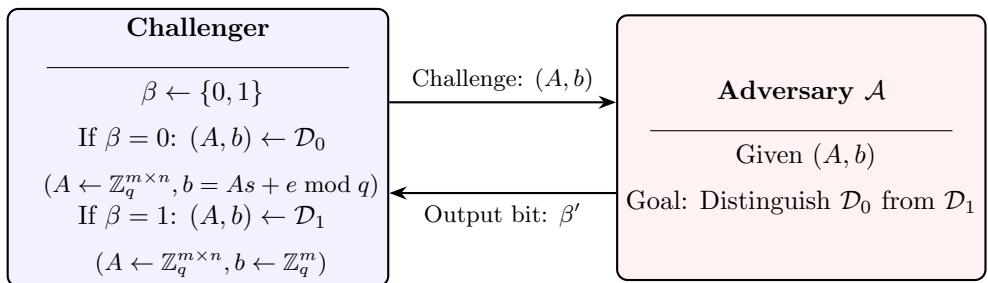


## Definition: Search-LWE



Win condition:  $s' = s$

## Definition: Decision-LWE



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