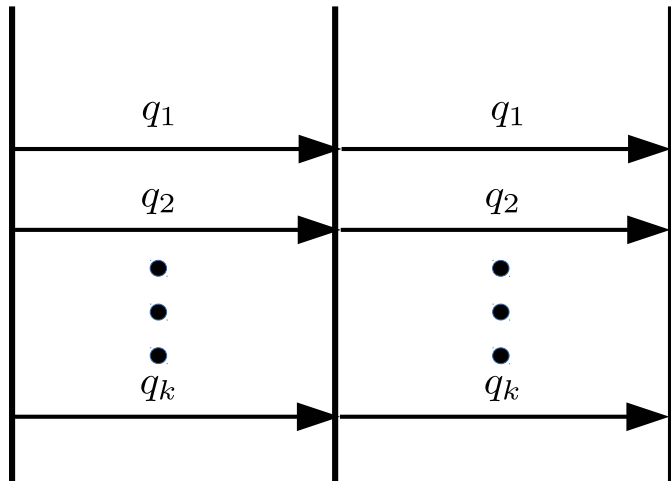


FUE

SN

HN

Pseudonym States



if $\exists y$ such that $q_i = P'_y$ then P'_y, P''_y
 if $\exists z$ such that $q_i = P''_z$ then P''_z, P'''_z
 The user z 's state in UE: P_z, P'_z