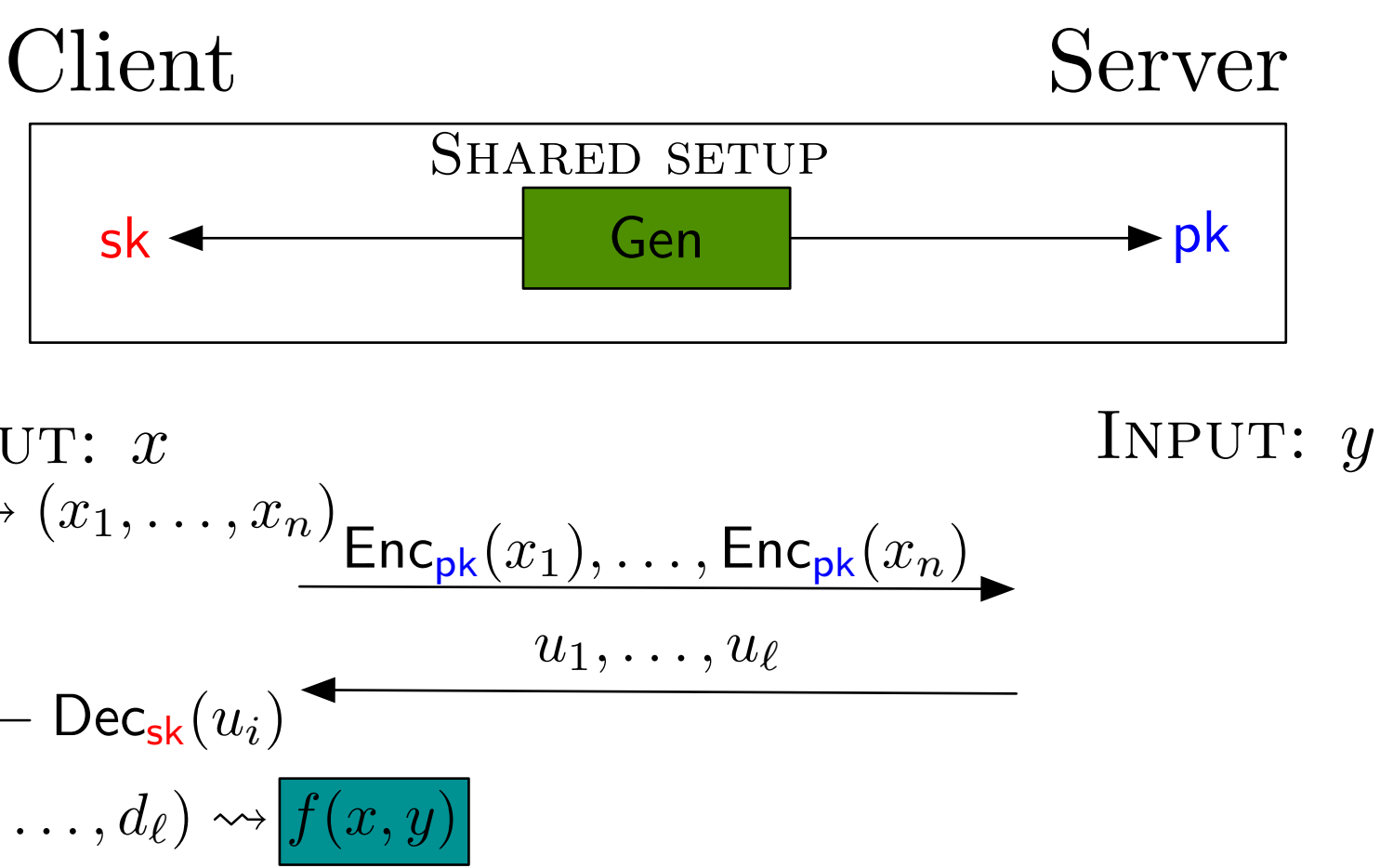
Client
Server
Shared setup
sk
Gen
pk
Input: x
Input: y
$x \rightsquigarrow (x_1, \ldots, x_n)$
$\mathsf{Enc}_{\mathsf{pk}}(x_1), \ldots, \mathsf{Enc}_{\mathsf{pk}}(x_n)$
$u_1, \ldots, u_\ell$
$d_i \leftarrow \mathsf{Dec}_{\mathsf{sk}}(u_i)$
$(d_1, \ldots, d_\ell) \rightsquigarrow f(x, y)$