

$e_A$  = Public key of A  
 $d_B$  = Private key of A

$g : \{0, 1\}^* \rightarrow \{0, 1\}^l$   
 $f : \{0, 1\}^* \rightarrow \{0, 1\}^l$   
 where  $l$  is the key length

