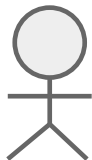
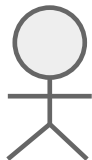


Alice



(owns private x)

Bob



(owns private function f)

Encrypts x

1



Sends Encrypt(x)

2



Applies f

3



$f(\text{Encrypt}(x)) = \text{Encrypt}(f(x))$
(homomorphic property)

Sends back Encrypt($f(x)$)

4



Decrypts, yields $f(x)$

5

