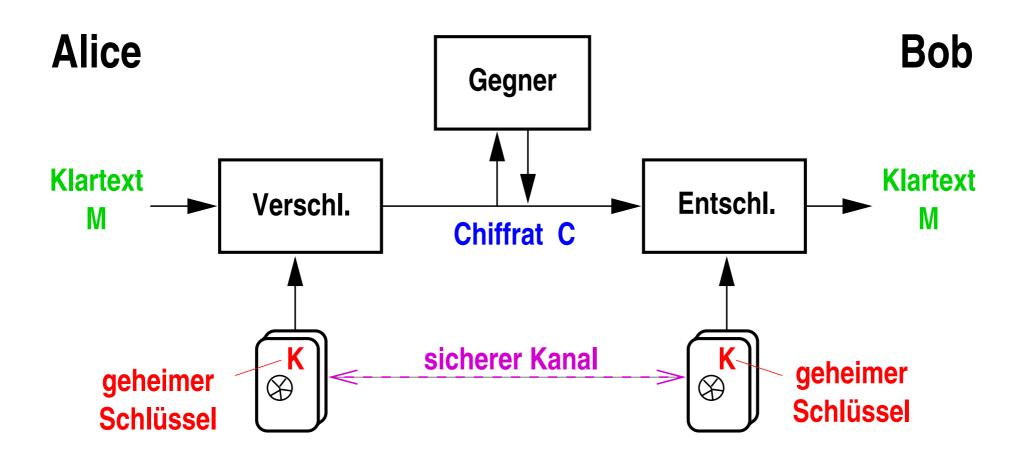
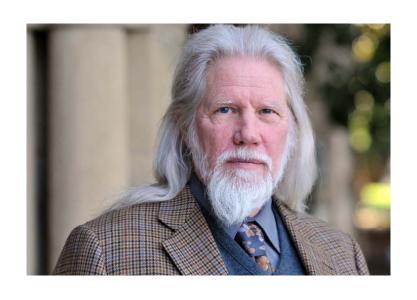
Verschlüsselungssystem





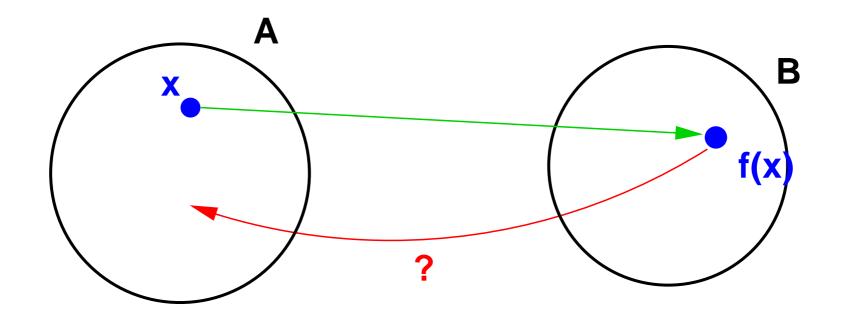
Whitfield Diffie (*1944)



Martin Hellman (*1945)

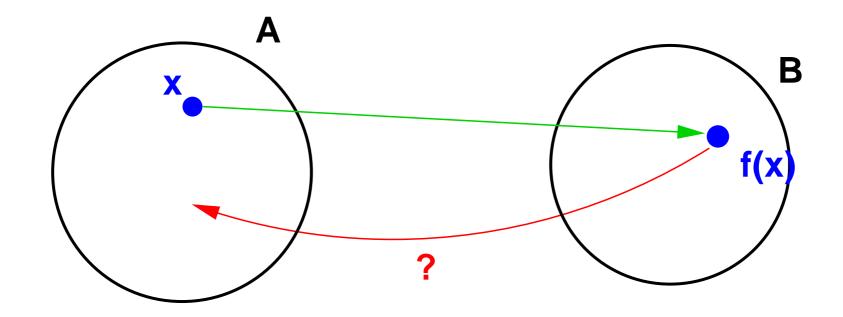
Erfinder der Public-key Kryptographie

Einwegfunktion f



f(x) ist einfach berechenbar für jedes x.

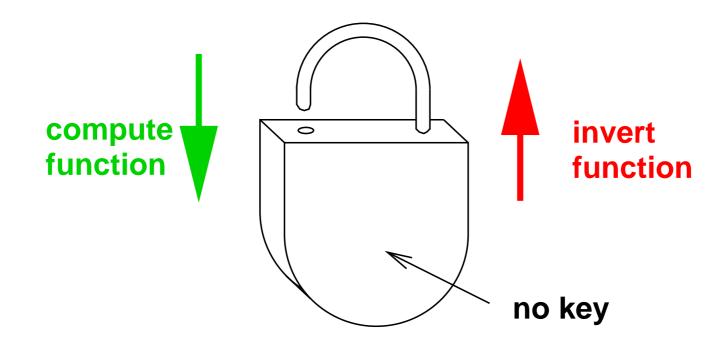
Einwegfunktion f



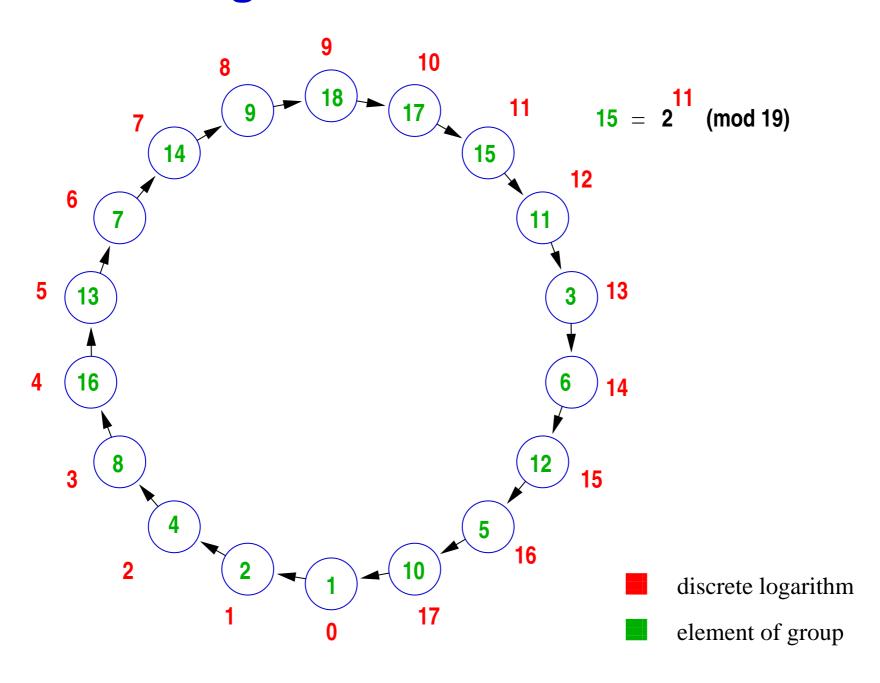
f(x) ist einfach berechenbar für jedes x.

Für zufälliges y ist es berechenmässig zu schwierig, ein x mit f(x) = y zu finden.

Einwegfunktion: Mechanisches Analogon

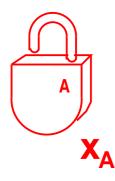


Potenzierung modulo 19

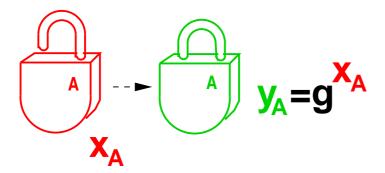


Alice Bob insecure channel

Alice Bob insecure channel

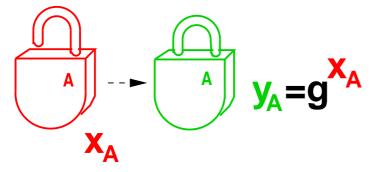


Alice Bob insecure channel



Alice

insecure channel



Bob

