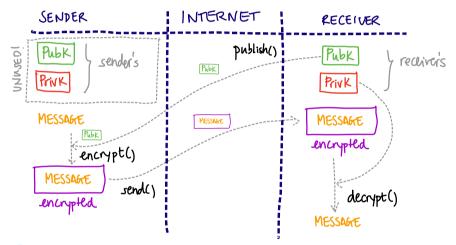
## ASYMMETRIC CRYPTO GRAPHY: PRIVATE + PUBLIC KEYS

In asymmetric cryptography, each wer has always 2 keys:

- Private key: never published, always kept secret. Privk
- Public key: always published; it is obtained from the private key, but the private key cannot be obtained from the public key. Pubk
- 1) USE CASE: ENCRYPTION: Protect the content of a message from reading

Sender encrypts MESSAGE with Pubk of the receiver. Receiver decrypts MESSAGE with ther Privk.



2) USE CASE: DIGITAL SIGNATURES: Validate the anthorship/anthority of a massage and the integrity of its content

Sender creates a signature of their MESSAGE using their Privil

Receiver verifies that the MESSAGE comes unaltered from the sender with senders Public

