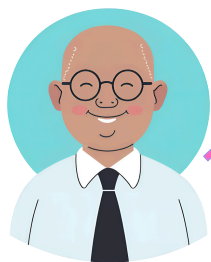


Public - Private Key



Mr. Dee



SK Secret Key

PU Public Key

PR Private Key



Serge



PU



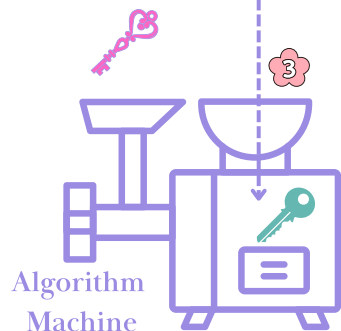
PR



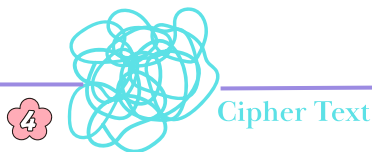
PU



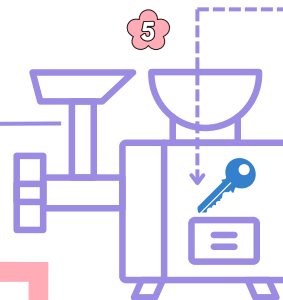
How Does Serge Get a Copy of the Single Key from Mr. Dee?



Algorithm Machine



Cipher Text



Algorithm Machine

1

Serge generates a key pair: a public key and a private key.

2

The public key is shared openly by email, while the private key is stored securely on the Serge's device

3

Mr. Dee obtains the Serge's public key and uses it to encrypt the message.

4

After encryption, Mr. Dee transmits this ciphertext to the Serge.

5

Upon receiving the encrypted message, Serge uses his private key to decrypt it.

6

Serge obtains the SECRET key



SK



PU

PR