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"""Abstract class for RC4."""

class RC4(object):

def \_\_init\_\_(self, keyBytes, implementation):

if len(keyBytes) < 16 or len(keyBytes) > 256:

raise ValueError()

self.isBlockCipher = False

self.name = "rc4"

self.implementation = implementation

def encrypt(self, plaintext):

raise NotImplementedError()

def decrypt(self, ciphertext):

raise NotImplementedError()