

Lab3

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```
def gamma(istr, key):
    output = ""
    for i in range(0, len(istr)):
        output += chr(ord(istr[i]) ^ ord(key[i]))
    return output
```

. 1:

```
gamma-cipher2.py - C:/Users/Ilya/Documents/gamma-cipher2.py (3.10.1)
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def gamma(istr, key):
    output = ""
    for i in range(0, len(istr)):
        output += chr(ord(istr[i]) ^ ord(key[i]))
    return output

text1 = "C Новым годом!"
text2 = "S Novym Godom."
key = "ABCDEFGHIJKLMN"

cipher1 = gamma(text1, key)
cipher2 = gamma(text2, key)

print(cipher1)
print(cipher2)

print(gamma(cipher1, key))
print(gamma(cipher2, key))

print(gamma(gamma(cipher2, cipher1), text2))
print(gamma(gamma(cipher2, cipher1)))

Ln: 23 Col: 0
```

. 2:

```
===== RESTART: C:/Users/Ilya/Documents/gamma-cipher2.py =====
C Новым годом!
S Novym Godom.
C Новым годом!
S Novym Godom.
```

. 3: