

```
would you like to encrypt or decrypt a message?
press 1 for encrypt, 2 for decrypt.
2

enter block size: 4

enter message to encrypt.
all characters must be letters:
iaprettaaktc

enter original permutation of the set.
permutation must be in the set from [1 to 4].
o(1) = 3
o(2) = 1
o(3) = 4
o(4) = 2

inverse of the permutation:
o-1(3): 1
o-1(1): 2
o-1(4): 3
o-1(2): 4

DECRYPTED MESSAGE:

PIRATEATTACK

enter 'y' to continue.
n
renzgabrino@Ralphs-MBP lab9 %
```

```
renzgabrinao@Ralphs-MBP lab9 % python3 RenzGabrinao-lab9.py
```

```
--  
would you like to encrypt or decrypt a message?  
press 1 for encrypt, 2 for decrypt.
```

```
2
```

```
--  
enter block size: 5
```

```
--  
enter message to encrypt.  
all characters must be letters:  
ITSTEBALNG
```

```
--  
enter original permutation of the set.  
permutation must be in the set from [1 to 5].
```

```
o(1) = 4
```

```
o(2) = 5
```

```
o(3) = 3
```

```
o(4) = 2
```

```
o(5) = 1
```

```
--  
inverse of the permutation:
```

```
o-1(4): 1
```

```
o-1(5): 2
```

```
o-1(3): 3
```

```
o-1(2): 4
```

```
o-1(1): 5
```

```
--  
DECRYPTED MESSAGE:
```

```
TESTINGLAB
```

```
--  
enter 'y' to continue.
```

```
█
```