```
m = keyword length
omega = list of m strings
priority = list of m integers
```

the priority list represents the priority order of the omega strings.

if priority[0] = 3, then omega[3] string has the highest priority.

if priority[m-1] = 1, then omega[1] string has the lowest priority.

keyword = "caba"

keyword	С	а	b	а
---------	---	---	---	---

sorted keyword	а	а	b	С
index	0	1	2	3

priority	3	0	2	1
----------	---	---	---	---

Encoding

plaintext = "moon and sun"
keyword = "caba"
priority = [3, 0, 2, 1]

omega[3]	omega[0]	omega[2]	omega[1]
М	0	0	N
А	N	D	S
U	N		

Decoding

ciphertext = "ONNNSODMAU"

keyword = "caba"

priority = [3, 0, 2, 1]

n = (ciphertext length) // m = 2

r = (ciphertext length) % m = 2

omega[0]	omega[1]	omega[2]	omega[3]
0	N	0	M
N	S	D	А
N			U

plaintext = M O O N A N D S U N