ciphertext = ONNNSODMAU
keyword = “caba”
priority = [3, 0, 2, 1]
omega = [“”, “”, “”, “”]

m = length(keyword) = 4
t = length(ciphertext) = 10
n = t // m = 10 // 4 = floor(2.5) = 2
endpoint = t % m = 10 % 4 = 2

first 2 (*endpoint* value) strings in priority order will have *n+1* chars
the rest will have *n* chars

```
start = 0
for i in range(m):

      extra = (index of i in priority list) < endpoint
      extra is a boolen variable, True = 1, False = 0

      end = start + n + extra

      omega[i] = ciphertext[start:end]
      omega[i] will be ciphertext chars from index start to end-1

      start = end
```

i	start	extra	end	ciphertext [start:end]	omega[i]
0	0	true	0+2+1=3	“ONN”	“ONN”
1	3	false	3+2+0=5	“NS”	“NS”
2	5	false	5+2+0=7	“OD”	“OD”
3	7	true	7+2+1=10	“MAU”	“MAU”

To get the plaintext, loop throw the omega strings in priority order
in each loop read just one char
the loops keeps going till you read all chars in all strings
plaintext = “MOONANDSUN”