```
plaintext = "moon and sun" = "MOONANDSUN"
keyword = "caba"
m = 4
omega = ["", "", "", ""]
priority = [3, 0, 2, 1]


we will have (plaintext length) iterations:

    iteration #1: i=0, plaintext[0]="M", 0%4=0, priority[0]=3, omega[3] += "M"
        omega[0] = ""
        omega[1] = ""
        omega[2] = ""
        omega[3] = "" + "M"

    iteration #1: i=1, plaintext[1]="O", 1%4=1, priority[1]=0, omega[0] += "O"
        omega[0] = "" + "O"
        omega[1] = ""
        omega[2] = ""
        omega[3] = "M"

    iteration #3: i=2, plaintext[2]="O", 2%4=2, priority[2]=2, omega[2] += "O"
        omega[0] = "O"
        omega[1] = ""
        omega[2] = "" + "O"
        omega[3] = "M"

    iteration #4: i=3, plaintext[3]="N", 3%4=3, priority[3]=1, omega[1] += "N"
        omega[0] = "O"
        omega[1] = "" + "N"
        omega[2] = "O"
        omega[3] = "M"

    iteration #10: i=9, plaintext[9]="N", 9%4=1, priority[1]=0, omega[0] += "N"
        omega[0] = "ON" + "N"
        omega[1] = "NS"
        omega[2] = "OD"
        omega[3] = "MAU"


ciphertext = omega[0] + omega[1] + omega[2] + omega[3]
           = "ONN" + "NS" + "OD" + "MAU"
           = "ONNNSODMAU"
```