

"" K-mer, con K = 1
 Frecuencia K * Frecuencia
 = Caomero mas
 repetido ""

word = input("Por favor ingrese una palabra: ")

word = "10111111000001011110" -> length: 20
 particle => frequency

counter = {}

particle => step

highest = ("", 0)
 L = len(word)

for k in range(1, L + 1)

End for

End for

for x in range(0, L - k + 1)

print(highest)

particle = word[x : x + k]

Yes

particle in counter ?

No

for y in range(0, L - k + 1)

End for

stepped_particle = word[y : y + k]

print("Step: " + str(k) + "
 | Particle: " + particle + "
 | Frequency: " + str(counter[particle]) + "
 | Result: " + str(counter[particle] * k))

not particle in counter ?

No

counter[particle] = 0

particle == stepped_particle ?

Yes

counter[particle] += 1

(len(highest[0]) < 1) or
 ((counter[particle] * k)
 > (counter[highest[0]] * highest[1])) ?

Yes

highest = (particle, k)