/\*This program counts the frequency of occurrences of different amino acids in a given sequence

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import array as arr

from asyncio.windows\_events import NULL

// The given sequence

a='''ATGAGTGATCGTCAGGCAGCCTTAGATATGGCTCTTAAACAAATAGAAAAACAGTTCGGCAAAGGTTCCATTATGAAACTGGGAGAAAAGACAGATACAAGAATTTCTACTGTACCAAGCGGCTCCCTCGCTCTTGATACAGCACTGGGAATTGGCGGATATCCTCGCGGACGGATTATTGAAGTATACGGTCCTGAAAGCTCAGGTAAAACAACTGTGGCGCTTCATGCGATTGCTGAAGTTCAGCAGCAGGGCGGACAAGCCGCGTTTATCGATGCGGAGCATGCGTTAGATCCGGTATACGCGCAAAAGCTCGGTGTTAACATCGAAGAGCTTTTACTGTCTCAGCCTGACACAGGCGAGCAGGCGCTTGAAATTGCGGAAGCATTGGTTCGAAGCGGGGCAGTTGACATTGTCGTTGTCGACTCTGTAGCCGCTCTCGTTCCGAAAGCGGAAATTGAAGGCGACATGGGAGATTCGCATGTCGGTTTACAAGCACGCTTAATGTCTCAAGCGCTTCGTAAGCTTTCAGGGGCCATTAACAAATCGAAGACAATCGCGATTTTCATTAACCAAATTCGTGAAAAAGTCGGTGTTATGTTCGGGAACCCGGAAACAACACCTGGCGGCCGTGCGTTGAAATTCTATTCTTCCGTGCGTCTTGAAGTGCGCCGTGCTGAACAGCTGAAACAAGGCAACGACGTAATGGGGAACAAAACGAAAATCAAAGTCGTGAAAAACAAGGTGGCTCCGCCGTTCCGTACAGCCGAGGTTGACATTATGTACGGAGAAGGCATTTCAAAAGAAGGCGAAATCATTGATCTAGGAACTGAACTTGATATCGTGCAAAAAAGCGGTTCATGGTACTCTTATGAAGAAGAGCGTCTTGGCCAAGGCCGTGAAAATGCAAAACAATTCCTGAAAGAAAATAAAGATATCATGCTGATGATCCAGGAGCAAATTCGCGAACATTACGGCTTGGATAATAACGGAGTAGTGCAGCAGCAAGCTGAAGAGACACAAGAAGAACTCGAATTTGAAGAATAA'''

list=[]

n=3

for i in range (0,len(a),n):

list.append(a[i:i+n])

print(list)

#'ATT' USED AS EXAMPLE

s=list.count("ATT")

print(s)