```
time = -7km - 7kn - 7k + 10m^2 + 10mn + 13m + 4n + 8
                                                                                                           +
                                                                                                                                                                                                                                                         (n + m + 1)
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                                                                                                                                                          m
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U
                                                                                                                                                                                                                                             m)
                                                                                   m)
                                  \dashv \dashv \dashv
                                              ##
                                                                                                                                                                                                                                                                                                                   beg = ((j - m) % (n - 1)) + 1 + error_cor
                                                                      # Construit une table de programmation dynamique vide
                                                                                                                                             # remplit un tableau de programmation dynamique vide
 Ħ
                                                                                                                                                                                                                                                       for j in range(n + m + 1):
    if table[i][j]>=i and table[i+1][j+1]<i+1:</pre>
 Ħ
                                                                                                                                                                                                                                                                                                                               end = (j % (n - 1)) + 1 + error cor
1 # table de programmation dynamique, complexite: 0(
                                                                                                                                                                                                                    # trouve les séquences correspondantes dans la
                                                                                                                                                                                                                                                                                           # déplace la cles pour le erreurs
                                                                                                                                                                                            table[j][i] = 1 + table[j-1][i-1]
                                                                                                                                                                    for j in range(1, m + 1):
   if T[(i-1) % n] == P[j-1]:
                                                                                                                                                                                                                                 # table de programmation dynamique
                                                                                                                                                                                                                                                                                                                                                       results.append(temp)
                                                                                                         for j in range (n + m + 1):
                                                                                                                                                        for i in range(1, n + m + 1):
                                                                                                                                                                                                                                            for i in range (m - k, m + 1):
                                                                                                                                                                                                                                                                                                                                           temp = [beg, end]
                                                                                                                                                                                                                                                                                                       error\_cor = (m-i)
                                                                                  for i in range (m + 1 + 1):
                                                                                                                    table[i].append(0)
                                                                                                                                                                                                                                                                                print ('found')
        table.append([0])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .
เก
                                                                                                                                                                                                                                                                                                                                                                                          for i in table:
                                                                                                                                                                                                                                                                                                                                                                                                                                          return results
                                                                                                                                                                                                                                                                                                                                                                                                                             print (results)
                                                                                                                                                                                                                                                                                                                                                                                                       print(i)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              P = ['A', 'A']
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #unit testing
```

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File - C:\Users\Sean Grogan\Dropbox\Programming\Python\TOOLBOX\CIRCULAR.py	T = ['G', 'A', 'T', 'A', 'A', 'B', 'T', 'A', 'A'] k = 1 positions(P, T, k)
	- - 5-
	'. A .
	' A '
	. (A E. (X
	(P, T
	41 T = ['G', 'A', 'T' 42 k = 1 43 positions(P, T, k)
	1 T T T S X D X D X I I I I I I I I I I I I I I I
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