CODE CHALLENGE: Solve the Clump Finding Problem (restated below). You will need to make sure that y algorithm is efficient enough to handle a large dataset.

Clump Finding Problem: *Find patterns forming clumps in a string.*

 Input: A string *Genome*, and integers *k*, *L*, and *t*.

 Output: All distinct *k*-mers forming (*L*, *t*)-clumps in *Genome*.

Sample Input:

CGGACTCGACAGATGTGAAGAACGACAATGTGAAGACTCGACACGACAGAGTGAAGAGAAGAGGAAACATTGTAA

5 50 4

Sample Output:

CGACA GAAGA

Extra Dataset