

# Sequence Support

Your goal here is to write a program that obtains the support of a list of sequences, in a sequence database.

The program should take as input the following two files:

- FILE1: A list of sequences (one per line) that comprise the dataset. See the file: [sequencedb.txt](#). Lines beginning with '>' are comments, but serve to demarcate one sequence from the next. You may assume that the alphabet will remain  $\Sigma = \{A, C, G, T\}$ .
- FILE2: A list of substrings (one per line), i.e., consecutive subsequences, whose supports have to be computed. See the file: [seqin.txt](#).

Your program should output for each sequence in FILE2 the following info:

sequence - support

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