Alien DNA Challenge

Team 1G3M

Quick Overview

- One great big massive 'master string', up to 10,000,000 characters long
- 5 Files, each containing a different 'rearrangement' of the string
 - The BC_digest contains many many substrings, all (bar one) ending in BC
 - These substrings are then stored in a list, and randomly jumbled about
 - Cuts at BC, DE, DFAD, EDA, ABB
- We have to reconstruct the master string, using only the 5 rearrangements
 - Whichever team works out the biggest chunk of the master string wins

How we solved it

Magic.

N=longest ending sequence check no. of possibilities gor adding a BC, DE, EDA and DFAD chromosome if any are zero, break * sead end if any are one and are not repeats:

add it and loop again While n <100,000: -it all of Them >- 2: too each possibility: remove the chromosome from the list add it to 1 Recurse the function

Any questions?