

Encrypting Intervals

The task given is to assess the strength of an encryption algorithm by testing the pairs of relatively prime numbers. We have to take in two lines that define the lower and upper bounds for two sets of numbers. Then find pairs between those sets to and count the number of relatively prime pairs there are.

We can do this by creating a combination between every single possible pair and then testing if the greatest common denominator is equal to 1, if it is then we count that pair. We do this until we have tried all the combinations and then we output the count.