Deepak and Gautam are having a discussion on a new type of number that they call Coding Number or CB Number. They use following criteria to define a CB Number.

1. 0 and 1 are not a CB number.

2. 2,3,5,7,11,13,17,19,23,29 are CB numbers.

3. Any number not divisible by the numbers in point 2(Given above) are also CB numbers.

Deepak said he loved CB numbers. Hearing it, Gautam throws a challenge to him.

Gautam will give Deepak a string of digits. Deepak's task is to find the number of CB numbers in the string.

CB number once detected should not be sub-string or super-string of any other CB number.

Ex- In 4991, both 499 and 991 are CB numbers but you can choose either 499 or 991, not both.

Further, the CB number formed can only be a sub-string of the string.

Ex - In **481**, you can not take **41** as CB number because 41 is not a sub-string of **481**.

