

```

public class problem8_seriesProduct {
    public static void main(String[] args) {
        String num =
"731671765313306249192251196744265747423553491949349698352031277450632623957831801698480186947885184385
8615607891129494954595017379583319528532088055111254069874715852386305071569329096329522744304355766896
6489504452445231617318564030987111217223831136222989342338030813533627661428280644448664523874930358907
2962904915604407723907138105158593079608667017242712188399879790879227492190169972088809377665727333001
0533678812202354218097512545405947522435258490771167055601360483958644670632441572215539753697817977846
1740649551492908625693219784686224828397224137565705605749026140797296865241453510047482166370484403199
8900088952434506585412275886668811642717147992444292823086346567481391912316282458617866458359124566529
4765456828489128831426076900422421902267105562632111110937054421750694165896040807198403850962455444362
9812309878799272442849091888458015616609791913387549920052406368991256071760605886116467109405077541002
25698315520005593572972571636269561882670428252483600823257530420752963450";

        long start_product = 1L;

        // create a for loop to section off substrings of length 13
        // use the .getNumericValue() method and the Character wrapper class
        // to convert String to int
        for (int i = 0; i < num.length() - 13; i++) {
            // reset the current product after every group of 13
            long curr_product = 1L;
            // use i+j since i increases by 1 every time so the starting
            // point of each group of 13 shifts over 1
            for (int j = 0; j < 13; j++) {
                curr_product *= Character.getNumericValue(num.charAt(i+j));
            }

            // only store the new product in the final variable if it
            // is bigger than the previous instance (to find the max)
            if (curr_product > start_product) {
                start_product = curr_product;
            }
        }

        System.out.println(start_product);
    }
}

```