```
def (FileName):
        read genome squences by using readlines() from txt
return genome squences
def prepareValidData(FileName):
        create new list to valid lines
        if( genome squences >= 2700 and 'N' not in squences)
                add genome sequences to valid lines list
def probes (fileName, probeLen):
        find valid genome squences with substract probelen-1 to 27000
        create dict
        create set to row check
        for (travel i in legth of valid data)
                clear row_check set in every row to check if you count same probe in same row
                for (travel in legth of genomeSquences)
                       if (validData not include in dict)
                                make valid data value equals one
                                add valid data to row_check set to control if you are on same line
                       elif ( validData not in row_check set)
                               increase value of validData in dictionary
                                add valid data to row_check set
        return dictionary, validData
__name__ == '__main__':
Find maximum value in dict
counter = 0 (counter is the)
for(travel in dictionary items)
        if (value of dictionary equals with max value)
                counter+=1
write the legth of the valid data, max value and counter to file
```

The number of Valid sequences	The number of sequences probe is found	Probe length	Time in seconds
5	16	2	0.9784250259399414
10	22378	90	1.363420009613037
100	6195	90	4.944784879684448
250	1289	90	11.269296884536743
500	464	90	21.49469780921936
1000	29	90	42.41370177268982
10	21931	100	1.3194384574890137
50	10584	100	2.8952949047088623
100	5323	100	5.712731838226318
250	888	100	11.303974866867065
500	319	100	22.74420738220215