

Graphics

March 26, 2018

```
In [155]: data = pd.read_csv("nsimb.csv")
```

```
In [156]: data.head()
```

```
Out[156]:
```

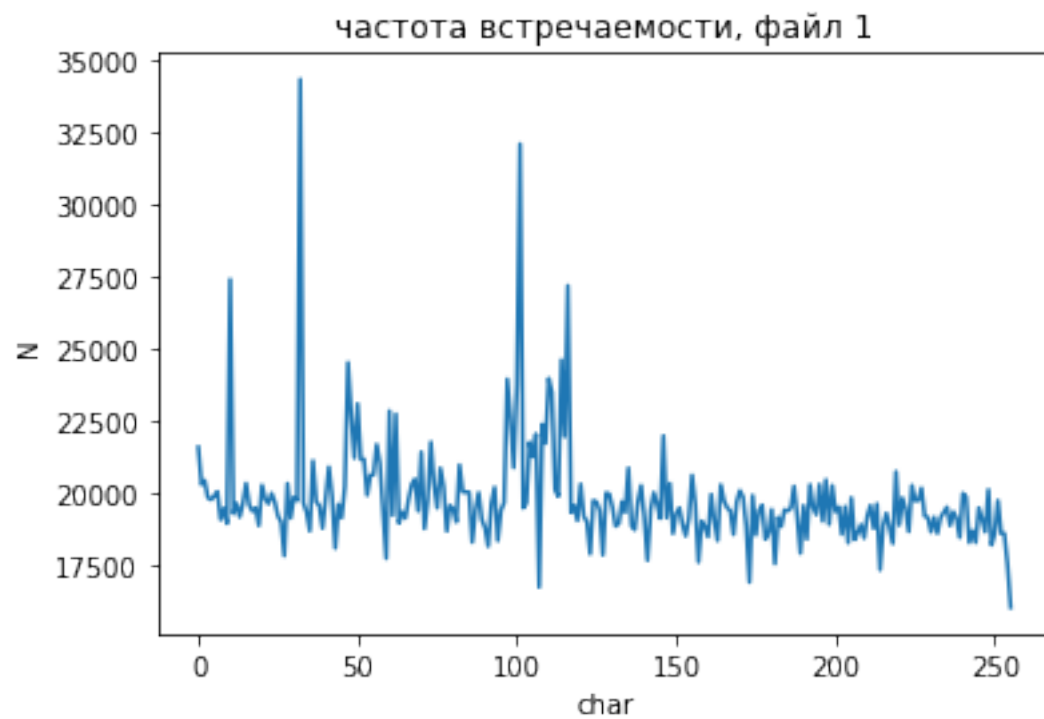
| | Unnamed: 0 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | \ |
|-----|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0 | 0 | 21615 | 20322 | 20462 | 19865 | 19801 | 19927 | 20070 | 19107 | 19492 | |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2 | 2 | 14937 | 683 | 372 | 537 | 2344 | 395 | 346 | 530 | 358 | |
| 3 | 3 | 3862 | 1540 | 1857 | 1060 | 2147 | 1103 | 914 | 1171 | 1935 | |
| 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ... | ... | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 |
| 0 | ... | 19123 | 18679 | 20143 | 18227 | 18627 | 19767 | 18625 | 18626 | 17565 | 16062 |
| 1 | ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | ... | 569 | 629 | 547 | 559 | 587 | 635 | 570 | 686 | 631 | 2014 |
| 3 | ... | 992 | 1064 | 1132 | 1099 | 1130 | 1050 | 1166 | 1021 | 1104 | 969 |
| 4 | ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

[5 rows x 257 columns]

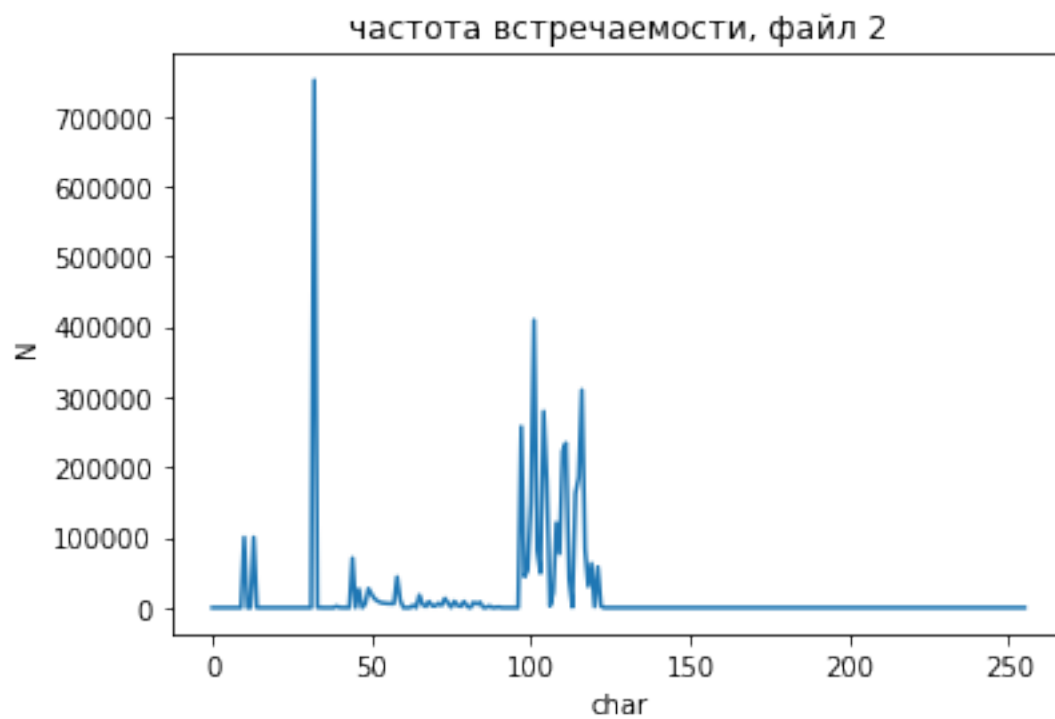
```
In [161]: data = data.iloc[:,1:]
```

```
In [201]: def get_nsimb(i):  
    plt.plot(data.iloc[i - 1, :])  
    plt.title(" , {}".format(i))  
    plt.ylabel("N")  
    plt.xlabel("char")
```

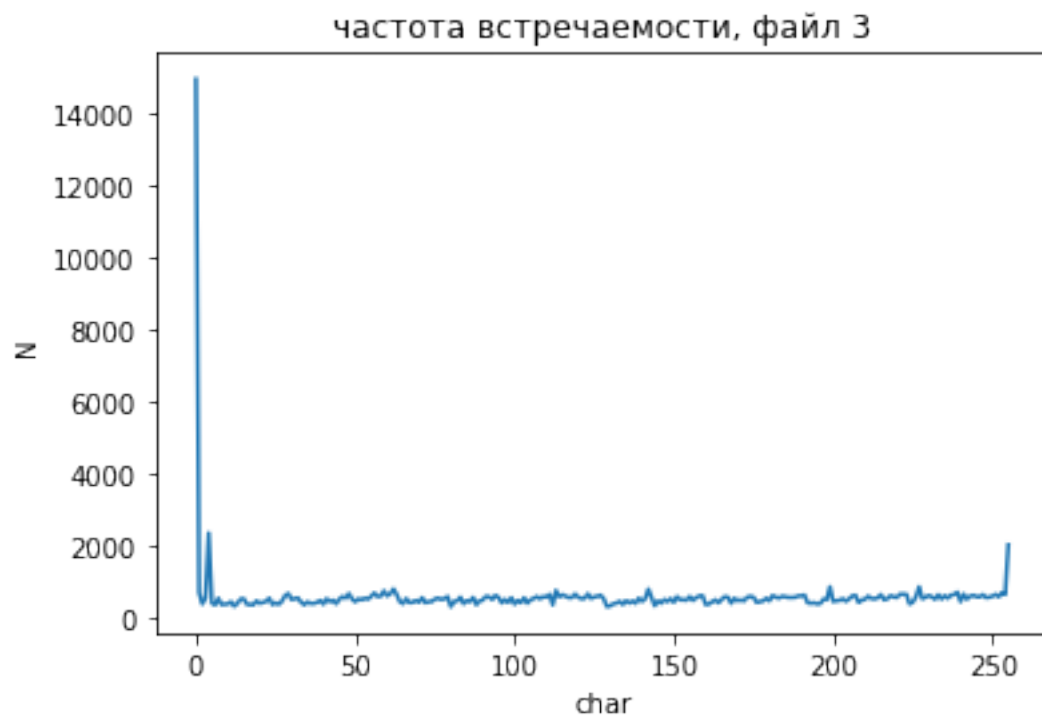
```
In [202]: get_nsimb(1)
```



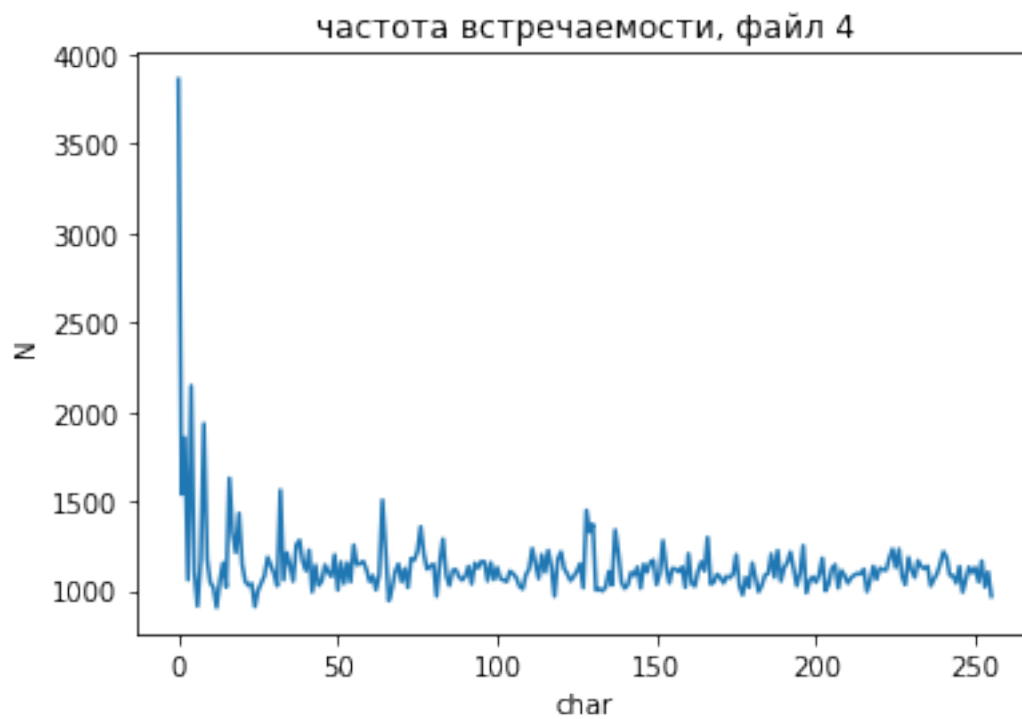
In [203]: `get_nsimb(2)`



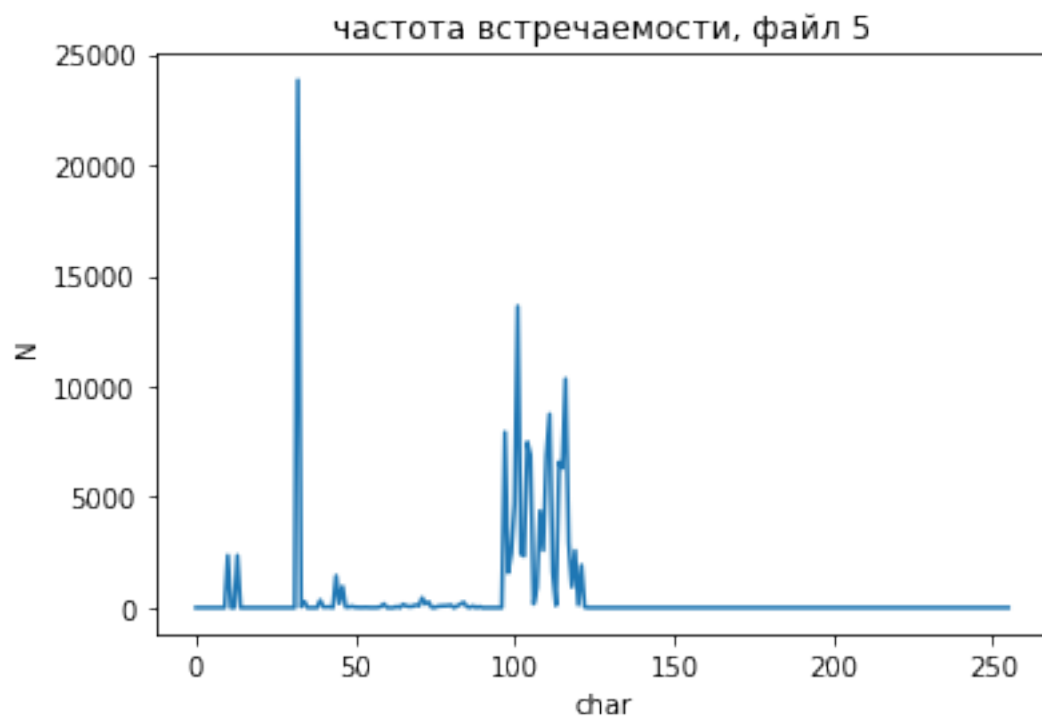
```
In [204]: get_nsimb(3)
```



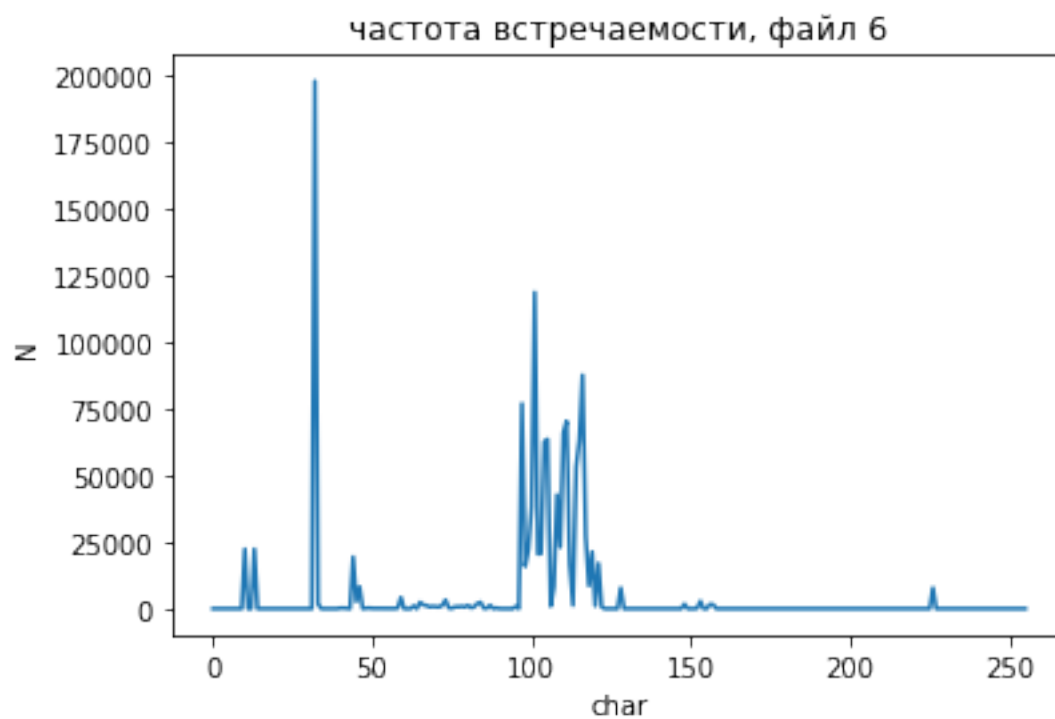
```
In [205]: get_nsimb(4)
```



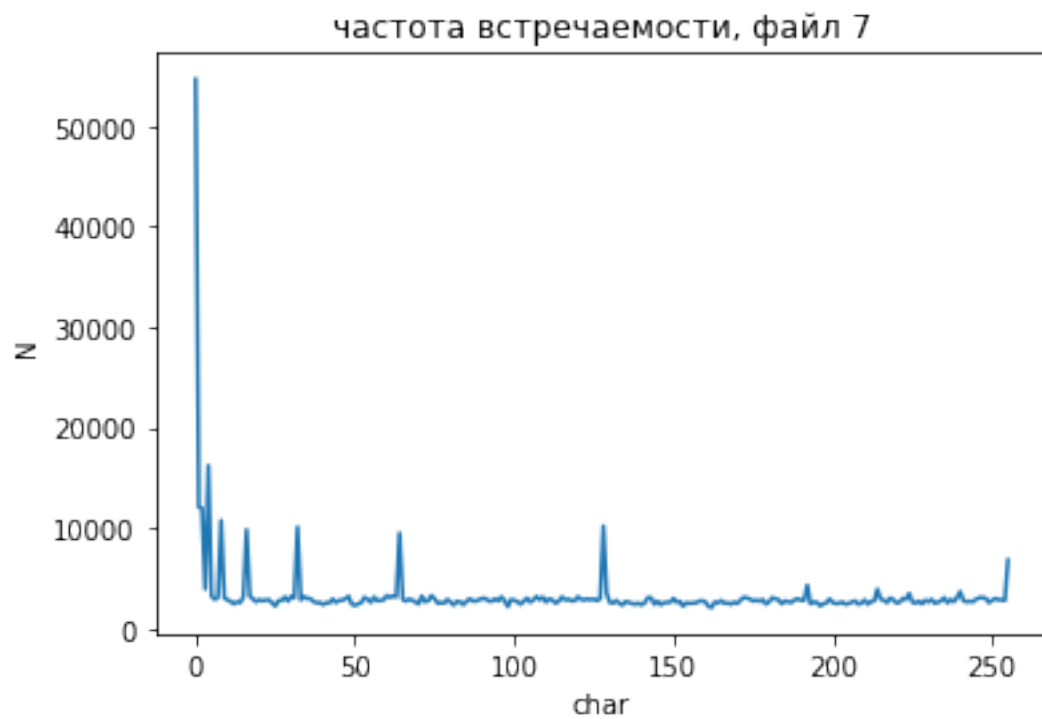
In [206]: `get_nsimb(5)`



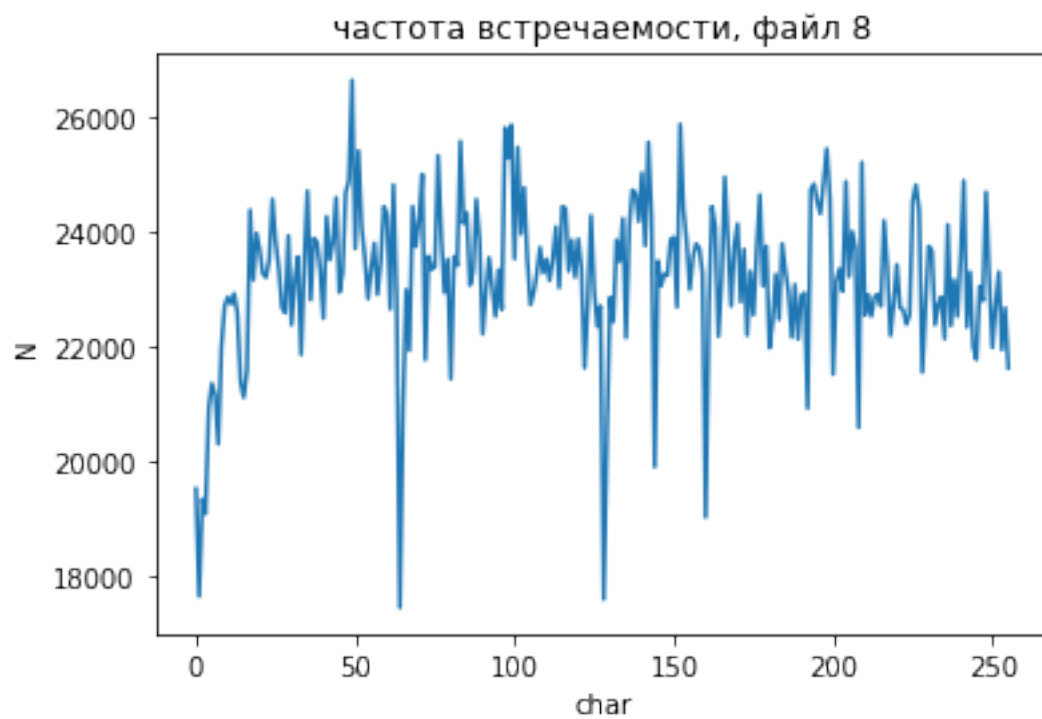
```
In [207]: get_nsimb(6)
```



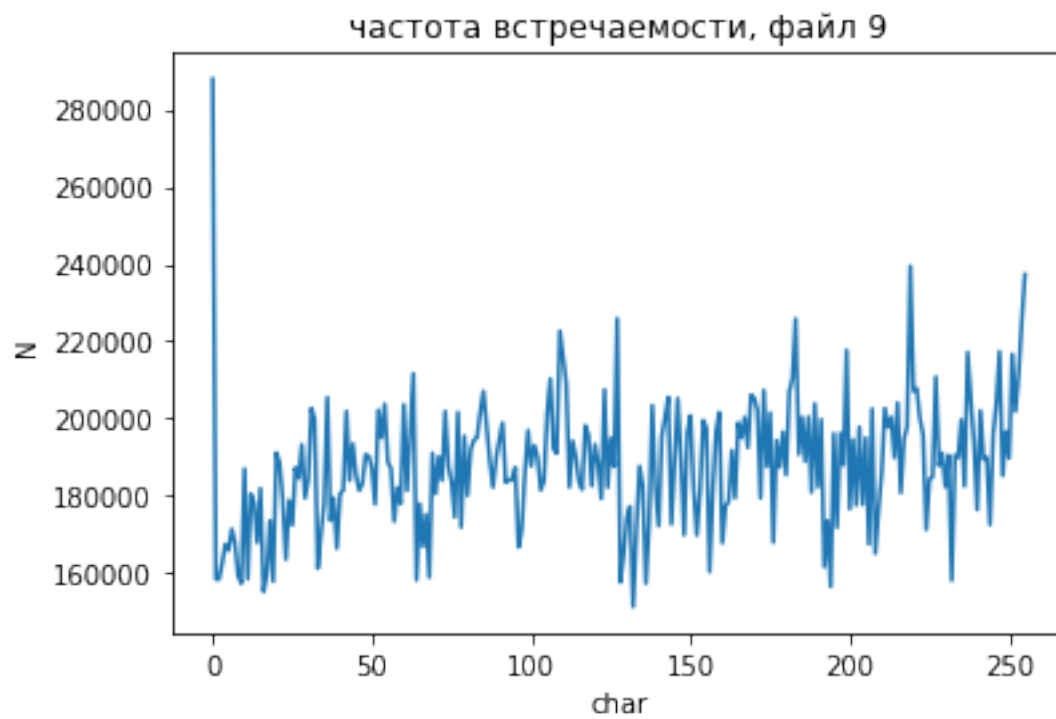
```
In [208]: get_nsimb(7)
```



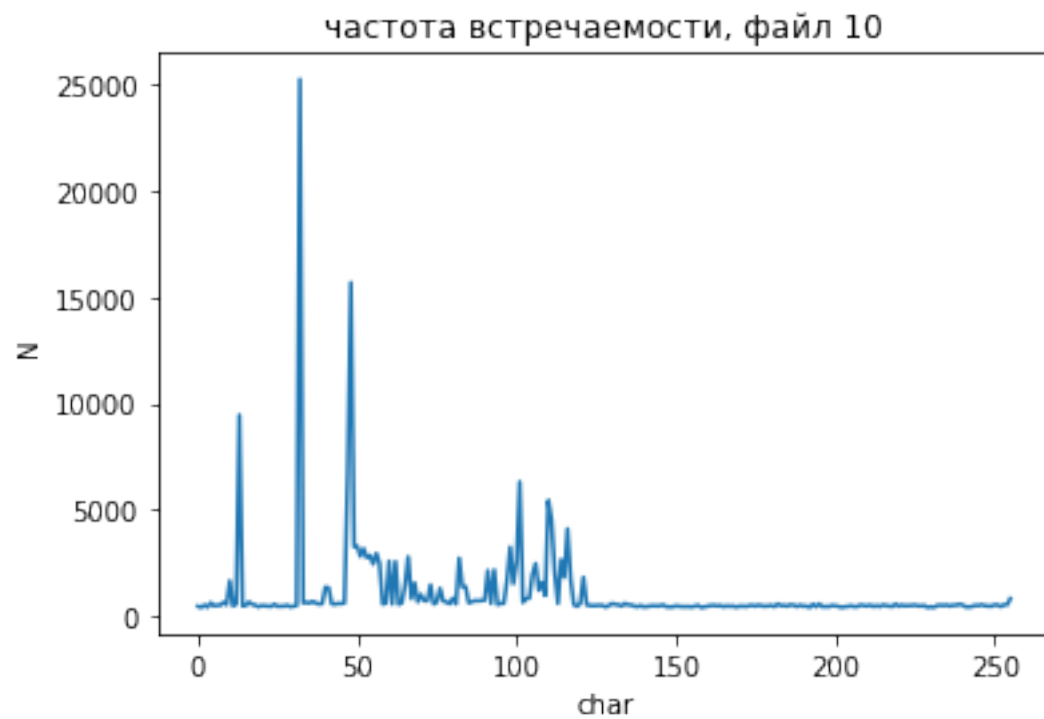
In [209]: `get_nsimb(8)`



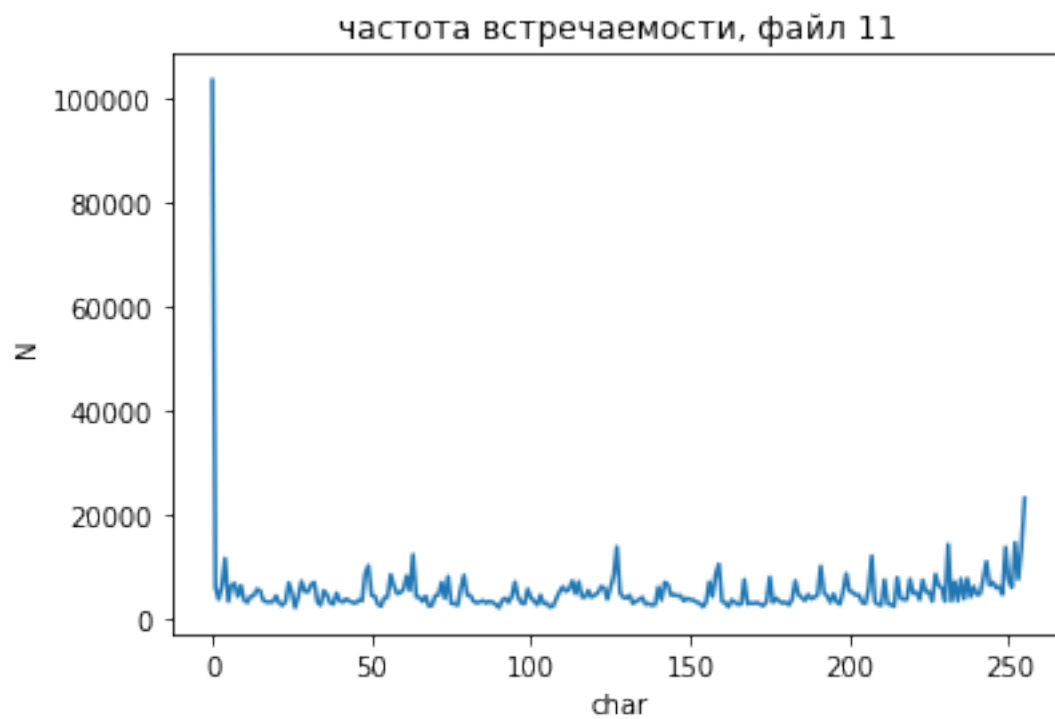
```
In [210]: get_nsimb(9)
```



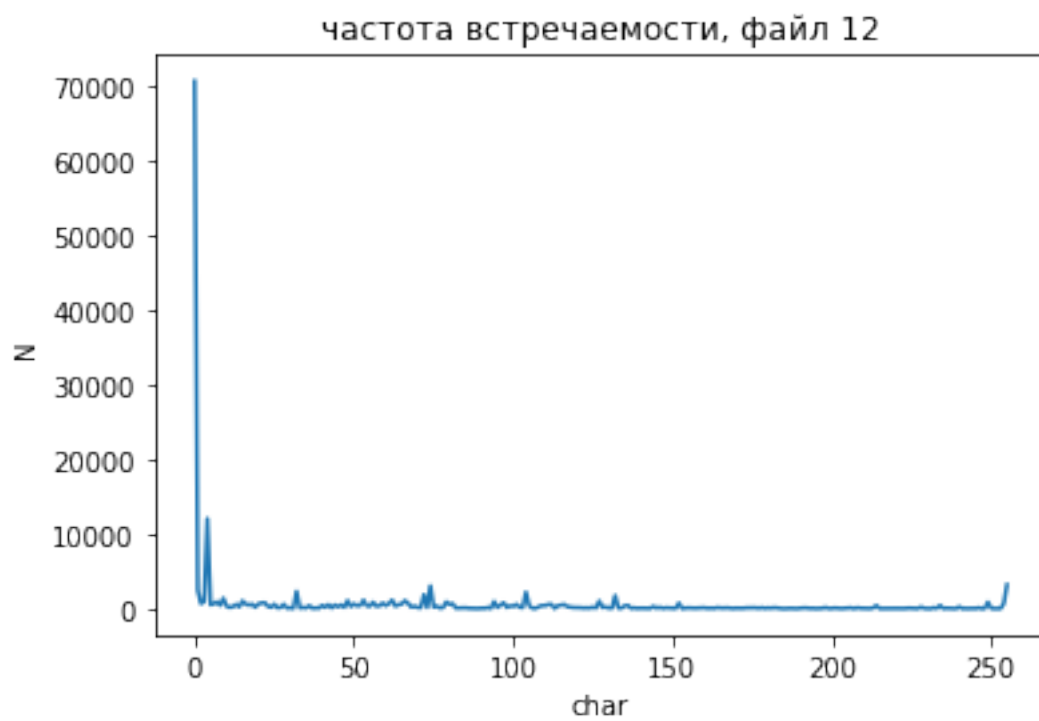
```
In [211]: get_nsimb(10)
```



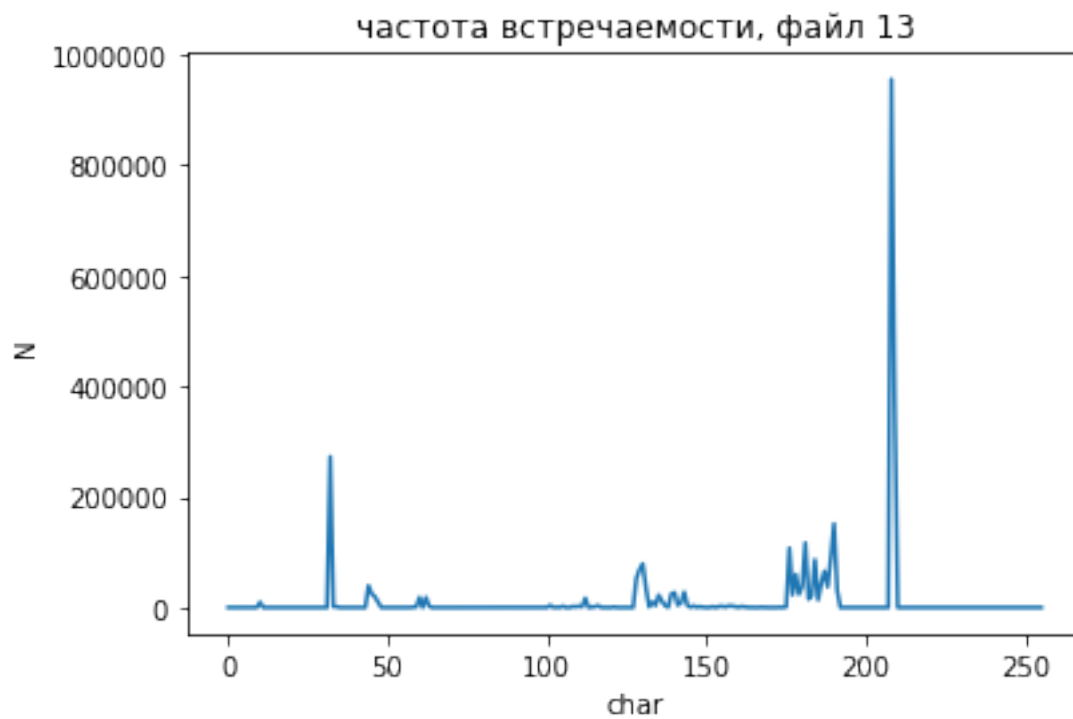
In [212]: `get_nsimb(11)`



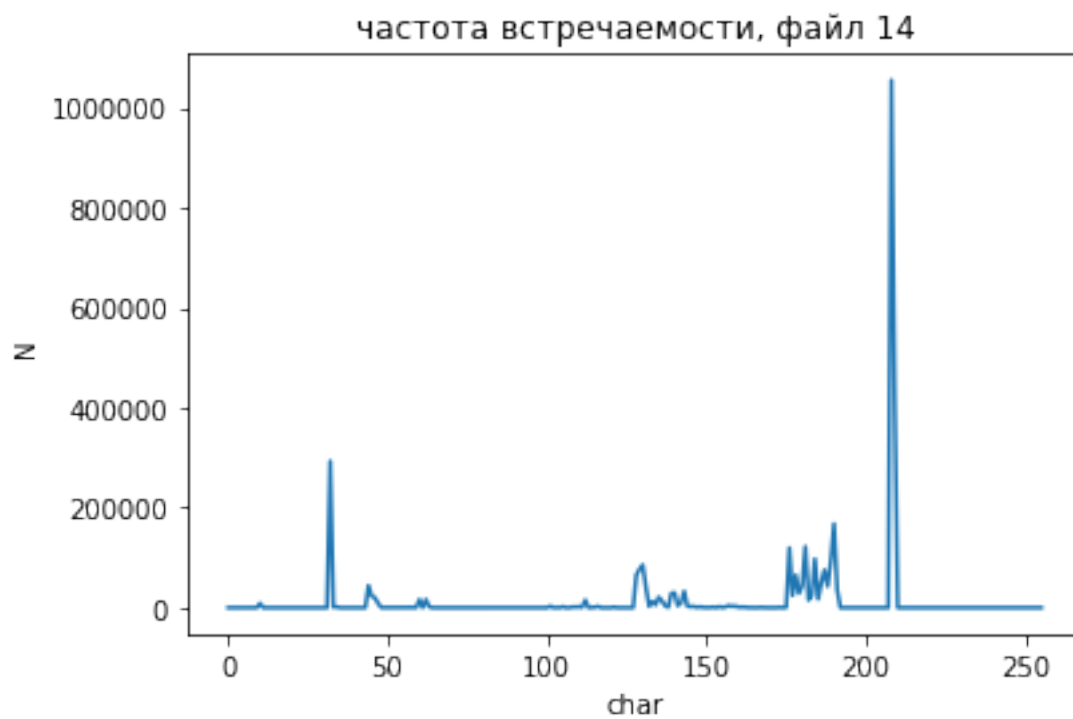

```
In [213]: get_nsimb(12)
```



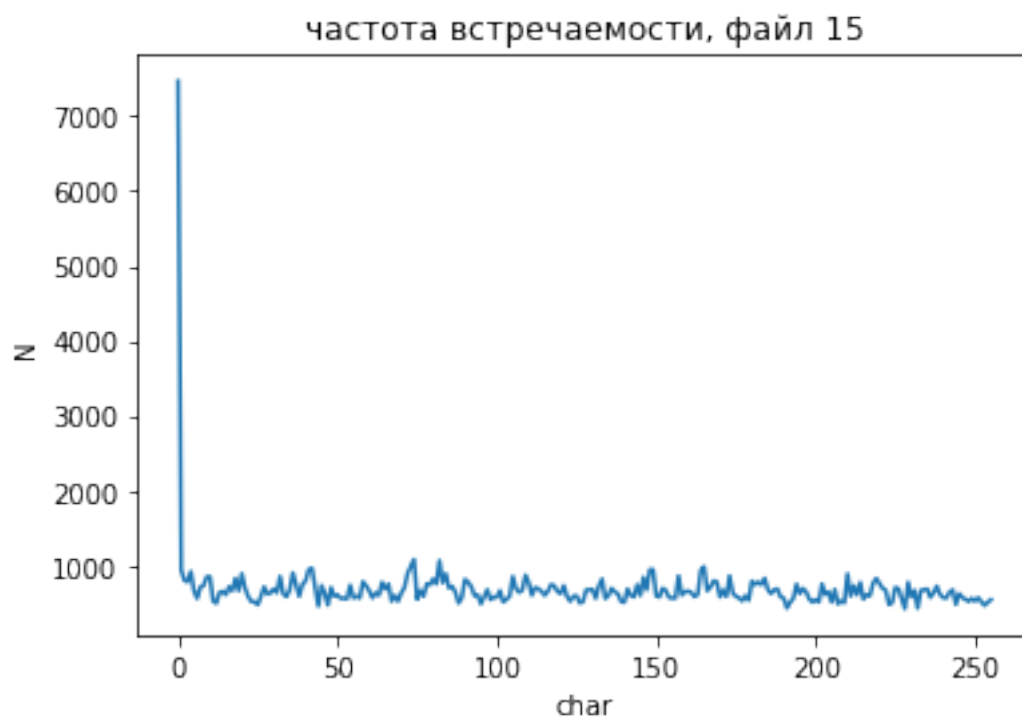
```
In [215]: get_nsimb(13)
```



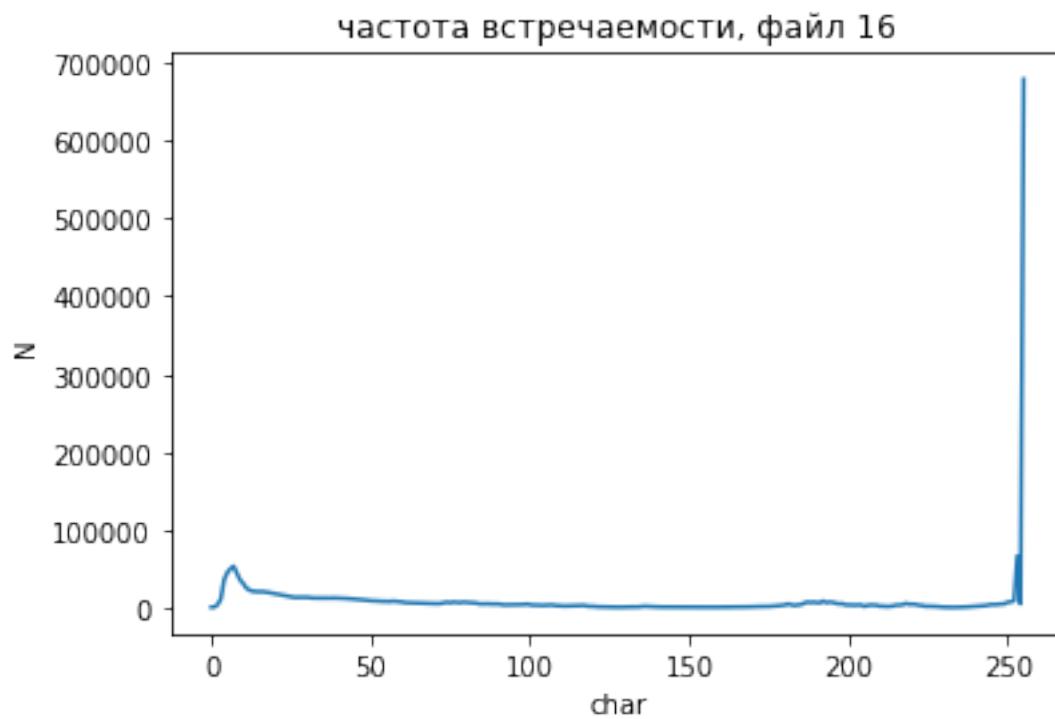
In [216]: get_nsimb(14)



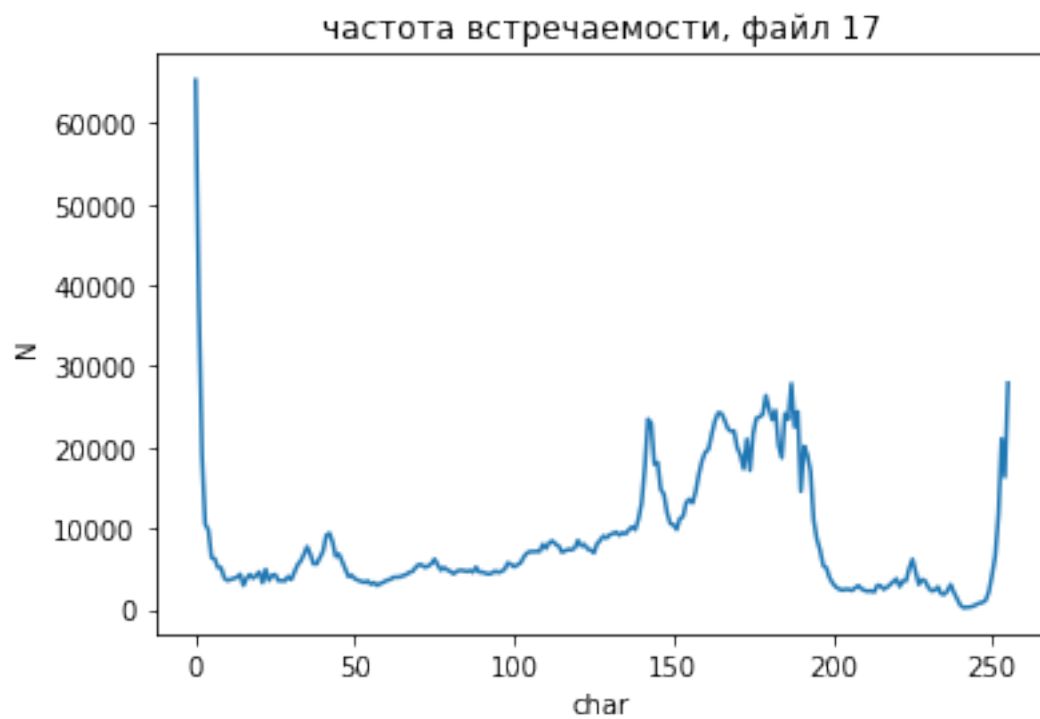
```
In [217]: get_nsimb(15)
```



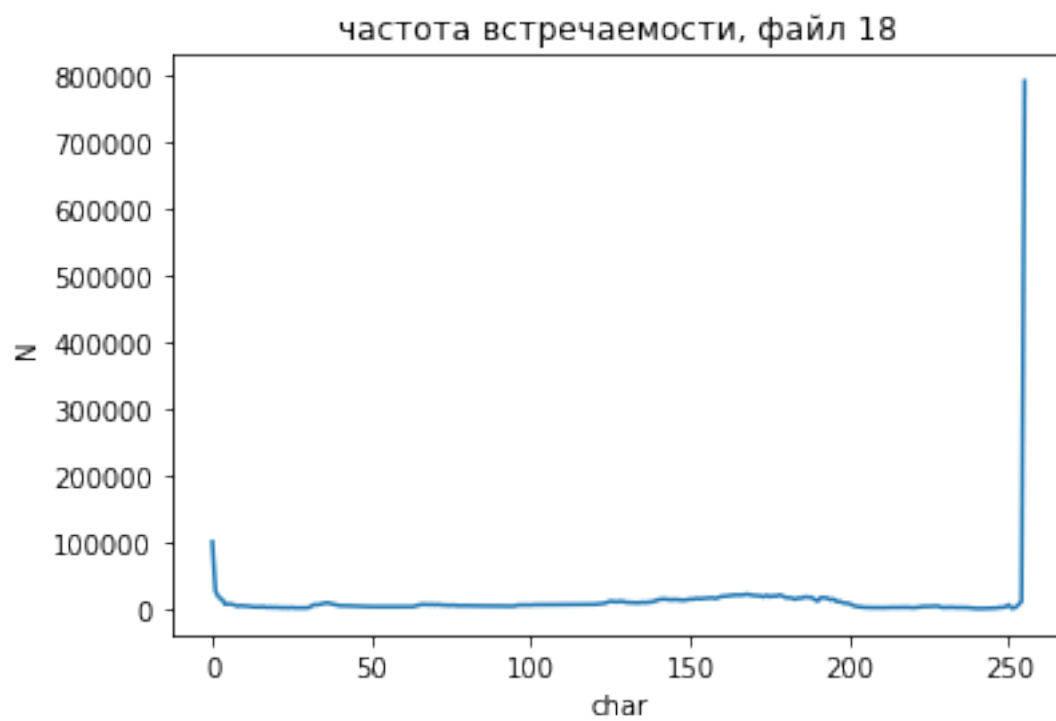
```
In [218]: get_nsimb(16)
```



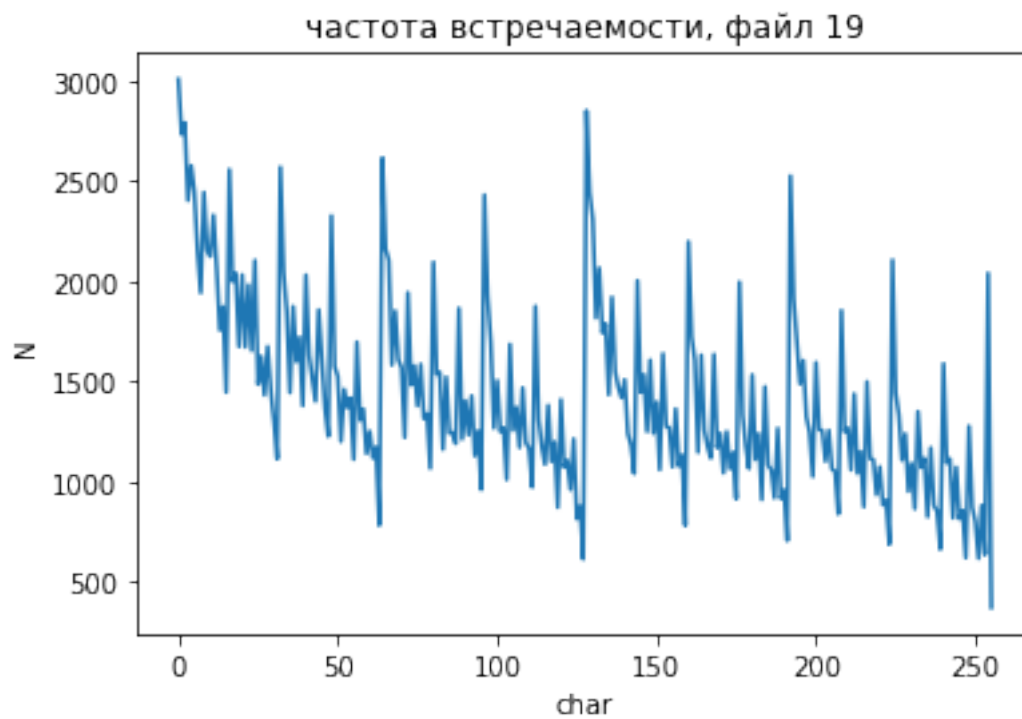
In [219]: get_nsimb(17)



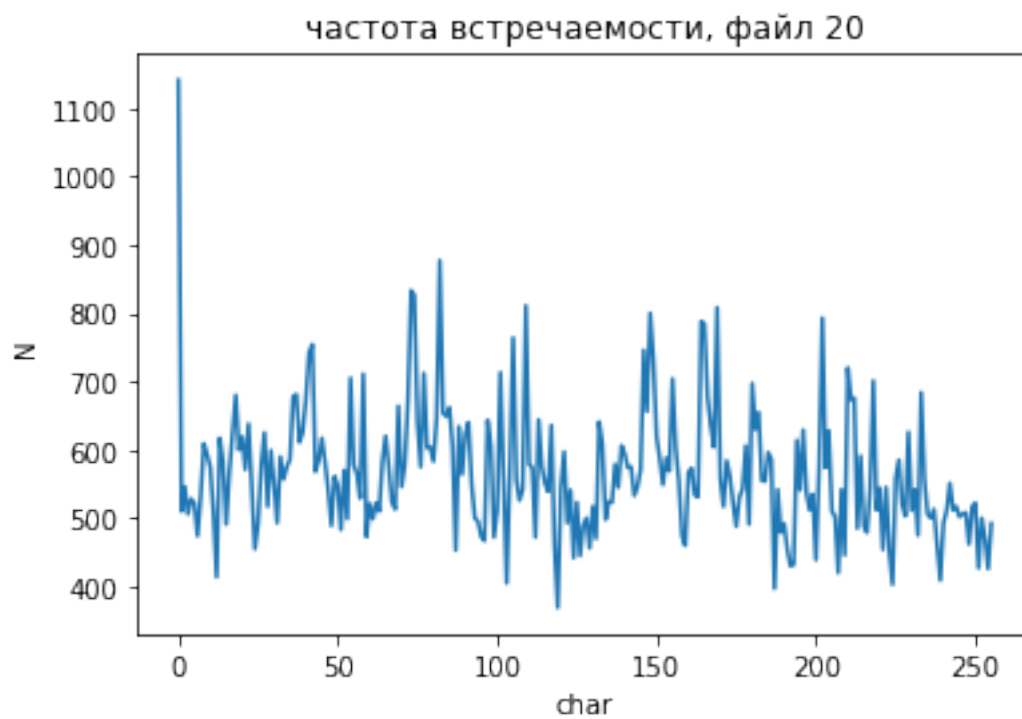
```
In [220]: get_nsimb(18)
```



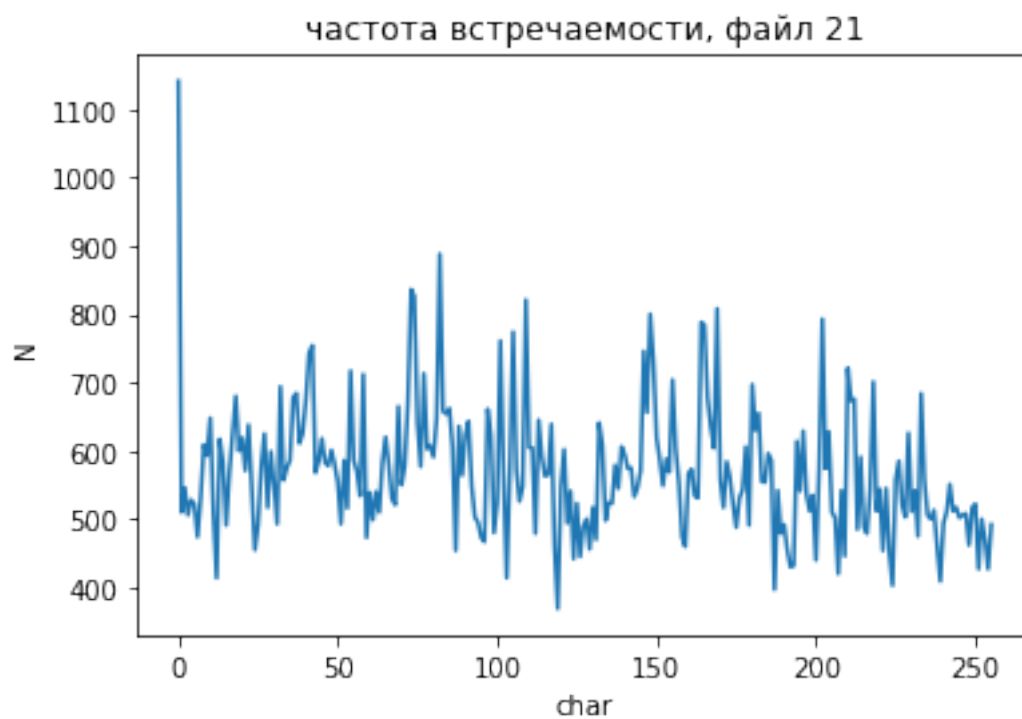
```
In [221]: get_nsimb(19)
```



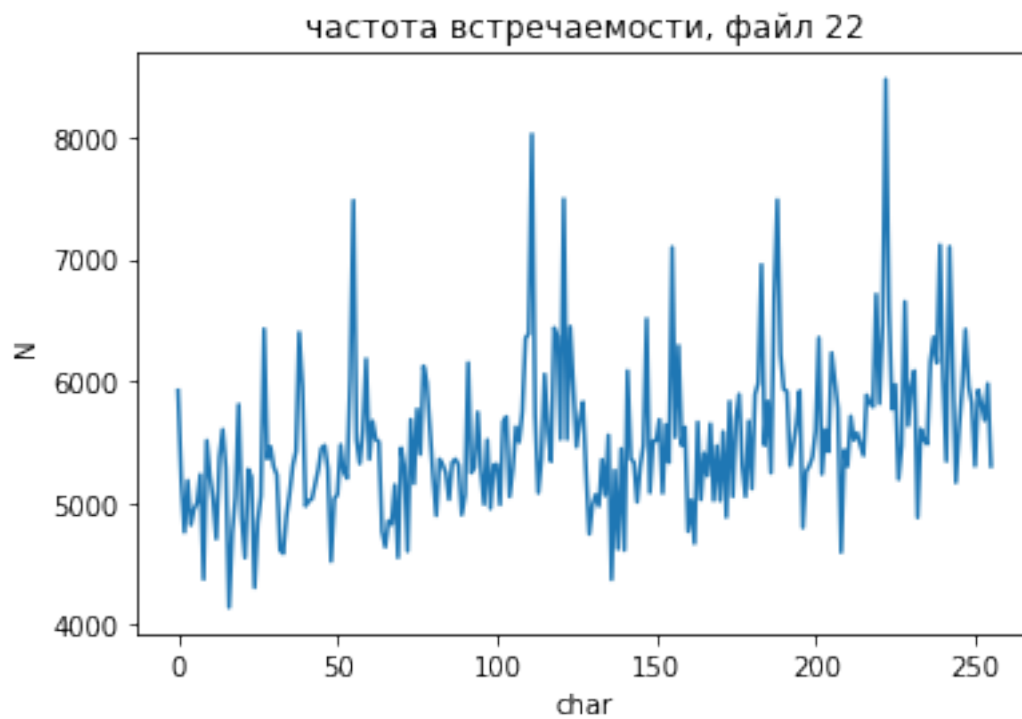
In [222]: `get_nsimb(20)`



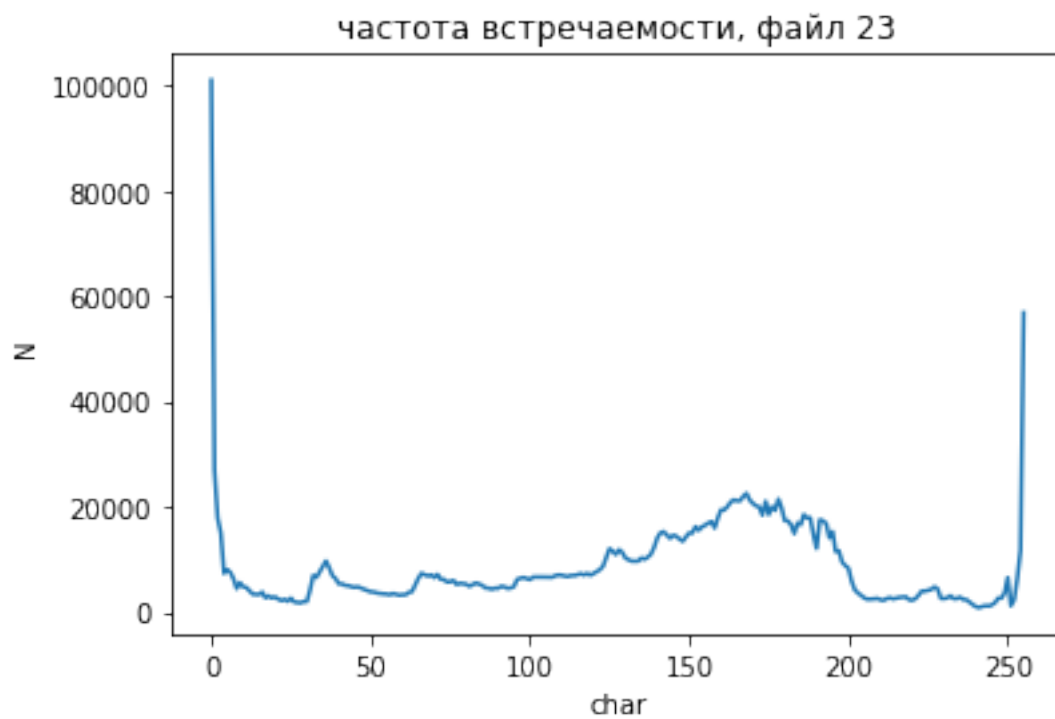
```
In [223]: get_nsimb(21)
```



```
In [224]: get_nsimb(22)
```



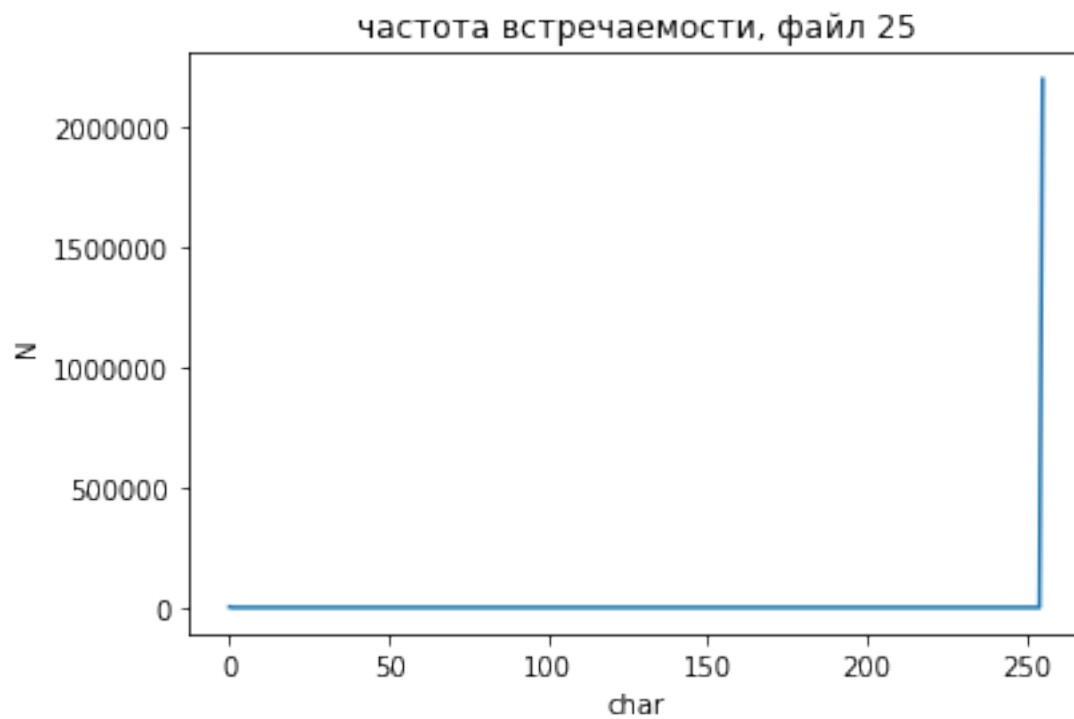
In [225]: `get_nsimb(23)`



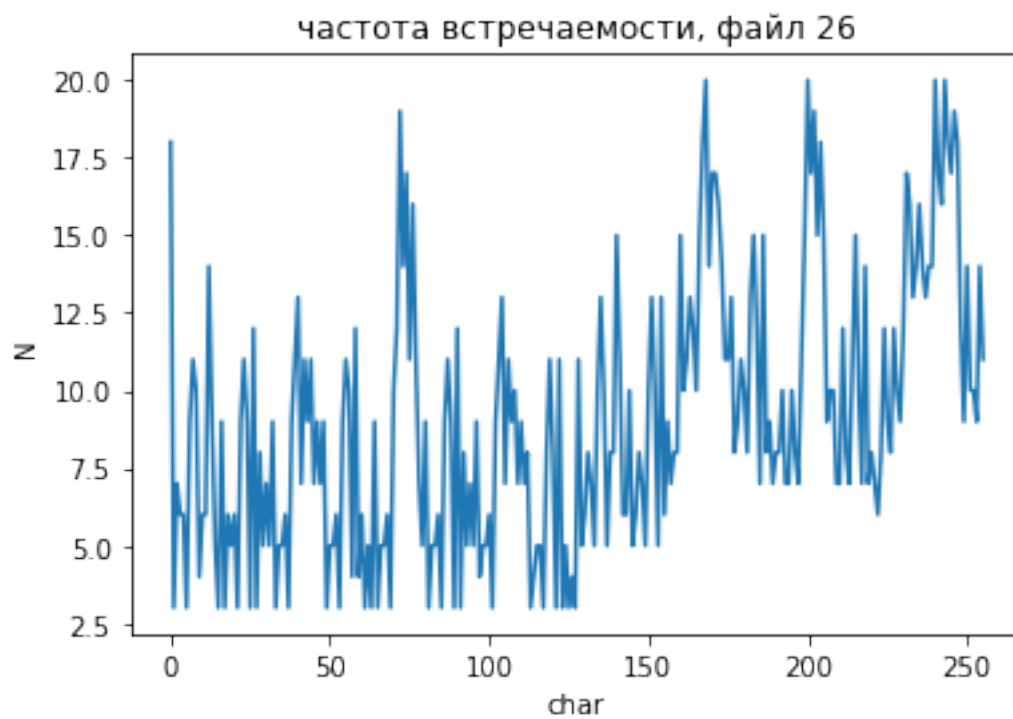

```
In [226]: get_nsimb(24)
```



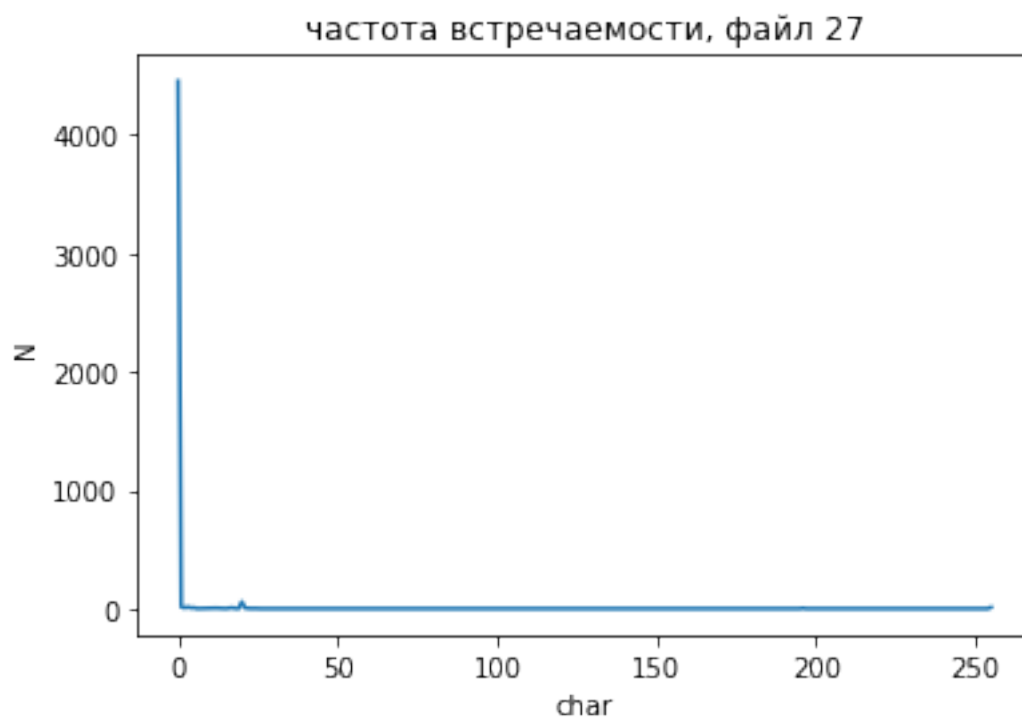
```
In [227]: get_nsimb(25)
```



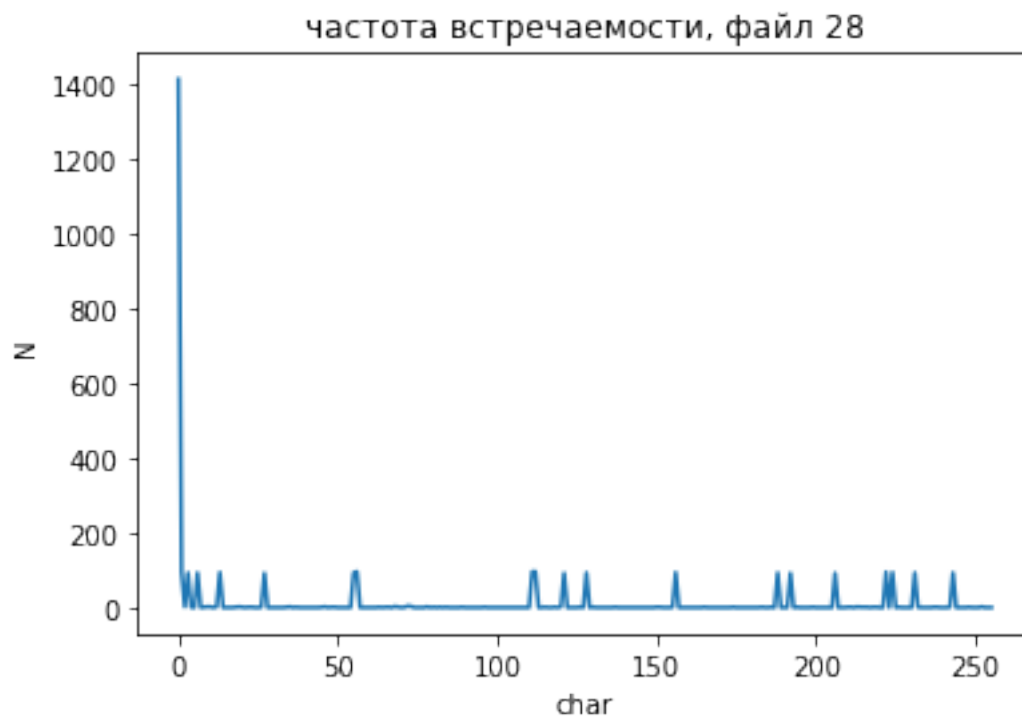
In [228]: `get_nsimb(26)`



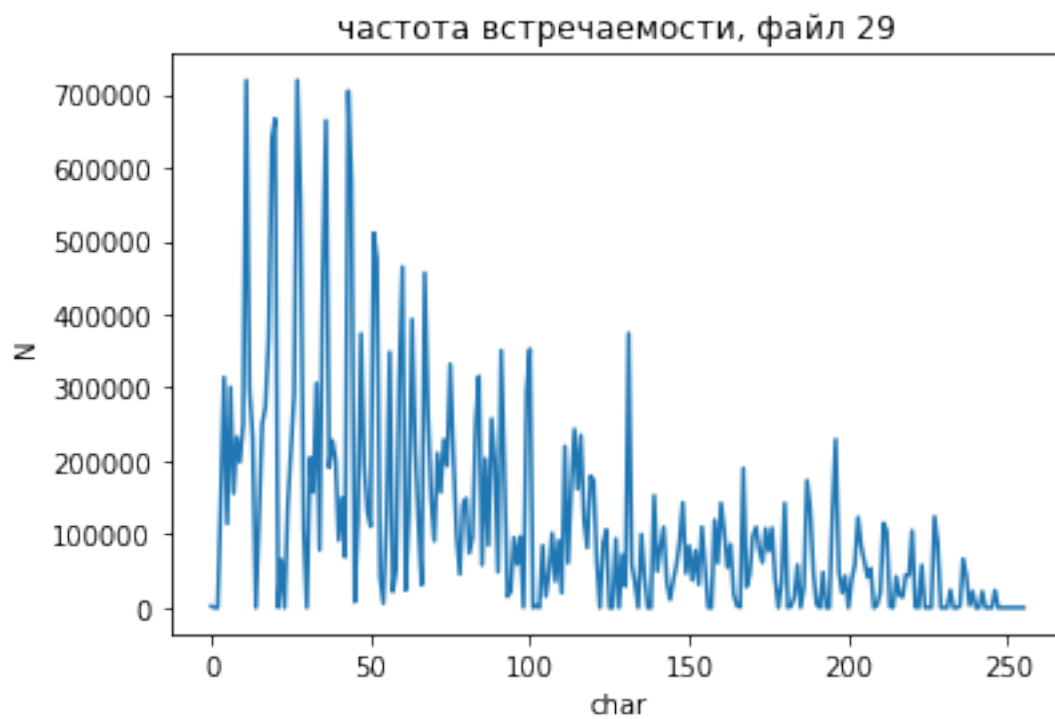
```
In [229]: get_nsimb(27)
```



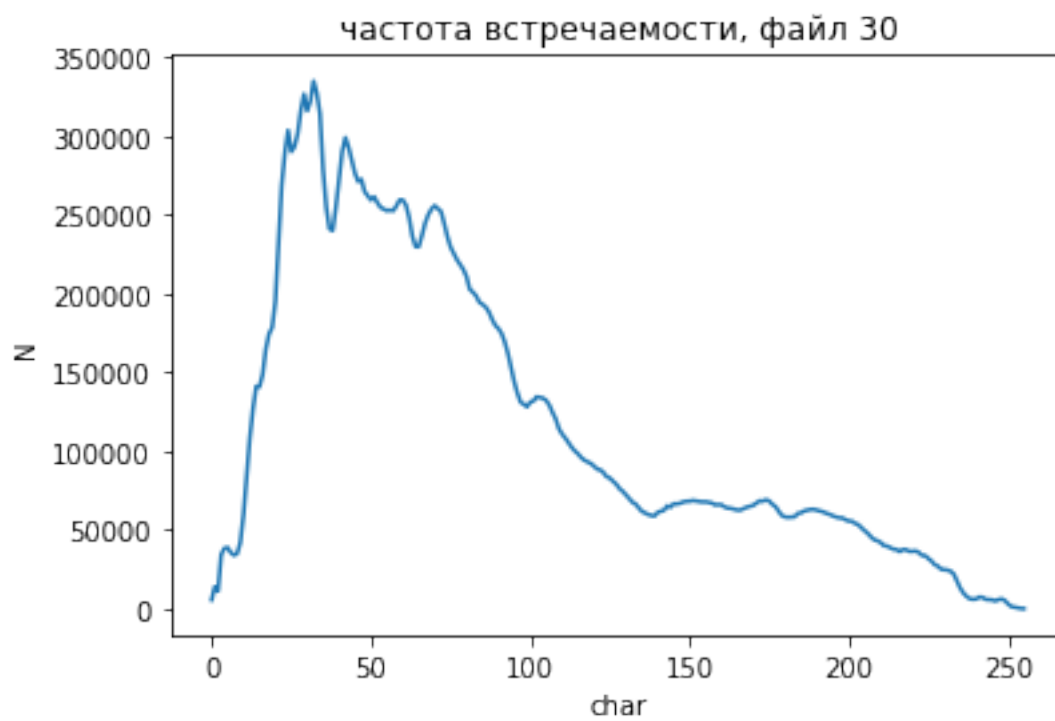
```
In [230]: get_nsimb(28)
```



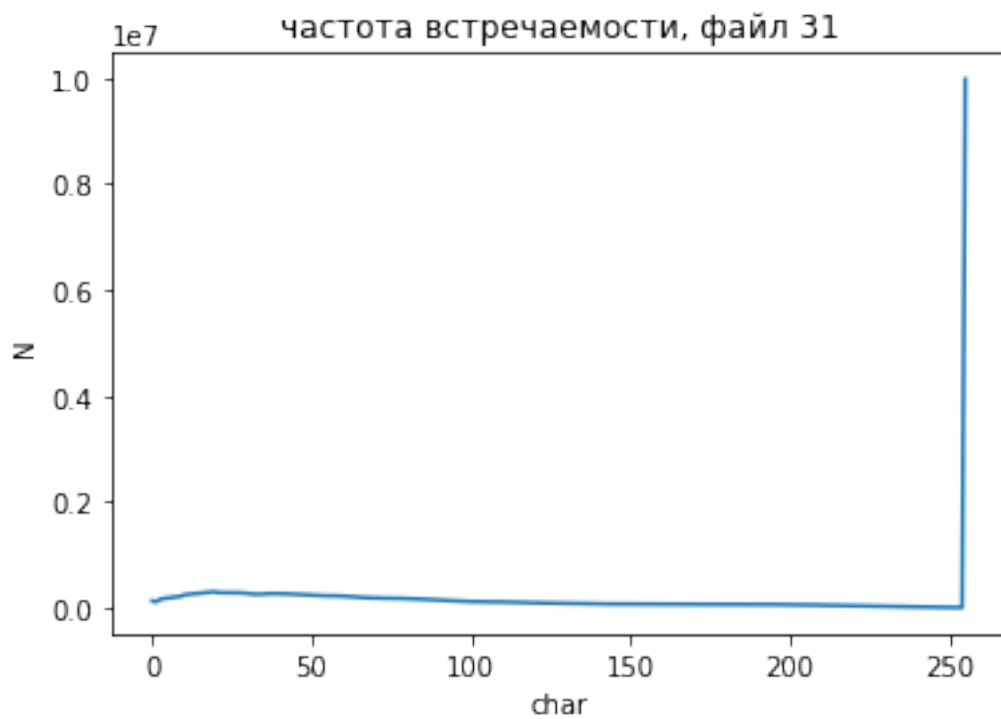
In [231]: `get_nsimb(29)`



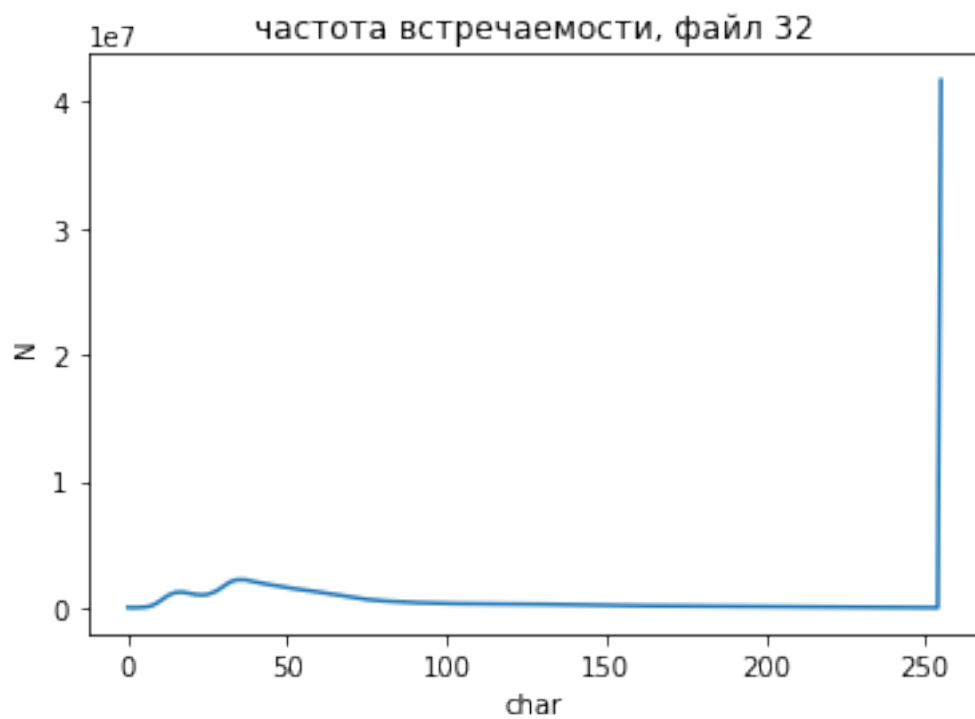
```
In [232]: get_nsimb(30)
```



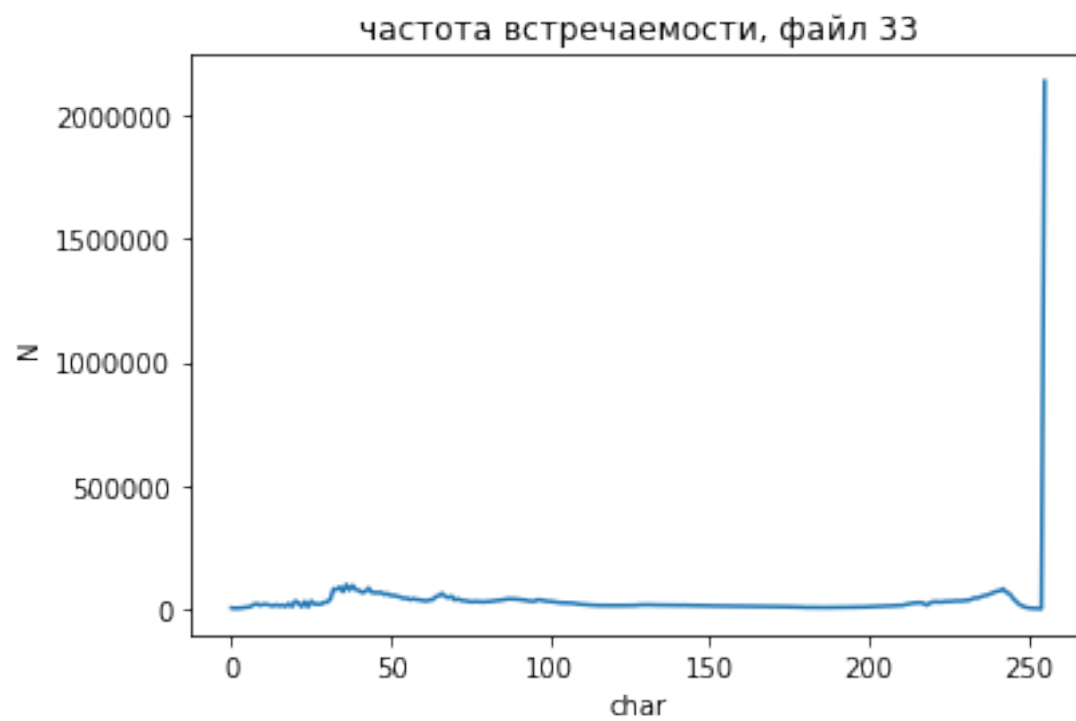
```
In [233]: get_nsimb(31)
```



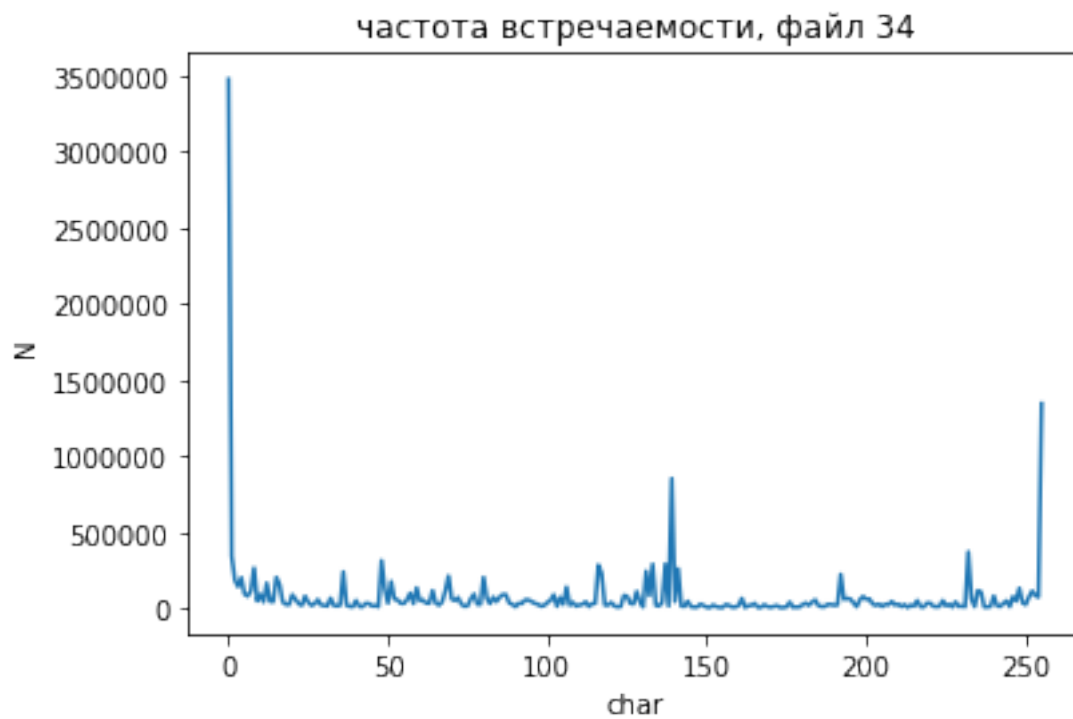
In [234]: `get_nsimb(32)`



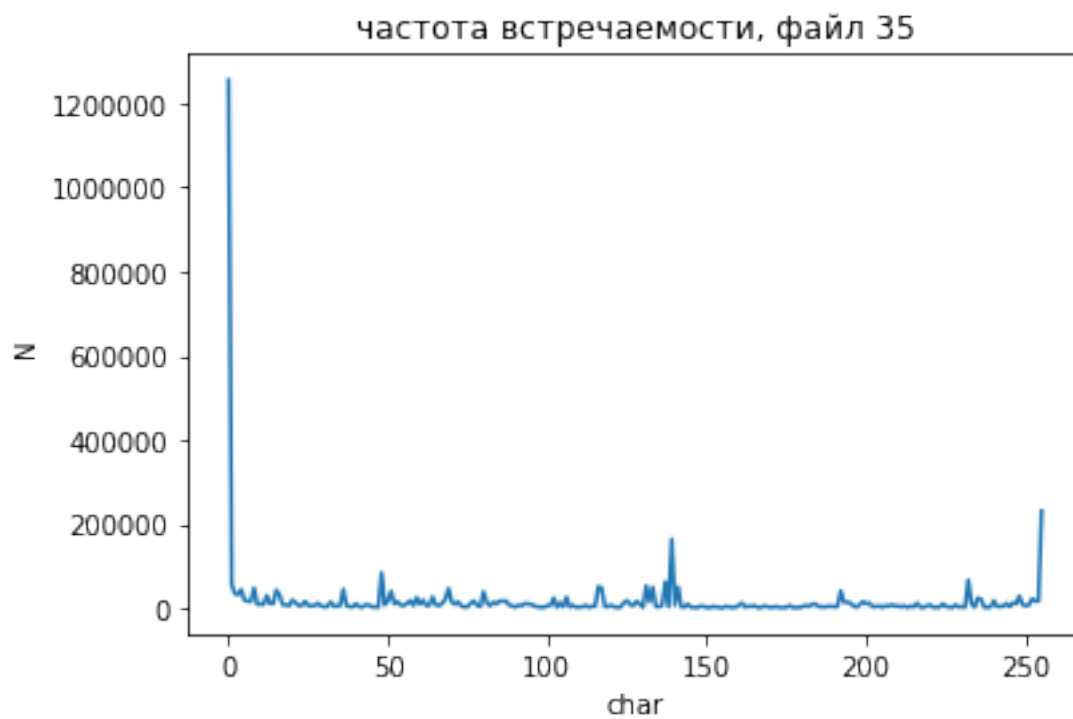
```
In [235]: get_nsimb(33)
```



```
In [236]: get_nsimb(34)
```



In [237]: get_nsimb(35)




```
In [238]: get_nsimb(36)
```

