

# ACTF新生赛2020 frequency

原创

[cuihua2021](#) 于 2022-04-07 20:52:40 发布 14 收藏

分类专栏: [BUU-Misc](#) 文章标签: [其他](#)

版权声明: 本文为博主原创文章, 遵循 [CC 4.0 BY-SA](#) 版权协议, 转载请附上原文出处链接和本声明。

本文链接: <https://blog.csdn.net/WYHPROGRAMER/article/details/124026296>

版权



[BUU-Misc](#) 专栏收录该内容

9 篇文章 0 订阅

订阅专栏

## [ACTF新生赛2020]frequency

### 1.题目概述

题目

解题快手榜



# [ACTF新生赛 2020]frequency

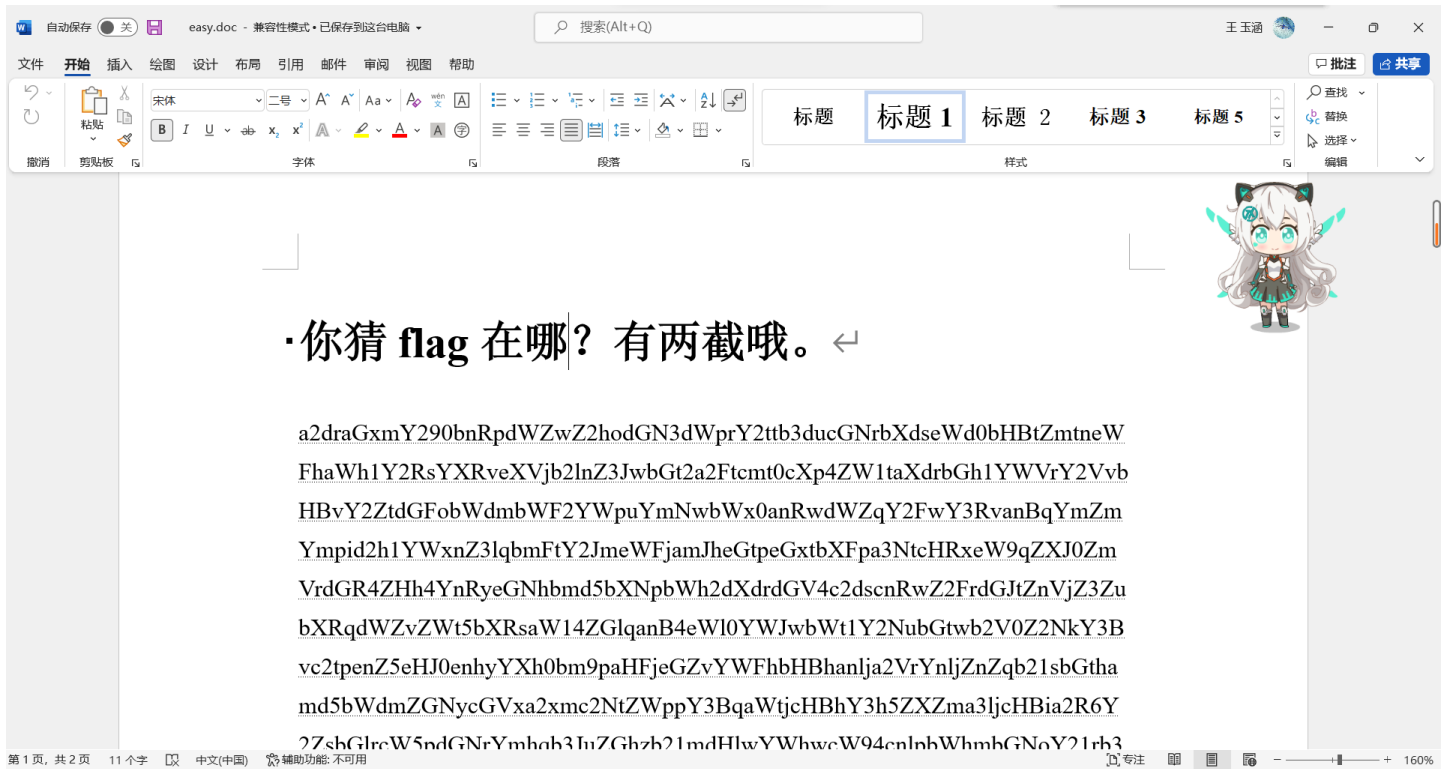
# 1

得到的 flag 请包上 flag{} 提交。

attachment....

Flag

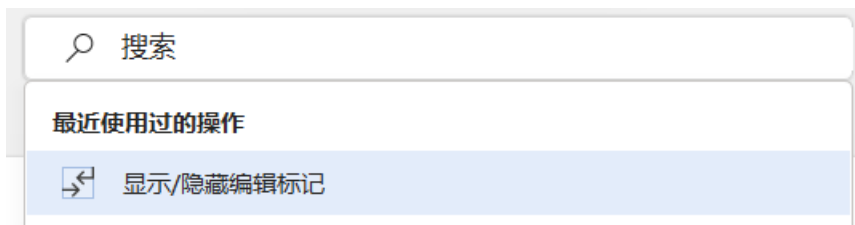
提交



## 2. 解题过程

根据题目名称frequency与文件内容猜测应该是字频方向

如果打开文档是空白的，就搜索



### 显示隐藏内容

a2draGxmY290bnRpdWZwZ2hodGN3dWprY2ttb3ducGNrbXdseWd0bHBtZmtneWFhaWh1Y2RsYXRveXVjb2lnZ3JwbGt2a2Ftcm  
t0cXp4ZW1taXdrbGh1YVWvRy2VvbHBvY2ZtdGFobWdmbWF2YWpuYmNwbWx0anRwdWZqY2FwY3RvanBqYmZmYmpid2h1YWx  
nZ3lqbmFtY2JmeWFjamJheGtpeGxtbXFpa3NtcHRxeW9qZXJ0ZmVrdGR4ZHh4YnRyeGNhbmd5bXNpbWh2dXdrdGV4c2dscnR  
wZ2FrdGJtZnVjZ3ZubXRqdWZvZWt5bXRsaW14ZGlqanB4eWl0YWJwbWt1Y2NubGtwb2V0Z2NkY3Bvc2tpenZ5eHJ0enhyYXh0b  
m9paHFjeGZvYWFhbHBhanlja2VrYnljZnZqb21sbGthamd5bWdmZGNycGVxa2xmc2NtZWppY3BqaWtjcHBhY3h5ZXZma3ljcHBia  
2R6Y2ZsbGlrcW5pdGNrYmhqb3JuZGhzb21mdHlwYWwhwcW94cnlpbWhmbGNoY21rb3JldG1yb3RrYXJjanRobWZ0aWxпам55a3  
V0aWhienR0dW1zbmdmdGxtcmJmZmx0ZndjbmpitZmF0bGZiemxva3RscHBsbWZpY29rcHBucGFjbWZ1Z21wdW5kdnRvbXdldm  
Nqc2dhamdmZXF1dXBhaWV0eW5mamJicGpzbHZ5bmFmdG1scHBka3R0b2Z1empphanpdGJmaXJtb3ZwemVraXJic2Zqc2d6  
bHVrb2x5dm9obXZnY3BrdGhzeGZ6bW1ibm1sZHp5dWljZHZrbXpiYXlidG9yY2ZvdHRkYW1jY25iYXBucmd4bGN5cGh5Zm5jZXhi  
dmRubG9rZ295aWxwcmxvbnNodGNranR4bmFiamhsbWJwZGNtaGtqbmxnbXRnam5qYWtyaXpsbHBtbWFscHhxbXVuaW51cGt  
wZGlhcHNzbXZrZGp2Z2I5b2R1bXBuYXBSamtqYmNmaHRoc2tpb2twZ3R0eWhubmRzeGtxanp2dmRvc2VvcG9pZ3I0bW5uYXZj  
dG9wZHlpeHZiZG9zb2JtY3ViaXVhanhoeWZrdnJremdjXlpbHB2YXdheW5xYWFwbGJrd2IpeHJjdGN0bGt4ZmpscGVhbW1qbm  
F1amNvdWlmbXZpa2ZpbXJvYXF0Y3RjZm1hdWJnYWdva2FyZnFmaGVtb3NydHlmb3B1a3VkY2FhaW1oZGZvZ25oa3JjZWxwY2  
F0Y3RweWpsYXZva2xnY2xhdGx0bXR6eWdwZWhma3poY3R6bmdtb2ZjaXpsdm54dG5sdWFqbHRvdmNqYWp1YnphdHBlaGh  
ma25uZ2dwbHlsaXZmZWFpZJHteWp0YWNhbXhjbmtmeXN0d2ZuZmx5bmJta2NrYXJ4YWLzcGpsa3ZjdHZrbHh1bmNmcGJ4dmly  
aXFlEXBtdXZ1bHZsamNrY3lwcHRwdmV0b3hobWlwYmlsbmp1b3drd3VjdG9rbmFmcHdvYXBmdGNsemhwaHhjY2F0dGh1bXZ3a  
HpvbWFmd3Fxbmxzb3lhYnV0bHpwaWF0Zm1tYWprcmR2bGN6d2pwc3Nwb2FiaWZpcGhrb2NocHRrYXRrYWZlb255YmZpdmVj  
bGR6b2ZhdGV0Z2FsaGFmYW1vYXlvc291bm5hZmlhdGNqdGl3b29sYWNya2N1YWRwdXRreWxweXBiZ2ZlcHdwc25jd2td2xsY  
XJ5anNjYW5id3BkcHpicHR1dG5sbm9wd3BpdGJsb3RsbHppZmtsYWF1cmpwaWFqZnB0a2ZteHBic3VjdmppZ21jYXwhbnRyc2  
NrYmt1eWZnYWFrZmFjbmxdXZxZR5amdqbW5hZWfjbmdheGNuYW1qbWlna2tpdW1sbmR3Y2tdWFuYW52cnJiZnp4en1dW  
Vob25lbWxjanp1dm9hanVmZGdqamp

jZ21ucHRmdXVjdWJdGpoYW1sb2xmaG9pZnZia2themNwb3pjeXVjYnJnb2picG5haGNneXV0dGR2bXR0dndqbWhic2ptYmJhd  
mNkbHlob3Fqb21wY3B2aHRrb2FpcnZ0bWtmZnlhdGttcHR1dW9vb2xncG5udWVsaGZodnZpc3Vrd3lubWlhY25sbHVtaHRqZWt1  
YXV1cGxyeGtpZXB1anhsaWNma2NiY2htbmdsZ3BsaWhteWNybnNvbWF3dWZ1b29tdXVuaGRvb2FydWRhbW9hbW9ocW9vY2  
Z1cGp1aWFieHh1dnl2bm9zb3Vvb3Zha2xjZmt0eXJmYWdmYXl2cHVmdnBiZ3RhZmVraXBpY292dGZ0bnV4c2phdmpkcWt2ZnV  
pa2x0bWRrYmJua3BhZnhycXBmZ2N0dmFzY3VqamN1Y2h1YXpjaXVtdHRkbmF3aWhtbW9qZmJoeHZvbXRmcGJmaHR2aXdsY  
XVlb2dwcG1qc3BjYWxmaGNhcmtsYmlzcGh0anBhbmhsaXNwbNzRza2tjbGpnZ2tjenRmaG5IY25wdGlmZnRyZG10amZla2ZpdGthc  
2RnbmVscHVoYmZpbXB1Y2JrcGtjbXhsZmtwaWlqdmh0amtzeWx6cm9vZmFjeGNscGpuaGJpcmN5ZGp0Y2xqZG9ibHlyeW1hdG  
doaWZvam1qanNla29vbW9mY2FjdGF2ZmN5Zm11Znhoc3Rqd3VwYmpreW9bnlyeXBseXBxbGF5eW1veHRhbnFkcHVyYnd6c  
Gxsb2traGhtYW5kam5hdGNibGtjb3Rna2x1dHR3YmRhdHFybWF6cHJ2YXd6anhlZmhqdGRRaWt1cmxsY2xjam9naG1sd3RhbWR  
kY2NucXVyb3Jha2N5b2JsYXJ6YWNtbnFjbWV0dHVheWF1eWl2c21ma25uYW5sdGNtaWdmcmhdYmlwdG50aG1tdXRwaWJ5b  
HJhdGhqY2doY2ZtbG92cGNudHFwZW96bG90ZGtlaW9jZmtjaXZ1eWx6Ympvb3hjc2FjbmdkdXZ4dG50aGphZXBhdX1rbGFocG  
NtdnppY2twYWFwaG9jZ2lvZ2p0dnB0Z2poZG9udW5scGFvbG5kcWJxZmRtYnBqam94Ym9tbGlreXVpcG54cXh6Y2lmb3JhaGhld  
Xl5dHpoanV0Z2Z3dHVscmpjZnhvaWFneWpmYnBqaWFrZ3I0eGJmbnBsZnBxd3RkaXFuaXR2dmF1amRqbGlmamlvnltdmZ4bX  
hnb3JpY3ljZGZob2ZiYnlnZmxhdGlyamRpZGFkcXZpa2pvY2I5ZmR6aHJvZ255eWlia2dubnZobWpsb2xhdndmaWpjZ2dma3B0a3B  
nY3FmYWZheXNpdHltYWN2a3FweWxoaGJ1Ymh4c2x1emN5dmxvcmlwdGxwZmxjdWljcG5mc2hpeXh2a2tiY2p5dWtvdGFsZmNp  
cGhjZGd4aWZ0a2xkZ29wanNtdXJ0eWp5cGhia2JmbmJ3YnNvZmlheHRsdWhwbXJmZGFrdWx1cGVhcHZyeXhtYVWwaGF5bmV  
4emZsbmV2am1pYndvcml0aGh4YmJ5cG1tYWJvYmZuZmNvanR0Y3Jram1naXJ2bWlzdW5mbHVodGVudHJodGVvamtjaGtwZn  
BhZXNnd2dscWRrdnZudWx1bnF7bG1sdGFscGhvdWZqcGlhbGNmbGZ5ZHZmd3lk2ZraGFpeWF3bGx3Y2pvYXJxdnpqbGZmZ  
2xjdGNsYmxwa2JzZmxocnRqZGFvd3ByZGJjdWJmbHlveWJodmh3ZndvZWl0Z254YnpuaWZwbGx4bXN0a251aWwhvYmZlZWZra2  
FreW5uYWNra2NkdWFtZ3N2bnBoY3RmZ3NybnJvZWh2ZW5kYmZpb21xZm14Ym1paWl1bGF2b2dma2dhY2lrYWFtcHBybGpmb  
XBqY3VhYXNja2l1cWlmY2liamx1dGNtcGF0b2pyanZmeGdsenBvcGpkZ2NoanVqbGtuZnd0cG5qZnBhY3JrcHRmaGNzamdyaxBj  
cmZjZGFsem5ob25mZGNvaG9zZmhvaGVha250aXRtamZsbmJvcGNsY3hjdWlnb3hja3JiYVwxyVWVidGFhcmI

### 查看备注

在备注中又发现了一段Base64字符

属性 ▾

大小 32.0KB  
页数 2  
字数 11  
编辑时间总计 25 分钟  
标题 添加标题  
标记 添加标记  
备注

```
0ZWZtemNxaWRvZmd0Zn  
FnYmFkaWNubWhvdGlvb  
m9iZnlubGdvenRkYXZ2aW
```

相关日期

上次修改时间 2020/1/31 15:23  
创建时间 2017/5/3 19:43  
上次打印时间

.....

0ZWZtemNxaWRvZmd0ZnFnYmFkaWNubWhvdGlvbm9iZnlubGdvenRkYXZ2aW14b2JvdGlra2Z4d2lyb3JwZmNjdXpob3BoZmRja  
WVrY2p5b21lamtjZ2Zmam51bmhvcGFkdGZndG1sdA==

再结合文档内容，合并在一起去解码（如果直接统计字频没有什么思路，刚刚试过了）

**base64**解码

a2draGxmY290bnRpdWZwZ2hodGN3dWprY2ttb3ducGNrbXdseWd0bHBtZmtneWFhaWh1Y2RsYXRveXVjb2lnZ3JwbGt2a2Ftcm  
t0cXp4ZW1taXdrbGh1YVWVrY2VvbHBvY2ZtdGFobWdmbWF2YWpuYmNwbWx0anRwdWZqY2FwY3RvanBqYmZmYmpid2h1YWx  
nZ3lqbmFtY2JmeWFjamJheGtpeGxtbXFpa3NtcHRxeW9qZXJ0ZmVrdGR4ZHh4YnRyeGNhbmd5bXNpbWh2dXdrdGV4c2dscnR  
wZ2FrdGJtZnVjZ3ZubXRqdWZvZWt5bXRsaW14ZGlqanB4eWl0YWJwbWt1Y2NubGtwb2V0Z2NkY3Bvc2tpenZ5eHJ0enhyYXh0b  
m9paHFjeGZvYWFhbHBhanlja2VrYnljZnZqb21sbGthamd5bWdmZGNycGVxa2xmc2NtZWppY3BqaWtjcHBhY3h5ZXZma3ljcHBia  
2R6Y2ZsbGlrcW5pdGNrYmhqb3JuZGhzb21mdHlwYWwhwcW94cnlpbWhmbGNoY21rb3JldG1yb3RrYXJjanRobWZ0aWxпам55a3  
V0aWhienR0dW1zbmdmdGxtcmJmZmx0ZndjbmpitZmF0bGZiemxva3RscHBsbWZpY29rcHBucGFjbWZ1Z21wdW5kdnRvbXdldm  
Nqc2dhamdmZXF1dXBhaWV0eW5mamJicGpzbHZ5bmFmdG1scHBka3R0b2Z1empphanpdGJmaXJtb3ZwemVraXJic2Zqc2d6  
bHVrb2x5dm9obXZnY3BrdGhzeGZ6bW1ibm1sZHp5dWljZHZrbXpiYXlidG9yY2ZvdHRkYW1jY25iYXBucmd4bGN5cGh5Zm5jZXhi  
dmRubG9rZ295aWxwcmxvbnNodGNranR4bmFiamhsbWJwZGNtaGtqbmxnbXRnam5qYWtyaXpsbHBtbWFscHhbbXVuaW51cGt  
wZGlhcHNzbXZrZGp2Z2I5b2R1bXBuYXBsamtqYmNmaHRoc2tpb2twZ3R0eWhubmRzeGtxanp2dmRvc2VvcG9pZ3I0bW5uYXZj  
dG9wZHIpeHZiZG9zb2JtY3ViaXVhanhoeWZrdnJremdjXlpbHB2YXdhew5xYWFwbGJrd2IpeHJjdGN0bGt4ZmpscGVhbW1qbm  
F1amNvdWlmbXZpa2ZpbXJvYXF0Y3RjZm1hdWJnYWdva2FyZnFmaGVtb3NydHlmb3B1a3VkY2FhaW1oZGZvZ25oa3JjZWxwY2  
F0Y3RweWpsYXZva2xnY2xhdGx0bXR6eWdwZWhma3poY3R6bmdtb2ZjaXpsdm54dG5sdWFqbHRvdmNqYWp1YnphdHBlaGh  
ma25uZ2dwbHlsaXZmZWFpZJHteWp0YWNhbXhjbmtmeXN0d2ZuZmx5bmJta2NrYXJ4YWLzcGpsa3ZjdHZrbHh1bmNmcGJ4dmly  
aXFlEXBtdXZ1bHZsamNrY3lwcHRwdmV0b3hobWlwYmlsbmp1b3drd3VjdG9rbmFmcHdvYXBmdGNsemhwaHhjY2F0dGh1bXZ3a  
HpvbWFmd3Fxbmxzb3lhYnV0bHpwaWF0Zm1tYWprcmR2bGN6d2pwc3Nwb2FiaWZpcGhrb2NocHRrYXRrYWZlb255YmZpdmVj  
bGR6b2ZhdGV0Z2FsaGFmYW1vYXlvc291bm5hZmlhdGNqdGl3b29sYWNya2N1YWRwdXRreWxweXBiZ2ZlcHdwc25jd2tjd2xsY  
XJ5anNjYW5id3BkcHpicHR1dG5sbm9wd3BpdGJsb3RsbHppZmtsYWF1cmpwaWFqZnB0a2ZteHBic3VjdmppZ21jYwXhbnRyc2  
NrYmt1eWZnYWFrZmFjbmxdXZxZR5amdqbW5hZWFjbmdheGNuYW1qbWlna2tpdW1sbmR3Y2tdWFuYW52cnJiZnp4enl1dW  
Vob25lbWxjanp1dm9hanVmZGdqampjZ21ucHRmdXVjdWJjdGpoYW1sb2xmaG9pZnZia2themNwb3pjeXVjYnJnb2picG5haGNne  
XV0dGR2bXR0dndqbWhic2ptYmJhdmNkbHlob3Fqb21wY3B2aHRrb2FpcnZ0bWtmZnlhdGttcHR1dW9vb2xncG5udWVsaGZodn  
Zpc3Vrd3lubWlhY25sbHVtaHRqZwt1YXV1cGxyeGtpZXB1anhsaWNma2NiY2htbmdsZ3BsaWhteWNYbnNvbWF3dWZ1b29tdXV  
uaGRvb2FydWRhbW9hbW9ocW9vY2Z1cGp1aWFieHh1dnl2bm9zb3Vvb3Zha2xjZmt0eXJmYWdmYXI2cHVmdnBiZ3RhZmVraX  
BpY292dGZ0bnV4c2phdmpkcWt2ZnVpa2x0bWRrYmJua3BhZnhycXBmZ2N0dmFzY3VqamN1Y2h1YXpjaXVtdHRkbmF3aWhtb  
W9qZmJoeHZvbXRmcGJmaHR2aXdsYXVlb2dwcG1qc3BjYwXmaGNhcmtsYmlzcGh0anBhbhmhsaXNwbNra2tjBgnZ2tjenRma  
G5lY25wdGlmZnRyZG10amZla2ZpdGthc2RnbmVscHVoYmZpbXB1Y2JrcGtjbxhsZmtwaWlqdmh0amtzeWx6cm9vZmFjeGNscGp  
uaGJpcmN5ZGp0Y2xqZG9ibHlyeW1hdGdoaWZvam1qanNla29vbW9mY2FjdGF2ZmN5Zm11Znhoc3Rqd3VwYmpreW9bnlyeXB  
seXBxbGF5eW1veHRhbnFkchVYynd6cGxsb2traGhtYW5kam5hdGNibGtj3Rna2x1dHR3YmRhdHFybWF6cHJ2YXd6anhlZmhqd  
GRaWt1cmxsY2xjam9naG1sd3RhbWRkY2NucXVyb3Jha2N5b2JsYXJ6YWNtbnFjbWV0dHVheWF1eWl2c21ma25uYW5sdGNta  
WdmcmdhYmlwdG50aG1tdXRwaWJ5bHJhdGhqY2doY2ZtbG92cGNudHFwZW96bG90ZGtlaW9jZmtjaXZ1eWx6Ympvb3hjc2Fjb  
mdkdXZ4dG50aGphZXBhdX1rbGFocGNtdnppY2twYWFwaG9jZ2lvZ2p0dnB0Z2poZG9udW5scGFvbG5kcWJxZmRtYnBqam94Y  
m9tbGlreXVpcG54cXh6Y2lmb3JhaGhldXI5dHpoanV0Z2Z3dHVscmpjZnhvaWFneWpmYnBqaWFrZ3I0eGJmbnBsZnBxd3RkaXF  
uaXR2dmF1amRqbGlmamlvcnltdmZ4bXhnb3JpY3ljZGZob2ZiYnlnZmxhdGlyamRpZGFkcXZpa2pvY2l5ZmR6aHJvZ255eWlia2dub  
nZobWpsb2xhdndmaWpjZ2dma3B0a3BnY3FmYWZheXNpdHltYWN2a3FweWxoaGJ1Ymh4c2x1emN5dmxvcmlwdGxwZmxjdWljc  
G5mc2hpeXh2a2tiY2p5dWtdGFsZmNpcGhjZGd4aWZ0a2xkZ29wanNtdXJ0eWp5cGhia2JmbmJ3YnNvZmlheHRsdWhwbXJmZ  
GFrdWx1cGVhcHZyeXhtYWFvwaGF5bmV4emZsbmV2am1pYndvcml0aGh4YmJ5cG1tYWJvYmZuZmNvanR0Y3Jram1naXJ2bWlz  
dW5mbHVodGVudHJodGVvamtjaGtwZnBhZnXNnd2dscWRrdnZudWx1bnF7bG1sdGFscGhvdWZqcGlhbGNmbGZ5ZHmd3lkb2Z  
raGFpeWF3bGx3Y2pvYXJxdnqbGZmZ2xdGNsYmxwa2JzZmxocnRqZGFvd3ByZGJjdWJmbHlveWJodmh3ZndvZWl0Z254Ynpua  
WZwbGx4bXN0a251aWhvYmZlZWZra2FreW5uYWNra2NkdWFtZ3N2bnBoY3RmZ3NybnJvZWh2ZW5kYmZpb21xZm14Ym1paWl  
1bGF2b2dma2dhY2lrYWFtcHBybGpmbXBqY3VhYXNja2l1cWlmlY2liamx1dGNtcGF0b2pyanZmeGdsenBvcGpkZ2NoanVqbGtuZn  
d0cG5qZnBhY3JrcHRmaGNzamdyaxBjcmZjZGFsem5ob25mZGNvaG9zZmhvaGVha250aXRtamZsbmJvcGNsY3hjdWlnb3hja3Ji  
YWxyYVWidGFhcm0ZWZtemNxaWRvZmd0ZnFnYmFkaWNubWhvdGlvb9iZnlubGdvenRkYXZ2aW14b2JvdGlra2Z4d2lyb3JwZ  
mNjdXpob3BoZmRjaWVrY2p5b21lamtjZ2Zmam51bmhvcGFkdGZndG1sdA==

# Base64编码转换



```
V4emZsbmV2am1pYndvcml0aGh4YmJ5cG1tYWJvYmZuZmNvanR0Y3Jram1naXJ2bW1zdW5mbHVodGVudHJodGVvamt_jaGtwZnBhZXNd2dscWRrdnZudWx1bnF7bG1sdGFscGhvdWZqcG1hbGNmbGZ5ZHmd31kb2ZraGFpeWF3bGx3Y2pvYXJxdnpuqbGZmZ2x_jdGNsYmxwa2JzZmxocnRqZGFvd3ByZGJjdWJmbH1veWJodmh3ZndvZW1OZ254YnpuaWZwbGx4bXN0a251aWhvYmZ1ZWZra2FreW5uYWVra2NkdWFtZ3N2bnBoY3RmZ3NybnJvZWh2ZW5kYmZpb21xZm14Ym1paW11bGF2b2dma2dhY21rYWVtcHBybGpmYXBqY3VhYXNja211cW1mY21iamx1dGNtcGF0b2p2anZmeGdsenBvcGpkZ2NoanVqbGtuZnd0cG5qZmBhY3JrcHRmaGNzamdyaxBjcmZjZGFsem5ob25mZGNaVaG9zZmhvaGVha250aXRtamZsbmJvcGNsY3hjdW1nb3hja3JiYWxyYWVidGFhcm1OZWZtemNxaWRvZmd0ZnFnYmFkaWVudG1vbm9iZn1ubGdvenRkYXZ2aW14b2JvdG1ra2Z4d21yb3JwZmNjdXpob3BoZmRjaWVrY2p5b211amt_jZ2Zmam51bmhvcGFkdGZndG1sdA==
```

解密为UTF-8字节流

```
kgkhlfcotntiufpghhtcwjckcmownpckmwlygtlpmfkgyaaihucdlatoyucoiggrplkvkamarktqzxemmiwklhuaekceolpocfntahmgfmava_jnbcpm1tjtpufjcapcto_jpbfbfbjwhualggyjnamcbfyacjbaxkixlmmqiksmptqyojertfektddxbtrxcangymsimhvuwktexsgrltpgaktbmfucgvnmjtjufoekymtlimxdi_jjpxyitabpmkucnclkoetgcdcposkizvxyrtzxraxtnoihqcxfoaaalpa_jyckekbycfvjomllkajgymgfdcrpeqklfscme_jicpjikcppacxyevfkyepbkdzcfllikqnitckbhjorndhsomftyapahpqoxryimhflchcmkoretmrotkarc_jthmftilijnykutihbztumsngftlmbfflftwcnjmfatlfbzloktlpllmf_i_cokppnpacmfugmpundvtomwevc_jsgajgfequupaietyfnfjbbpjslvynafmlppdkttofuzjijxibfirmovpzekirbsfjsgzlukeleyvohmvgcpkthsfzmmbnmldzyuicdvkmbzaybtorcfortdamccnbpnrgxlcphyfncexbvdnlkogoyilprlonshtckjtxnbjhlmbpdcmhkjnlgmtgjn_j
```

Base编码系列: [Base64](#) [Base32](#) [Base16](#)

Base64编码是使用64个可打印ASCII字符 (A-Z、a-z、0-9、+、/) 将任意字节序列数据编码成ASCII字符串, 另有 "=" 符号用作后缀用途。

复制下来

```
kgkhlfcotntiufpghhtcwjckcmownpckmwlygtlpmfkgyaaihucdlatoyucoiggrplkvkamarktqzxemmiwklhuaekceolpocfntahmgfmavajnbcpmltjtpufjcapcto_jpbfbfbjwhualggyjnamcbfyacjbaxkixlmmqiksmptqyojertfektddxbtrxcangymsimhvuwktexsgrltpgaktbmfucgvnmjtjufoekymtlimxdi_jjpxyitabpmkucnclkoetgcdcposkizvxyrtzxraxtnoihqcxfoaaalpa_jyckekbycfvjomllkajgymgfdcrpeqklfscme_jicpjikcppacxyevfkyepbkdzcfllikqnitckbhjorndhsomftyapahpqoxryimhflchcmkoretmrotkarc_jthmftilijnykutihbztumsngftlmbfflftwcnjmfatlfbzloktlpllmf_i_cokppnpacmfugmpundvtomwevc_jsgajgfequupaietyfnfjbbpjslvynafmlppdkttofuzjijxibfirmovpzekirbsfjsgzlukeleyvohmvgcpkthsfzmmbnmldzyuicdvkmbzaybtorcfortdamccnbpnrgxlcphyfncexbvdnlkogoyilprlonshtckjtxnbjhlmbpdcmhkjnlgmtgjn_jakrizllpmmalpxamuninupkpdiapsmvkdjvgiyodumpnapljkjbcfhthskioipgtyhndsxkqjzwdoseppoigytmnnavctopdyixvbdosobmcubiuajxyhkrvkrzgcuyilpvawaynqaaplkwiiixrctclxfjlpreammjnaujcouifmvikfiroaqtctcfmaubgagokarfghemosrtyfopukudcaaimhdfognhrkelcpactcptyjlavoklgclattmtzygpehfkzhctzngmofcizlvnxtluaajtovcjajubzatpehhfknggplylilfeaidmyjtacamxcnkfystwfnflynbmkckarxaispjkvctvklxuncfpxviriqeypmuvulvjckypptpvetoxtmhipbilneowkwuctoknafpwoapftclzphxcatthumvwhzomafwqnlsoyabutlziatfmmajkrdvlczwpjsspoabifiphkochptkatkafeyonbyfivecldzofatetgalhafamoayosounnafiatcijiwoolacrkuadputkylpybgfepwpsncwkcwllaryjscanbwpdpzbtutnlnopwpi_tblotllzifklaaurjpi_ajfptkfm_xpbsucvjs_gmcalantr_sckbkuyfgaakfacnlduvqetyjgmnaeacngaxcnam_jmigkkiumlndwckmuananvrrbfzzyuuehonemlcjuvoajufdgjjcgmnptfuucubctjhamlolfhoifvbkkazcpozcyucbrgojbpnahcguyttvdvmttwjmhbsjmbbavcdlyhojqomp_cpvhtk_oairvmtkffyatkmp_tuuoo_lgpnnuelhfhvvisukwynmiacnllumhtjekua_uuplr_xkie_puj_xlicfcbchmnglgplihmycrnsomawufuoomuunhdoarudamoamohqoocufuj_iabxxuvynosouoovaklcfktyrfagfayvpufvpbgtafekipicovftnuxsjavjdkvfui_klmdkbbnkpafxrqpf_gctvascujj_cuchua_zci_umtdnawihm_mojfb_hxvomt_fpb_fhtvi_wlaeogppm_jspcalfh_carklbi_sph_tjpanhlis_pntsk_kcljggkc_zfthnec_nptifftrdmt_jfekf_ik_tkasdgnelpuhbfimpucbkpkcm_xlfkpi_jvhtjksyl_zroofacxclpjnhbircy_djclj_doblyrmatghifo_jmijsekoomofcactavfycfmufxhstjwupbjkyognyryplypqlaymoxtanqdpurbwzpllok_khhmandjnatcblkcotgkluttwbdatqrmazprvawzj_xefhtjd_kikurllc_lcjog_hmlwtamddccnqurorakcyoblarzacmncqmettuayayuisvmfknannlcmigfrgabi_tnthmmutpibyl_rathjcg_hcfml_ovpcntqpeozlotdkeiocfk_civuy_lzb_joo_xcsacng_duvxtnthjaepau_klahp_cmvzickpaaphocgiogjvtptgjhdonunlpao_lndqbqfdmbpij_oxbomli_kyui_pnxqz_xciorahhe_uyytzhjutgfwtulrjcf_xoiag_yfjbp_jiakgyt_xbfnplfq_wtdiqnitwa_ujdjlifjiorymvfxm_xgoricycdfhofbbygflatir_jdidad_qvikj_ociyfdzhrognnyyibkg_nnmhmlola_wfijcg_gfkptkpgcqfafaysitymacvkpyllhbhubhxsluzcyvl_riptl_pfcuicpnfshiy_xvkkbcjyukotalfciphcdg_xifkldg_opj_smurtyjyph_bkfbnbwbsofia_xtluhp_mrdakulupeapvry_xmaephaynex_zflnev_jmibwori_thxbby_pmmabobfnfcojttcrkjmgirvmisunfluentr_hteojkch_kpfaes_gwglqdkvvnulunq_lmltalp_houfj_pialcflfydvfydofkhai_yawllwcjoarqv_zjffglctcblplpkbsflhrtjdaowprdbcubflyoybhvhfwfoeit_gnxbznifpllxmstknui_hobfeefkakaynnack_kcduam_gsvnphctfgsrnoehvendbfiom_qfm_xbmiii_ula_vogfkgacikaampprlijfmpjcu_aasckiuqifcibj_lutcmp_atojrjvfxglzpopjdgchjujknfwtpnjfpacr_kptfhcs_jgrjpcrfdal_zhondcohosf_hoheakntim_jfnbopclcxuigoxckrbalraebtaaritefmz_cqidofgtfqgb_adicnmhotionobfynlgoztdawim_xobotikkfxwirorpfc_cuzhophfdciekcyjomej_kcgffjnunhopad_tfgtm1t
```

统计字频



可以用网站，也可以用脚本

网站：

语料库在线-字词频统计 (zhonghuayuwen.org)



文字内容 (最长10000字) : 共 3160 字符

只要汉字

字频统计

词频统计

下载结果

0	l	170	5.3797
7	o	164	5.1899
8	k	159	5.0316
9	m	152	4.8101
10	i	145	4.5886
11	j	139	4.3987
12	n	133	4.2089
13	u	128	4.0506
14	h	116	3.6709
15	b	109	3.4494
16	y	106	3.3544
17	g	100	3.1646
18	v	92	2.9114
19	r	87	2.7532
20	d	79	2.5
21	x	73	2.3101
22	e	68	2.1519
23	s	61	1.9304
24	z	54	1.7089
25	w	48	1.519
26	q	41	1.2975
27	{	1	0.0316
28	}	1	0.0316

序号 字词 出现次数 出现频率

1 a 198 6.2658  
2 c 194 6.1392  
3 t 188 5.9494  
4 f 180 5.6962  
5 p 174 5.5063  
6 l 170 5.3797  
7 o 164 5.1899  
8 k 159 5.0316  
9 m 152 4.8101  
10 i 145 4.5886  
11 j 139 4.3987  
12 n 133 4.2089  
13 u 128 4.0506  
14 h 116 3.6709  
15 b 109 3.4494  
16 y 106 3.3544  
17 g 100 3.1646  
18 v 92 2.9114  
19 r 87 2.7532  
20 d 79 2.5  
21 x 73 2.3101  
22 e 68 2.1519  
23 s 61 1.9304  
24 z 54 1.7089  
25 w 48 1.519  
26 q 41 1.2975  
27 { 1 0.0316  
28 } 1 0.0316

显然，flag是按照字频从大到小排列的（{和}除外）

flag{plok mijnuhbygvrdxeszwq}

[脚本](#)



```

import re

file = open('18.txt') #根据路径自行调整
line = file.readlines()
file.seek(0,0)
file.close()

result = {}
for i in range(97,123):
    count = 0
    for j in line:
        find_line = re.findall(chr(i),j)
        count += len(find_line)
    result[chr(i)] = count
res = sorted(result.items(),key=lambda item:item[1],reverse=True)

num = 1
for x in res:
    print('频数第{0}: '.format(num),x)
    num += 1

```

不过使用脚本会有一点点小问题，那就是{和}没有给统计上（不知是因为频率太低还是特殊字符的原因，这时就需要我们给它加上了

频数第1: ('a', 198)  
 频数第2: ('c', 194)  
 频数第3: ('t', 188)  
 频数第4: ('f', 180)  
 频数第5: ('p', 174)  
 频数第6: ('l', 170)  
 频数第7: ('o', 164)  
 频数第8: ('k', 159)  
 频数第9: ('m', 152)  
 频数第10: ('i', 145)  
 频数第11: ('j', 139)  
 频数第12: ('n', 133)  
 频数第13: ('u', 128)  
 频数第14: ('h', 116)  
 频数第15: ('b', 109)  
 频数第16: ('y', 106)  
 频数第17: ('g', 100)  
 频数第18: ('v', 92)  
 频数第19: ('r', 87)  
 频数第20: ('d', 79)  
 频数第21: ('x', 73)  
 频数第22: ('e', 68)  
 频数第23: ('s', 61)  
 频数第24: ('z', 54)  
 频数第25: ('w', 48)  
 频数第26: ('q', 41)

flag{plokmiijnuhbygvrdxeszwq}

### 3.flag

flag{plokmiujuhbygvrdxeszwq}