

```

l4.append(l3)

l3=[]

l4.sort(key=len,reverse=True)

max_length=len(l4[0])

for i in l4:
    if len(i)==max_length:
        l5.append(i)

def apna_fun(lst):
    a,b=lst[0]
    d=max(len(l2[ord(a)-97]),len(l2[ord(b)-97]))
    return(d-len(lst)+1)
l5.sort(key=apna_fun)

for i in range(k):
    l6.append(l5[i][0])
print(l6)

```



```
l=list(map(eval,input().split()))
```

```
k=int(input())
```

```
l1=[]
```

```
l2=[]
```

```
l3=[]
```

```
l4=[]
```

```
l5=[]
```

```
l6=[]
```

```
a,b=l[-1]
```

```
for i in range(97,ord(a)+1):
```

```
    for j in range(len(l)):
```

```
        if l[j][0]==chr(i):
```

```
            l1.append(l[j][1])
```

```
    l2.append(l1)
```

```
    l1=[]
```

```
for i in range(len(l2)):
```

```
    for j in range(i+1,len(l2)):
```

```
        l3.append((chr(i+97),chr(j+97)))
```

```
    for z in range(len(l2[i])):
```

```
        if l2[i][z] in l2[j]:
```

```
            l3.append(l2[i][z])
```