

Python assignment r

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B-Tech (1st yr)

Q.1 → l = list(map(eval, input().split())) 29

k = int(input())

Section - A

l1 = []

l4 = []

l2 = []

l5 = []

l3 = []

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])
```

```
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-funct (lst):
```

```
    a, b = lst[0]
```

```
    d = max(len(l2[ind(a)-97]), len(l2[ind(b)-97]))
```

```
    return (d - len(lst) + 1)
```

```
l5.sort(key=apna-funct)
```

```
for i in range(K):
```

```
    l6.append(l5[i][0])
```

```
print(l6)
```