

```
#!/usr/bin/python3
import sys
import numpy as np

prevKey=None
centroids=None

for line in sys.stdin:
    data=np.array(eval(line))
    dataVal=data[1:]
    key=data[0:1]
    #print(key)
    if((prevKey!=None) and (prevKey!=key)):
        print(str(centroids.mean(0).tolist()))
        centroids=None
    if(prevKey==key):
        centroids=np.vstack((centroids, dataVal.reshape(1,len(dataVal))))
    else:
        centroids=dataVal.reshape(1,len(dataVal))
    prevKey=key
if(prevKey!=None):
    print(str(centroids.mean(0).tolist()))
```