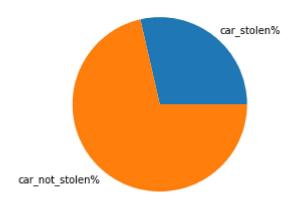
```
In [2]: import numpy as np
import pandas as pd
import csv
import matplotlib.pyplot as plt
def probality(DATA):
   n=len(DATA)
   yescount=0
   nocount=0
    for line in DATA:
        if line[-1]=='yes':
            yescount+=1
        else:
            nocount+=1
   pyes=yescount/n
   pno=nocount/n
    return pyes,pno,yescount,nocount;
def Conditition(DATA,x,col,yescount,nocount):
   xyes=0
   xno=0
   for line in DATA:
        if line[col]==x:
            if line[-1]=='yes':
                xyes+=1
            else:
                xno+=1
    pxyes=xyes/yescount
   pxno=xno/nocount
    return pxyes, pxno
def main():
   file=r"C:\Users\AMC College\Desktop\DATA SET\car (2).csv"
   temp=pd.read csv(file)
   display(temp)
   data=[]
    fd=csv.reader(open(file))
   for line in fd:
        data.append(line)
   DATA=data[1:]
   print("Enter your new car feature color, type, origin")
   x,y,z=input().split()
    pyes,pno,yescount,nocount=probality(DATA)
   pxyes,pxno=Conditition(DATA,x,0,yescount,nocount)
   pyyes,pyno=Conditition(DATA,y,1,yescount,nocount)
   pzyes,pzno=Conditition(DATA,z,2,yescount,nocount)
   resyes=pxyes*pyyes*pzyes*pyes
    resno=pxno*pyno*pzno*pno
   Percentageyes=(resyes/(resyes+resno))*100
   Percentageno=(resno/(resyes+resno))*100
   Pex=[Percentageyes, Percentageno]
   label=["car_stolen%","car_not_stolen%"]
   plt.pie(Pex,labels=label)
   plt.show()
    print("Percentages yes=",Percentageyes,"Percentage no=",Percentageno)
```

main()

	color	type	origin	stolen
0	red	sports	domestic	yes
1	red	sports	imported	no
2	yellow	suv	imported	yes
3	red	sports	domestic	yes
4	red	sports	imported	no
5	yellow	suv	imported	yes
6	yellow	suv	imported	yes
7	yellow	sports	imported	no
8	red	sports	domestic	no
9	red	sports	imported	no

Enter your new car feature color, type, origin red sports domestic



Percentages_yes= 28.571428571428577 Percentage_no= 71.42857142857143

In []: