import csv

with open("CandidateElimination.csv") as f:

csv\_file = csv.reader(f)

data = list(csv\_file)

s = data[1][:-1]

g = [['?' for i in range(len(s))] for j in range(len(s))]

for i in data:

if i[-1] == "Yes":

for j in range(len(s)):

if i[j] != s[j]:

s[j] = '?'

g[j][j] = '?'

elif i[-1] == "No":

for j in range(len(s)):

if i[j] != s[j]:

g[j][j] = s[j]

else:

g[j][j] = "?"

print("\nSteps of Candidate Elimination Algorithm", data.index(i) + 1)

print(s)

print(g)

gh = []

for i in g:

for j in i:

if j != '?':

gh.append(i)

break

print("\nFinal specific hypothesis:\n", s)

print("\nFinal general hypothesis:\n", gh)