CANDIDATE-ELIMINATION ALGORITHM

In [3]:
```python
import pandas as pd
```

In [4]:
```python
df=pd.read_csv("program1.csv")
spe_df=df.loc[df["enjoysport"].str.upper()=="YES"]
gene_df=df.loc[df["enjoysport"].str.upper()=="NO"]
spe_df=spe_df.iloc[:,:-1]
gene_df=gene_df.iloc[:,:-1]
base=spe_df.iloc[0]
for x in range(1,len(spe_df)):
    base=base.where(spe_df.iloc[x]==base,other="???")
print("Specific:-\n",base.values)
for x in range(len(gene_df)):
    base=base.where(base!=gene_df.iloc[x],other="???")
print("General")
for i,x in enumerate(base):
    if x!="???":
        l=["???"]*len(base)
        l[i]=x
        print(l)
```

```
Specific:-
 ['sunny' 'warm' '???' 'strong' '???' '???']
General
['sunny', '???', '???', '???', '???', '???']
['???', 'warm', '???', '???', '???', '???']
```