```
l=[["round","triangle","round","purple","yes","yes"],["square","square","gr
een","yes","no"],["square","triangle","round","yellow","yes","yes"],["round","triang
le","round","green","no","no"],["square","square","round","yellow","yes","yes"]]
for i in 1:
    print(i)
print()
print()
print("-----")
h=["Null",]*5
print(h)
x=1
for i in 1:
    x+=1
    if(i[-1]=="yes"):
        h=i[:-1]
        print(h)
        break
    print(h)
for i in l[x:]:
    if(i[-1]=="no"):
        print(h)
        continue
    for j in range(len(i[:-1])):
        if(i[j]!=h[j]):
             h[j]="?"
    print(h)
print()
print()
print("-----")
print()
g=["?",]*5
x=0
for i in 1:
    if(i[-1]=="yes" and x==0):
        h=i[:-1]
    elif(i[-1]=="yes"):
        for j in range(len(i[:-1])):
             if(i[j]!=h[j]):
                 h[j]="?"
    else:
        L=[]
        for j in range(len(h)):
             if(h[j]=="?"):
                 continue
             elif(h[j]!=i[j]):
                 L.append(["?",]*j + [h[j],]+ ["?",]*(5-j-1))
```

```
else:
    h[j]="?"

g=L[::]
if(g==[]):
    print(["?",]*5)
    continue
print(g)
```

```
iDLE Shell 3.10.11
File Edit Shell Debug Options Window Help
    Python 3.10.11 (tags/v3.10.11:7d4cc5a, Apr 5 2023, 00:38:17) [MSC v.1929 64 bit (AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
    ['round', 'triangle', 'round', 'purple', 'yes', 'yes']
    ['square', 'square', 'square', 'green', 'yes', 'no']
    ['square', 'triangle', 'round', 'yellow', 'yes', 'yes']
    ['round', 'triangle', 'round', 'green', 'no', 'no']
    ['square', 'square', 'round', 'yellow', 'yes', 'yes']
    ----- SPECIFIC -----
    ['Null', 'Null', 'Null', 'Null', 'Null']
    ['round', 'triangle', 'round', 'purple', 'yes']
    ['?', 'triangle', 'round', '?', 'yes']
    ['?', 'triangle', 'round', '?', 'yes']
    ['?', '?', 'round', '?', 'yes']
    ----- GENERAL -----
    [121, 121, 121, 121, 121]
    [['round', '?', '?', '?'], ['?', 'triangle', '?', '?'], ['?', '?', 'round', '?', '?'], ['?', '?', 'purple', '?']]
    [['round', '?', '?', '?'], ['?', 'triangle', '?', '?'], ['?', '?', 'round', '?', '?'], ['?', '?', 'purple', '?']]
    [121, 121, 121, 121, 121]
    ['?', '?', '?', '?', '?']
```

Ln: 28 Col: 0



























