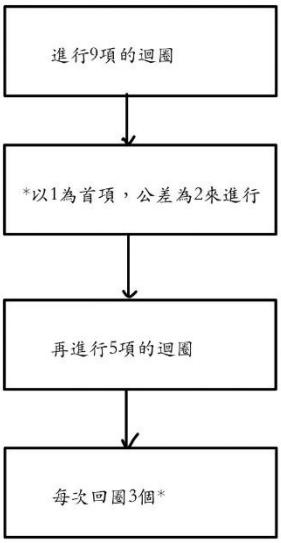
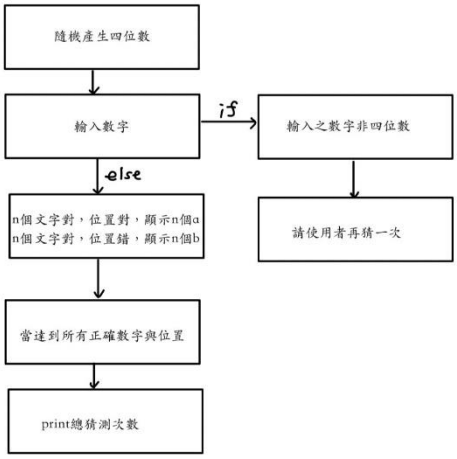
```python
r=8
k=1
for  a  in  range(9):
        print(('  ')*(r)+('*')*(k))
        r=r-1
        k=k+2
for  b  in  range(5):
    print(('  ')*7+('*')*3)
```

```
          *
         ***
        *****
       *******
      *********
     ***********
    *************
   ***************
  *****************
          ***
          ***
          ***
          ***
          ***
```




```python
import  random
ans=random.sample(range(0,10),4)
print(ans)
num=0
a=0
while(a!=4):
    a=b=n=0
    num+=1
    guess=list(input('輸入四個數字'))
    if  len(guess)>4:
        print('只能輸入四位數!再輸入一次')
        print('')
    else:
        for  k  in  guess:
            if  int(guess[n])==ans[n]:
              a+=1
            else:
                if  int(k)  in  ans:
                    b+=1
            n+=1
        output=','.join(guess).replace(',','')
        print(f'{output}:{a}A{b}B')
        print('')
print(f'答對了!總共猜了{num}次')
```

```
[6, 9, 3, 7]
輸入四個數字6755
6755:1A1B

輸入四個數字67555
只能輸入四位數!再輸入一次

輸入四個數字6397
6397:2A2B

輸入四個數字6973
6973:2A2B

輸入四個數字6937
6937:4A0B

答對了!總共猜了4次
```