```python
l=list(map(str,input("enter two strs: ").split()))
s1,s2=l[0],l[1]

if s1==s2[::-1] or s1==s2:
    print("Anagram")
elif len(s1)!=len(s2):
    print("not an Anagram")
else:
    def ana(s1,s2):
        d={}
        for i in s1:
            if i in d:
                d[i]+=1
            else:
                d[i]=1
        for i in s2:
            if i in d:
                d[i]-=1
            else:
                return "not an Anagram"
        return "Anagram"
    print(ana(s1,s2))


##################################################

if len(s1)!=len(s2):
    print("not an Anagram")
else:
    c=len(s1)
    for i in s2:
        if i in s1:
            c-=1
        else:
            print("not an Anagram")
            break
    else:
        print("Anagram")
```