**SHIFTING VOWELS ALONE RYT SIDE:**

b=int(input())

C=0

l=[]

l2=[]

l3=[]

temp=0

d1=[]

for i in range(0,b):

a=input()

for i in a:

l2.append(i)

#print(l2)

for i in range(0,len(l2)):

if l2[i]=='a' or l2[i]=='e' or l2[i]=='i' or l2[i]=='o' or l2[i]=='u' or l2[i]=='A' or l2[i]=='E' or l2[i]=='I' or l2[i]=='O' or l2[i]=='U':

l.append(l2[i])

l2[i]='$'

l3.append(i)

else:

continue

print(l2)

print(l3)

print(l)

e="".join(l)

d=(e[-1]+e[0:-1])

print(d)

for i in d:

d1.append(i)

print(d1)

c=0

for i in range(0,len(l2)):

if l2[i]=='$':

l2[i]=d1[c]

c+=1

else:

continue

print(l2)

l=[]

l1=[]

l2=[]

d1=[]

ANOTHER APPROACH:

b=int(input())

C=0

l=[]

l2=[]

l3=[]

temp=0

d1=[]

for i in range(0,b):

a=input()

for i in a:

l2.append(i)

print(l2)

l1=['A','E','I','O','U','a','e','i','o','u']

for i in a:

if i in l1:

c=a.index(i)

l3.append(c)

l.append(a[c])

e="".join(l)

d=(e[-1]+e[0:-1])

print(d)

print(l)

print(l3)

for i in d:

d1.append(i)

print(d1)

l5=[]

v=0

for i in range(0,len(l2)):

print(i)

if i in l3:

l5.append(d1[v])

v+=1

else:

l5.append(l2[i])

print(l5)

l=[]

l2=[]

l3=[]

d1=[]

l5=[]