import random

options = ('R','G','B','P')

first = random.choice(options)

second = random.choice(options)

third = random.choice(options)

fourth = random.choice(options)

computer=[first, second, third, fourth]

print(computer)

human= input('Make a guess')

human=list(human)

for i in range(4):

if computer == human:

print('Huzzah!')

break

for i in range(1):

if computer[0]==human[0]:

Q=human[0]

print("B")

for i in range(1,2):

if computer[1]==human[1]:

X=human[1]

print("B")

for i in range(2,3):

if computer[2]==human[2]:

Y=human[2]

print("B")

for i in range(3,4):

if computer[3]==human[3]:

Z=human[3]

print("B")

for i in range (1):

if human[0]==computer[1]:

S=human[0]

print("W")

for i in range (1):

if human[0]==computer[2]:

print("W")

T=human[0]

for i in range (1):

if human[0]==computer[3]:

print("W")

U=human[0]

for i in range (1,2):

if human[1]==computer[0]:

print("W")

V=human[1]

for i in range (1,2):

if human[1]==computer[2]:

print("W")

L=human[1]

for i in range (1,2):

if human[1]==computer[3]:

print("W")

M=human[1]

for i in range (2,3):

if human[2]==computer[0]:

print("W")

N=human[2]

for i in range (2,3):

if human[2]==computer[1]:

print("W")

O=human[2]

for i in range (2,3):

if human[2]==computer[3]:

print("W")

A=human[2]

for i in range (3,4):

if human[3]==computer[0]:

print("W")

C=human[3]

for i in range (3,4):

if human[3]==computer[1]:

print("W")

D=human[3]

for i in range (3,4):

if human[3]==computer[2]:

print("W")

E=human[3]