c=int(input("Choose number of checks:"))

for i in range(c):

print("Hello Electrician, let's start the machines")

n=int(input("Give number of motors:"))

for i in range(n):

V=float(input("Give nominal voltage:"))

f=float(input("Give nominal frequency:"))

print(V,"V","/",f,"Hz")

power=int(input("Give state of motor:"))

y="-1"

if bool(power)==True:

print("ONLINE")

mf=V/f

print(mf)

for i in range(2):

if mf<4:

print("ERROR")

else:

print("OK")

curr=input("Give reference current:")

curr=curr+"t"

if curr>="uvwt":

print("END OF CONTROL")

y="0"

else:

print("START OF CONTROL")

y="1"

else:

print("OFFLINE")

print("Hello Programmer, let's begin the function")

for i in [0,2,4,6,8,10,12,14,16]:

print("State of motor:(",i\*2-16,")",end="\n",sep="")

x=input("Choose state of motor:")

if x>"0" or x<"0":

print("ON\_"+x)

if y=="1":

print("RUN CONTROL")

elif y=="0":

print ("STOP CONTROL")

elif y=="-1":

print("ERROR")

else:

print("OFF")

print("Bye Bye Electrician")