EXP-6 VACCUM CLEANER PROBLEM

PROGRAM’

def vaccum(environment,current\_position):

actions=[]

status\_a,status\_b=environment

print("Initial Condition of environment: ",environment)

for \_ in range(2):

if current\_position=='A':

if status\_a=='Dirty':

actions.append("Suck")

status\_a='Clean'

actions.append("Right")

current\_position="B"

elif current\_position=="B":

if status\_b=="Dirty":

actions.append("Suck")

status\_b='Clean'

actions.append("Left")

current\_position='A'

print("Final Environment; A= ",status\_a,",B = ",status\_b)

return actions

env =['Dirty','Dirty']

start='A'

steps=vaccum(env,start)

print("Actions: ",steps)

OUTPUT

