Algorithm to vacum cleaner for Lading while status of moom 1 and mooms not equal to Sho to noom I and check status

A status == disty, begin suck uptil status

Le clean steps Grots soons and check status

A status == dinty, begin suck until status => classes

step4 Stopstep2 got to show I and check status, It status == clan, set status of soon I de set variable flag == 0 go to noom 1 and check states,

If status = = clean, set flog = 1
else begin suck and set flog = 1 after clean go to soom 2 and check status,

I status = - clean, set flag = flag + 1

else begin suck and set flag = flag + 1 afler clean 11 flog! = 2 Ropert 8 leps 2 13 until flog==2 deij /les == 2, Slop.

Percept sequence 1 9 som 2 go to som 2 1 room 1, go to some 2 some, clean 1) Room 1, go to Room 2 D Goom 2, clean 3) noon 2, go to room 1 clay Vacum Clarge. del will (elf26, 418. Fley/20 jamy! Fale, Jeaph 2' Falle class Vaccum (leaner Agent: de init (self, envorment): self environment - environment self. cleared cells = 0 self. position = (0,0) de clen (self): while Trus: x,y = self position self. environment (x)(y) = 'D'.

solf. cleaned cells += 91

paint (F (hand points Szelf. points)") next position = self. find - host disty () of hest position:

print (Filmany to part day posturate print (1 ND have dinty soon ford: (Pany of

det find hart dusty (self).

for i in songe (len (self. environa)).

For j in songe (len (self. enverona)):

if self. enveronal [i][j]=>1b. return (i, i) rehon None del display eniment (self):

For You in solf enimant!

print (" ". Join (2013)

print (" "Total closed cells: Sself closed cells)") initial environment = [

[b'/c', b', 'b']

['b'/c', b', 'b']

['b'/c', b'] egent - Vacoum (leaerAges (initial environm) agent. diplay anulant agent, clear () print ("In Final environment")

agent. display enount()

Output: Total closed cells ! O closed poston (0,0) No more dirty call found. (Final environment: Total cleared soms: