

```
ehir move _ b _ nod room.
class Vocum clooms:
deb -init- (set, instial bocation):
         Self. location = in it al -loc auton
     def move-left (self);
         print (" Moving left ")
        Self . Location = A
    def move_vight (self);
          Print ("moving viges ")
     self. Location = B1
     del suck (sell, vom):
          print ("Sucking dirt in Roms ( wom?")
del Simolah - doning():
     in stial-volum-location = Ip (" Ends instell location
              of the vocusm (banes (A/B): 11). upper ()
      Vacoum = vacoum cleans (initial-vocum - Isration)
    YOOM_A-Stak = I/P ( Enks Stak for Rom A
         ( won ld Ny): 11). Loval)
    room -B - Stak = I/p ( Fines Stake for KOONS
         ( clean (divly ): "). lower ()
          rooms = 1
             A' voom A stule,
             B' : voom B-Stak.
     print ( (In instite State !!)
     print ("Vacuum chonn isin Rosm
      { Vaccum . Locaton 3")
```

Print (+ "Room A: { vooms ["A']]") Printh (+" ROMB: { NOM [B 1] 3 (n)) if voms [A'] = = "den" and room (B) = "wan! Print ("Both rooms are already clean. No Cleaning needed 17) the print ["Stanking the cleaning process"] current voom = Vacuum. Locuston cleanted - voom = vacuum, sock (curet-10) if cleaned voom == "dean": vooms [cannot - room] = "clian" if current room = = A' vacuum more right () Curert - voum = 3) Vaccoum move-felt() cured_boom = n1 dean_room = raccoun such (worns room) If chared Noom = = "clean": rooms [current_ vom] = clean! print ("Indaning completed.") pront (" Final Date: 11) Printer Room A: { room ['AI] Bush 1 PomB: Evoom [1B'] 3"} Simolar - claning ()

Enter initial Location of Volum chanes (AIB): B Entratak for koom A (wonling): ding En In Stute for Rooms (chanldirty: divly Intial stak: Vacor chats is in RoomA Room A: Ornhy Room B: divly Starting the cleaning process Suching divt in Room A moving vight Sucking dirt in Room ! dearing completed Finial Stak: Vocam cleans is in RoomB Room A: don RoomB: degn.

is also down

have Seep in de

Output:

O indicates clean and 1 indicates dirty
Enter Location of VacuumB
Enter status of B0
Enter status of other room1
Vacuum is placed in location B
0
Location B is already clean.
Location A is Dirty.
Moving LEFT to the Location A.
COST for moving LEFT 1
Cost for SUCK 2
Location A has been Cleaned.
GOAL STATE:
{'A': '0', 'B': '0'}
Performance Measurement: 2

[] Start coding or generate with AI.