Page No: Date. o: (v+10: Vaccumos cleanes) Agent 3+0+2 10+03 Step 1: Conseder the two location A & B
Step 2: Start the vaccum cleaner agent
Step 3: check the Status (Clean by dist)
in the location A, record the direction, else off the vaccum cleaner.

1: Ask the user to A'

* to clean the room * to move to next location step 5: If the user select 3, then stay on the 400m 3, on move to next location. Step 6: For the location B, start Step 7: Stop the vaccom Cleaner agent Cost Calculation: Enter state of B (0 lon clean, 1 londinty): Enter state of B (0 lon clean, 1 londinty): Enter lo coation (A on B): A Cleaned A Moving va coum night (05+ = Q (A':0, 'B':05

Page No: Date. Enter State of B(O for clean; 1 for dinty): 1
Enter State of B(O for clean, 1 for dinty): 0
Enter location (A oruB): A
Cleaned A Moveng valum night had some (Coston 11+ 10 90) Range! ('A':0; 18':031+ 104 : 1 9942 51 au 911 -1/10 900m molecular time of exam of x step 5: If the user select 00910001 9df 2031 o then stan en the groom 3, OSI MOVED to DEXT 10/01/20 step 6: For the location B. Star from or Repeat from Step Step 7: Stop the vaccom cleaners agent (05) (a) (v) (ch) (11)0 3(0)4 Fie:0 13+1 apply 1901 (3) A 10 ofate Hofa Enter state of Broth deap, I to Here · (8 40 4) 08340101 1834013 A bagget there must ov parvon

OUTPUT

```
Enter state of A (0 for clean, 1 for dirty): 1
Enter state of B (0 for clean, 1 for dirty): 1
Enter location (A or B): A
Cleaned A.
Moving vacuum right
Cleaned B.
Cost: 2
{'A': 0, 'B': 0}
Enter state of A (0 for clean, 1 for dirty): 0
Enter state of B (0 for clean, 1 for dirty): 0
Enter location (A or B): B
Turning vacuum off
Cost: 0
{'A': 0, 'B': 0}
Enter state of A (0 for clean, 1 for dirty): 1
Enter state of B (0 for clean, 1 for dirty): 0
Enter location (A or B): A
Cleaned A.
Moving vacuum right
B is clean
Cost: 1
{'A': 0, 'B': 0}
Enter state of A (0 for clean, 1 for dirty): 0
Enter state of B (0 for clean, 1 for dirty): 1
Enter location (A or B): B
Cleaned B.
Moving vacuum left
A is clean
Cost: 1
{'A': 0, 'B': 0}
```

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