

```
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
Cleaning A.
Moving vacuum right
Cleaning B.
Turning vacuum off
Cost: 3
{'A': 0, 'B': 0}
1BM23CS341
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
Cleaning A.
Turning vacuum off
Cost: 1
{'A': 0, 'B': 0}
1BM23CS341
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): A
Moving vacuum right
Cleaning B.
Turning vacuum off
Cost: 2
{'A': 0, 'B': 0}
1BM23CS341
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
Cleaning B.
Turning vacuum off
Cost: 1
{'A': 0, 'B': 0}
1BM23CS341
```