Vacuum world.

State

```
function vacuum-world():
    goal state = {'A': '0', 'B': '0'}
    cost = 0

    Get location input from user
    Get status input for location-input from user
    Get status input-complement from user

    Print goal state

    if location-input is 'A':
        if input is '1': Clean A, cost++
        if status-input complement is '1': Move to B;
            cost++; clean B; cost++
    else if location-input is 'B':
        if status-input is '1': clean B; cost++
        if status-input complement is '1': move to A;
            cost++; clean A; cost++
    else:
        print "Invalid Location".
    print goal state
    print cost
```