1/10/2024. DATE: PAGE: A. right Vacuum Cleaner 7.5 = 2 "room!": "clean", "room2";

"dirty" }

mom = ["room1", "room2"] Toitialize Input ON from usex : " NO IT jor k, v in & list (&.item()): get room with disty. while (1.2 fn (0,1): 5 = check - room (room[c]) &_stroomtell = randomtalean rstroomz] + = clear & and czc+1 c%2 in (0,1); "dirty" check-room (room) == "dirty") = print (Room " is disty" r-stroom? = elean print("Room (s cleaned") if r_s["roomI"] == "clean" and ~_8["room2"] == "clean" ? return True return False

import random del check room (room): il r-stroom) 22 "dirty": print(b"droom ? ig dirty") 8_s (room) = "clean" print (" room" i's deaned") return Truc et restroom] 22 "clean", print(} & room? is clean) return False return False def all-room clean () return all (status == "clean"] 08 status in r_s-values()) 15 = 1 "rooms": "dirty", "room 2": "dirty"} room z. ["room1", "room2"] on = input la Do governt to toon on (ser mos) if on ze Jes" while True: cleaned any = False for a in asom. elegand a check-room(x) 1 chearedy

PAGE: DATE: cleaned any = True i) all rooms clean (): print (" Both are clean") break if cleaned any s for a in moon r_s[r] = random-choice ("dirty" "clean 9) else: print (" cleaner is off") output: Do you want to turn on Cyes (no) yes room I is clean room2 is dirty room 2 is cleaned room 1 is dirty room! is leaned room2 is clean Both rooms are clean Room1 more celean) right Tritial Room I Room 2 clears eclears (dirty) more Room I Room 2 Room 2 nove Column (alirty) (clean) ext

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Do you want to turn ON the cleaner? (yes/no) yes
room1 is clean
room2 is dirty
room2 is cleaned
room1 is dirty
room1 is cleaned
room2 is dirty
room2 is cleaned
room1 is dirty
room1 is cleaned
room2 is dirty
room2 is cleaned
room1 is dirty
room1 is cleaned
room2 is dirty
room2 is cleaned
room1 is dirty
room1 is cleaned
room2 is dirty
room2 is cleaned
Both rooms are clean. Exiting.
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