hab-5 Vaccum Cleaner Agent agent, which is the vaccium cleaver, is to close up the whole area. The voccum cleaner can perform can perform the following functions: move left, move right, move formand, move backward & to such dust Precepto: bacation Scontenty LA, Disty Actions: heft, Right, Up, down, Such, Noop Explanations: Percepts. The percept sequence congrets of the history of percepts the vaccum chance senge & the agent function maps each each percept of the sequence to an action. The agent function for this voccium Agent function = {([A: Clean], Right), ([A: Dixty], Clean); Clean), ([B: Clean], left), ([B: Dixty], Clean); ([A: Clean, B: Clean], Stop), ([A: Clean, B: Dixty]) Actions there are 5 actions wailable: go followed, the right by 90°, twen left by 90°, such ap dirts then off Environment: The consistent consists of a good of squa

classmate some equales contain abstacles (walls & fuentius) altre square are open space. Some of the open square containdiet. Each "go forward" action moves one equare realess there is an obsticle testhat saying in which case the agont stays where it is but the touch series goes on. A "suck up dirt" acknow its closes up the diet. A "twen off" command ends to Simulation setuery an action If status = Dirty than roturn Such else of location = A their return Right else & location = B then return heft Since here there are only a borne, the possibility of agent to move are only left & right If there are more than a roome then the possibility will be left, sight, up & down I riplenting vocceum cleaner agant: Ja clean a room def clan (floo): (1) Declar a glid of size man (1) How Olepsesony the clean state of booms begresents the date of soon (111) Theweeze through the grid depending on the valle je clean (0) or diff(1) if the state charge state to Delle no action & condince to theel for states of other bong

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