	Python code:
<u> </u>	agent table = 9
Alta I	('c' 'A'): 'Movekight',
	('c', 'B'): 'Moveleft', ('D', 'A'): 'Suck.
	3 ('D', 'B') : 'Suck
	A select to co
	class Vacuum:
	sell : loration = 'A', status='c
	def_init_ (self, location = 'A', status='c self. location = location self. status = status
5. A	def act (self, action):
	if artion = 'MoveRight': self-location = 'B'
	self-location = 'B' elifaction == 'Moveloft':
	self location = 'A
11.6	elf action = "Suck": self. Status = 'C'
	14.
	&: A = input ("Enter status of groom A") &= B = input ("Enter status of groom B")
-	NOV 14 N = 1/2
_	Vacus V = Vacuum (loc = 'A', status = &-A)
	while s. A == 'D' on s. B == 'D':
	Nacuum lor foi)
	while s A == D' or s. B == 'D': action = agent - table. get ((vacuum. states Naccuum. location)) print (j" Pencapt: 5 vacuum. status), Action: (action z")
	Action: (action 3")

	if actional = 1 No Opin 1 hadro
	va: act (action)
	if v. location = = d'A : quille motor
	y v. location = = dA : alle
	5- Anti V. Status
	elif action == 'Suck' de la
$-\parallel$	S-18 = Chia
_	elif status B = = Dirty:
$-\parallel$	V. Status = D
	thousand in the mode takes
7.7	print (f"Location: [vac. location?, status A: 5 status +1 3, status B: [5-B]")
_	status 43, Status 1. 305
	The first Court of the state of
10	print (" Both grooms are clean!")
	AMOND MONDO
_	guarata: notion and : taring
(+	outputs: 10,0 d & cutate a minited
	Enter status of noom A: clean
	Enter status of groom B: doity At
_	Enter status of river More Right
	Percept: clean, Action MoveRight Location: B, Status B: clean, Status B: Dirty
	Loranon: B, States to Suk
	Percept: Dirty. Action: Suk Vocation: B., Status A: Clean, Status B: dean
	P. H. and aller
	Both growns are dean
_	
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-	

	And the state of t
	output: 11 Jour grooms.
	output: 11 som
Applications of the	Enter status of A: dirty
<u></u>	Enter Status of B: clean
	Enter status of
; <u>-</u>	
	o tom status Al D Course
	percept: dirty action: suck Location A: status A, B, C, D: clean, clean, dear
	Location A: status A. B. C. Clean
	percept: clean action: Moveright baction B: status A, B, C, D: clean, clean dean
- <u>fi</u>	baction B' status A, B, C, D' clean, alan dian
	The second distribution of the contract of the
	porcept: clean action: Movedown location c: Status A, B, C, D: clean, clean,
	location c: Status A, B, C, D' clean, clean,
	clean, clean
	percept: clean action: More up location D: status A, B, C, D: clean, clean,
	clean . clean
	All M Side and a Committee of the Commit
	All the grooms are clean!
. –	The state of the s
	de la
	Man and a second
	The state of the s
	Maria Alian errora attact
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2 x 10 x 1	