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Vacuum (leaner Agent

An MXN matrix will be given Make and design an agent that moves and traverses the grid until the

⇒ Move the eigent in the best possible way after cleaning
a (ell)

=) Agent (on Short any where Eq: [[1,0,0],[0,0,1]] 1 = dirty 0 = clean.

tunction to (kan: Algorithm/PseudoCocke i, j, m, n = row, col, len(floor), len(floor[0])

right = down = True cleaned = [not any (f) for f in floor)

while not all (cleaned):

while any (floor[i]): print-floor (floor, i, j) if floor[,)[j]:

fbor[:][;]=0 print (tor ([:] Li])

if not any (floor [i]): cleaned Ci] = The

if j== n-1: j==1, light= False elif j== 0: jt=1, light= Twe else: j+=1 if light else -1

if all (cleaned): break (PTO)

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elifi==0: i+=1, down=True else: i+=X, down=True if cleared[a]: printfloor (floor, i,j)

Print Function - Normal 2-for loop travers of

for i in range (len (floor))

for j in range (len (floor))

if i== ran and j== col or pint "Agenthoris

else print" floor [i] [j]"

print (" \n")