**Vaccum Cleaner**

**Problem statement:**

In this problem a dirty floor is given as a 2D matrix and 1’s represent dirty parts of the floor and 0’s represent cleaner parts of the floor. It is desired that the bot cleans the whole floor.

**Algorithm:**

Here we can traverse through the 2D list and if the current place we are on is dirty then we can clean it, by cleaning we mean replacing 1 by 0, if it’s already clean then there is no need to do anything.

**Psuedocode:**

For I in range(len(floor)):

For j in range(len(floor[i])):

If dirty:

Clean()

Else:

Move to next part of 2D matrix