I haven't used RUBY, but I did some searching on the Internet, i found PYTHON have similar with RUBY.

I just started learning PYTHON by myself recently, so I took the time to look at the tutorial of PYTHON.

First things come up on my mind is a tank game, very similarly mechanism, except that the left and right directions doesn’t change the X-axis variable. (Turning 90 degree).

So, before go into the coding, I thinks this is a match question.

So far we know that, if we need to find the distance between two coordinate,

The formula will be:

Start point: P1(x1, y1),

End point: P2(x2, y2)

Distance =

However, the robot can’t go directly back home, it mean the formula need to change