SUDOBOT

Ege Sari s1034535
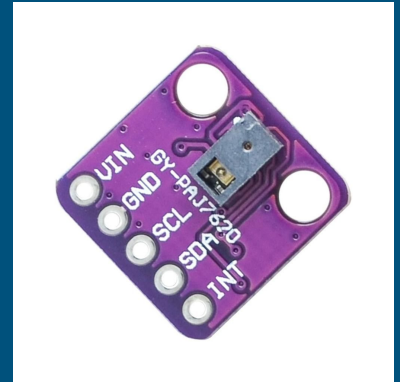Matteo Gamberoni s1040263

The Idea

We want to program DOBOT to solve Sudoku.

It will move by our hand gestures to intended square.

It will write the intended number by input from us.

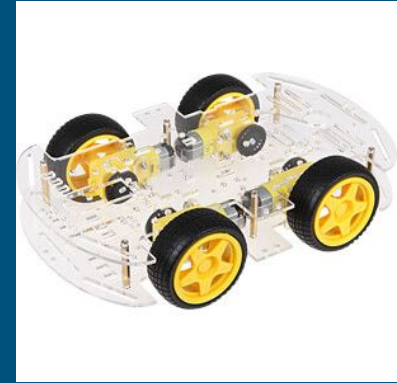| 5	3			7				
6			1	9	5			
	9	8					6	
8				6				3
4			8		3			1
7				2				6
	6					2	8	
			4	1	9			5
				8			7	9

Our Plan

Our plan is modular. For BASIC:

1.) Program Dobot to move to intended spot
2.) Program Dobot to write the intended number
3.) Add Motion Sensor to the system

If we have time left, for ADVANCED:

4.) Program motion sensor to get the number from finger numbers
5.) Mobility : Add tires OR elevator stage
6.) Add a reward system for correct solution i.e. candy dispenser
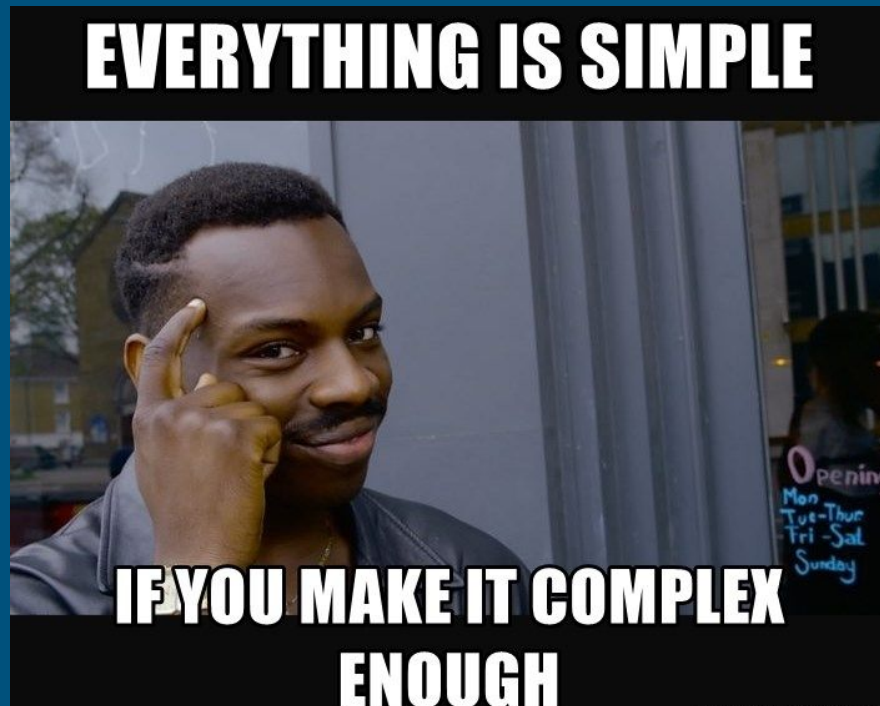7.) Add an AI mode

Motivation

Good hardware-software balance

Cool project for Open Dag!

Complex enough and original

Possible Pitfalls and Challenges

It is said that to program DOBOT is hard

Even the first step may take 2-3 weeks

We need a Windows computer :)

JUST BECAUSE ITS HARD
DOESN'T MEAN YOU CAN'T DO IT

ANY QUESTIONS?