Please give a ranking of all the programming languages and how much experience you have in each. (0 = no experience, 6 = professional (for money) programmer)

1	_ 0 🗆	$1 \sqcup$	2 🗆	3 □	4 ⊔	5 □	6 🗆
2	_ 0 □	1 🗆	2 🗆	3 🗆	4 🗆	5 🗆	6 □
3	_ 0 □	1 🗆	2 □	3 □	4 🗆	5 🗆	6 □
4	_ 0 □	1 🗆	2 🗆	3 🗆	4 🗆	5 🗆	6 □
5	_ 0 □	1 🗆	2 🗆	3 🗆	4 🗆	5 🗆	6 □
6.	0 🗆	1 □	2 □	3 □	4 □	5 🗆	6 □

Post experin	nent qu	estionn	aire			participant number:
Thank you for participating in our experiment! This really helps us in doing research about learning behavior in product development.						
This experim	ent is a	nonymo	ous but	before	you leave, we would li	ke to know some things
Specify your	gender	:				
Which year v	were yo	u born:				
What is your Which seme				current	field of study:	
How pleased (0 = not at al	•			lt of you	ur programming?	
0 🗆 1 🗆	2 🗆	3 🗆	4 🗆	5 🗆	6 □	
How much did you enjoy this experiment? (0 = not at all, 6 = it was very pleasurable)						
0 🗆 1 🗆	2 🗆	3 🗆	4 🗆	5 🗆	6 🗆	

Do you have a study colleague in mind that you will recommend to participate in this

No 🗆

Will you actually recommend it to him or her? Yes \square No \square

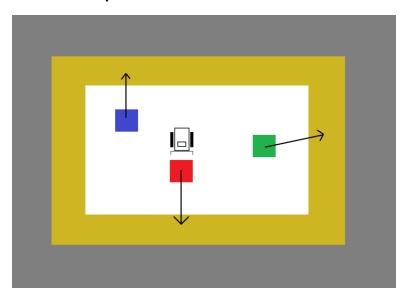
One final (but very important) remark:

Yes 🗆

experiment?

Please do not tell anyone about the content of this experiment.

The task is to use the robot to remove the three cube objects from the white area in the shortest time possible.



The robot must stay on the cardboard area.

You may use any of the three blinking light sources and place them wherever you like before executing the program. They fit into the top side of the cube objects. The robot shall not be influenced by you after the program is started.

Objects that are fully outside the white area on the cardboard must be removed from the "playground" by you.

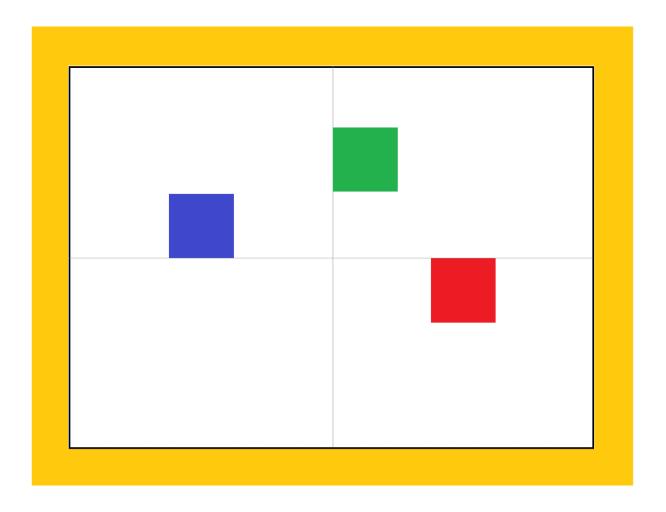
You can earn a 10 second time bonus if you display the correct tone frequency while pushing out a cube. You will get a 10 second time penalty if you play the wrong tone frequency.

Red cube: 400 Hz Green cube: 800 Hz Blue cube: 1600 Hz

You are given:

- The LEGO robot
- This task description with the starting setup (backside)
- Explanation of useful functions
- A data sheet about the robot's behaviour
- Time to complete the task
- Three blinking light sources

This is the setup of the cube objects for each evaluation. The starting position and orientation of the robot will be different each time.



What are the <u>essentials</u> the robot somehow needs to solve to not fail the task? Write them down as keywords on this paper.

Think about which	nrohlams	to solve not	how to solve it
THIRK ADOUL WHICH	problems	lo soive not	HOW to solve it.

1.	 	
2.		
3.		
4.		
5.		

6. _____

Participant number:

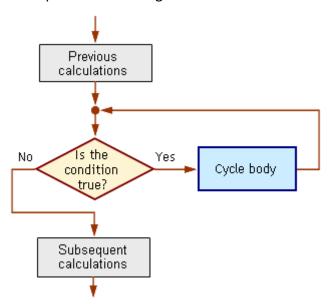
Make a plan!

Think about how you the robot shall solve the task.

Draw a block diagram on the backside.

Your plan in words:

Example of a block diagram:



Your block diagram: