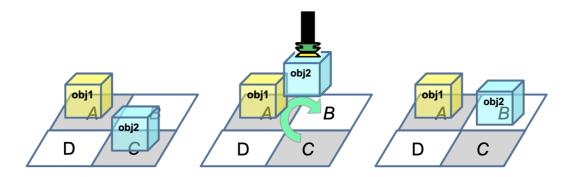
Robot Programming Study Questionnaire * Required

1.	Participant number *
2.	Age *
3.	Gender *
	Mark only one oval.
	Female
	Male
	Prefer not to say
	Other:
4.	Main field of study *
	Mark only one oval.
	Business, Management, and Law
	Earth and Environmental Sciences
	Engineering
	Geography, Urban and Regional Planning
	Health Sciences, Life Sciences, and Chemistry
	Mathematics and Computer Science
	Physics and Materials Science
	Other:
5.	What is your level of familiarity with programming languages? * Mark only one oval.
	1 - No experience
	2 - Novice: you have experience with MS Word, Excel, PowerPoint, etc.
	3 - Intermediate: you have taken a programming course before (<2 year experience)
	4 - Advanced: you are currently pursuing a degree in Computer Science (>=2 years experience)
	5 - Evpert: you have completed a degree in Computer Science

PDDL)? * Mark only one oval.
· · · · · · · · · · · · · · · · · · ·
1 - No experience
2 - Novice: you have heard of them before but never used them.
3 - Intermediate: you have taken a course before
4 - Advanced: you have worked on a project before (<2 years experience)
5 - Expert: you are actively working on a project (>=2 years experience)
7. Have you previously programmed a robot? *
Mark only one oval.
Yes
○ No
3. If yes, what kind of robot and which
platform/programming language did you use?
bserve the image sequence below describing an action move an object.
obj2
D C D C
D C D C
D C D C D. Which action corresponds to the above described move action?
D C D C 9. Which action corresponds to the above described move action? Mark only one oval.
D C D C 9. Which action corresponds to the above described move action? Mark only one oval. move(obj1, posC, posB)

(same action as above)



10. Tick all predicates that are required as preconditions for the given move action. Hint: tick only those that are necessary for the given action *

Check all that apply.

obj1 is clea	ar
--------------	----

obj2 is clear

obj1 is on posA

obj2 is on posC

posA is not clear

posB is clear

posC is not clear

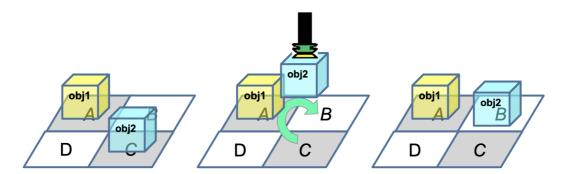
obj1 is stackable on posA

obj1 is stackable on posB

obj2 is stackable on posB

obj2 is stackable on posC

(same action as above)



11. Tick all predicates the	nat are required as effects	s for the given move action *
Check all that apply.		
obj1 is on posA		
obj2 is on posB		
obj1 is clear		
obj2 is clear		
posA is not clea	r	
posB is not clea	r	
posC is clear		
obj1 is not on po	osA	
obj2 is not on po	osB	
obj2 is not on po	osC	
Remember the 3	predicates to de	escribe a state.
Examples are sh	own below.	
	^	
	obj3	obj1
	ahi2	
A obj2	B	obj3
is clear	is on	is stackable
posA is clear	obj2 is on posB	obj1 is stackable on posC obj1 is not stackable on obj3
obj2 is clear	obj3 is on obj2	obji is not stackable on objo
12. For any given state,	which two conditions ca	n never be true at the same time?*
Mark only one oval.		
(obj1 is on pos	sA) and (posA is clear)	
(obj1 is on pos	sA) and (posA is NOT clear	r)
(obj1 is NOT o	on posA) and (posA is clear	r)
(obj1 is NOT o	on posA) and (posA is NOT	clear)
	. , , , , ,	,
13. For any given state,	which two conditions ca	n never be true at the same time? *
Mark only one oval.		
(obj1 is stacka	able on posA) and (obj1 is o	on posA)
(obj1 is stacka	able on posA) and (obj1 is I	NOT on posA)
(obj1 is NOT s	stackable on posA) and (ob	j1 is on posA)
(obj1 is NOT s	stackable on posA) and (ob	j1 is NOT on posA)

14. If move(CUB)	E) describes a move action of a CUBE, tick all statements that are
Check all that	apply.
the move	e action is only possible for CUBE objects
the move	e action is possible for CUBE and BASE objects
the move	e action is possible for CUBE but not for BASE or ROOF objects
the move	e action is possible for any object
15. If move(OBJE are true. * Check all that	ECT) describes a move action of an OBJECT, tick all statements that apply.
are true. * Check all that	,
are true. * Check all that	apply.
are true. * Check all that the move	e action is only possible for CUBE objects
are true. * Check all that the move the move	e action is possible for CUBE objects e action is possible for CUBE and BASE objects

