Survey 5 * Required

1. Please give your name *		
2	Please give your CUHK student ID *	
3	How much of Assignment 4 have you completed? * Mark only one oval.	
	What? There is an assignment!?	
	Seen it.	
	Thought about it.	
	Tried it.	
	Finished it!!	
4	Have you enrolled into the private session of Course 2 (Advanced Modeling) yet? * Mark only one oval.	
	Yes	
	No	
5	How many Course 2 Module 1 lectures have you watched? * Mark only one oval.	
	None	
	2-3	
	All	
6	Have you "subscribed" to the Discussion Forum for the Private Session of the Advanced Modeling MOOC on Coursera yet? *	
	Mark only one oval.	
	Yes	
	No No	
	Don't know how to do that!	
7	What are the possible symptoms of a model with bugs? You can tick as many as you want. *Check all that apply.	
	No solutions	
	Only 1 solution	
	Too few solutions	
	Too many correct solutions	
	Too many wrong solutions	

8. Which of the following are debugging tools for MiniZinc models? You can tick more than one. * Check all that apply.
Exception handling
Assertions
Step-by-step execution tracing
Trace
Printing
9. What is relational semantics? * Mark only one oval.
Bijection functional semantics
Every constraint should be understood as a database
Array out of bound
Division by zero
Undefined results from partial functions mean false
10. Which of the following is a solution of the following code fragment? You can tick more than one
array[12] of var 01: x ;
var 13: i;
constraint $x[i] >= 1;$
Check all that apply.
x = [1,0]; i = 1;
x = [1,1]; i = 1;
x = [0,1]; i = 2;
x = [1,1]; i = 2;
x = [0,0]; i = 3;
x = [0,1]; i = 3;
x = [1,0]; i = 3;
x = [1,1]; i = 3;

array $[12]$ of var 01 : x;	
var 13: i;	
constraint $x[1] = 0;$	
constraint $i \le 2 -> x[i] >= 1$	•
Check all that apply.	,
x = [1,0]; i = 1;	
x = [0,1]; i = 2;	
x = [1,1]; i = 2;	
x = [0,0]; i = 3;	
x = [0,1]; i = 3;	
x = [1,0]; i = 3;	
x = [1,1]; i = 3;	
12. Which of the following is a solution of the following code fragment? You can tick more than o	one.
*	
array $[12]$ of var 01 : x;	
var 13: i;	
constraint $x[i] \le 0 -> x[i+1] >= 1$ Check all that apply.	. ;
x = [1,0]; i = 1;	
x = [1,1]; i = 1;	
x = [0,1]; i = 2;	
x = [1,1]; i = 2;	
x = [0,0]; i = 3;	
x = [0,1]; i = 3; x = [1,0]; i = 3;	
x = [1,0], i = 3; $x = [1,1]; i = 3;$	
13. What can you do if your model has a wrong solution among other correct solutions? You car tick more than one. * Check all that apply.	ì
Isolate and examine the constraint that should have removed the wrong solution	
Add constraints to remove the unwanted solutions	
Add an objective or strengthen the objective	
Add a known solution as constraints to the model	
Identify the problematic constraint by relaxing constraints one by one	
Construct a smaller instance of the problem with known solutions	

11. Which of the following is a solution of the following code fragment? You can tick more than one.

14. What can you do if your model has too many correct solutions? You can tick more than one. * Check all that apply.			
Isolate and examine the constraint that should have removed the wrong solution			
Add constraints to remove the unwanted solutions			
Add an objective or strengthen the objective			
Add a known solution as constraints to the model			
Identify the problematic constraint by relaxing constraints one by one			
Construct a smaller instance of the problem with known solutions			
15. What can you do if your model has missing solutions? You can tick more than one. * Check all that apply.			
Isolate and examine the constraint that should have removed the wrong solution			
Add constraints to remove the unwanted solutions			
Add an objective or strengthen the objective			
Add a known solution as constraints to the model			
Identify the problematic constraint by relaxing constraints one by one			
Construct a smaller instance of the problem with known solutions			
16. Which of the following are ways to improve your model? You can tick more than one. * Check all that apply.			
Add constraints			
Make loops efficient			
Choose a model that is smaller in size			
Use global constraints whenever possible			
Use set variables whenever possible			
Avoid disjunctions, negations, implications and existential loops if possible			
Use arrays whenever possible			
Use an objective whenever possible			
17. Have you attempted Course 2 Workshop 1 yet? * Mark only one oval.			
○ No			
Thought about it			
Completed it			
18. How much of Course 2 Assignment 1 have you completed? * Mark only one oval.			
What? There is another ASSIGNMENT!?			
Seen it.			
Thought about it.			
Tried it.			
Finished it!!			

