Survey 2

* Required

1. **Please give your name** *

2. **Please give your CUHK student ID** *

3. **How much of Assignment 1 have you completed?** *
   Mark only one oval.
   - What? There is an assignment!?
   - Seen it.
   - Thought about it.
   - Tried it.
   - Finished it!!

4. **How many Module 2 lectures have you watched?** *
   Mark only one oval.
   - None
   - 1
   - 2-3
   - All

5. **How many ways are there to model sets in MiniZinc in general?**
   Mark only one oval.
   - 1
   - 2
   - 3
   - 4
   - 5

6. **Do you understand how to model a fixed cardinality set?** *
   Mark only one oval.
   - Yes
   - No

7. **Do you understand how to model a bounded cardinality set?** *
   Mark only one oval.
   - Yes
   - No

8. **Do you understand the difference between a model solution and problem solution?** *
Mark only one oval.

- ◯ Yes
- ◯ No

9. **Is it possible for a correct model to have multiple model solutions corresponding to a single problem solution?** *
Mark only one oval.

- ◯ Yes
- ◯ No

10. **Is it possible for a correct model to have multiple problem solutions corresponding to a single model solution?** *
Mark only one oval.

- ◯ Yes
- ◯ No

11. **How can we avoid having multiple model solutions corresponding to the same problem solution? You can tick more than one.** *
Check all that apply.

- ☐ Add ordering constraints
- ☐ Write a correct model
- ☐ Add arithmetic constraints
- ☐ Use arrays
- ☐ Use Boolean variables

12. **How can we avoid having multiple problem solutions corresponding to the same model solution? You can tick more than one.** *
Check all that apply.

- ☐ Add ordering constraints
- ☐ Write a correct model
- ☐ Add arithmetic constraints
- ☐ Use arrays
- ☐ Use Boolean variables

13. **What is an "ideal" model? You can tick more than one.** *
Check all that apply.

- ☐ Having multiple model solutions corresponding to a single problem solution
- ☐ Having multiple problem solutions corresponding to a single model solution
- ☐ Having a model solution corresponding to a single problem solution, and a problem solution corresponding to a single model solution
- ☐ Having every model solution corresponding to a single problem solution, and every problem solution corresponding to a single model solution

14. **Have you attempted Workshop 2 yet?** *
Mark only one oval.

- ◯ No
- ◯ Thought about it
- ◯ Completed it

15. **Which of the following declaration is best to represent a set (a) of cardinality at most 10 and (b) with elements ranging possibly from 0 to 100000?** *

Mark only one oval.

- array[1..10] of var 0..100000: x;
- var set of 0..100000: x;
- array[0..100000] of var 1..10: x;
- array[0..100000] of var bool: x;
- var set of 1..10: x;

16. **Which of the following declaration is best to represent a set (a) of cardinality at most 100000 and (b) with elements ranging possibly from 1 to 10?** *

Mark only one oval.

- array[1..10] of var 0..100000: x;
- var set of 0..100000: x;
- array[0..100000] of var 1..10: x;
- array[0..100000] of var bool: x;
- var set of 1..10: x;

17. **Which of the following declaration is best to represent a set (a) of cardinality between 3 and 10 and (b) with elements ranging possibly from 1 to 100000?** *

Mark only one oval.

- array[1..10] of var 0..100000: x;
- var set of 0..100000: x;
- array[0..100000] of var 1..10: x;
- array[0..100000] of var bool: x;
- var set of 1..10: x;

18. **How much of Assignment 2 have you completed?** *

Mark only one oval.

- What? There is another ASSIGNMENT!?
- Seen it.
- Thought about it.
- Tried it.
- Finished it!!