

Problem Set 1, Problems 0 and 1

Problem 0: Reading and response

- I agree with the statement “we don’t have to settle for models at all.” Since we are living in a rapidly changing society, we don’t know when the models that we used in the past will be efficient enough in the future, or even true as we find out more information about the models that we are applying to. Also, I agree with people that say staying in the past won’t help the person to be a better person. If we try to use the models that are settled now, our society won’t be a better place since we are not thinking or trying to find out new models that can help us. Of course, some models are deeply rooted in our society which is very crucial to change. However, keep thinking about new models that we can use in the future will definitely help our society.

Problem 1: Boolean expressions and conditional execution

1-1. Boolean expressions

- a) $y == 2x$
- b) $x \% 4 == 0$
- c) $x \geq 3$ and $x \leq 15$

1-2. Conditional execution: Calls to the function `mystery()`

function call	output
a. <code>mystery([3, 3, 3])</code>	cow how row
b. <code>mystery([3, 4, 5])</code>	cow bow row
c. <code>mystery([3, 5, 2])</code>	mow low pow row
d. <code>mystery([5, 4, 3])</code>	wow row
e. <code>mystery([3, 7, 5])</code>	low pow row
f. <code>mystery([8, 2, 2])</code>	tow row