1. What is the maximum number of relations that can be true at once in BooleanIf for some a and b input?
   1. The maximum number of relations that can be true at once is **THREE** because it goes through each if statement from top to bottom.
2. What is the minimum number of relations that can be true at once in BooleanIf for some a and b input?
   1. There can be a minimum of **Three**
3. What does Dead code mean?
   1. Dead code means a section of code that is executed but the results are never used in any other computation, wasting computation time and memory.
4. What is the maximum number of output statements showing the relation between a and b for BooleanIfElse?
   1. The maximum is **ONE** only because once an else if is true it will skip everything else
5. What is the value of a and b where BooleanIfElse will print out “is less than or equal to”?
   1. There are **NO VALUES OF** a and b that because if it “is less then or equal to” the top-most else if will catch it first