In my Maybe project I didn't understand the assignment at first, I thought we needed to write functions from skratch in a main component and so I had some code like the following:(see below) but then I talked to the professor, and she explained to me that I don't need to do that then I started to write my code differently.

```
#include <iostream>

typedef int data_t; // Replace 'int' with your desired data type

bool CheckTwoArg(const data_t& output, const data_t& input_a, const data_t& input_b) {
  return output == ~(input_a | input_b);
}

int main() {
  data_t output = 1; // Example output value

  // Iterate over a range of input values for input_a and input_b
  for (data_t input_a = 0; input_a <= 1; ++input_a) {
    for (data_t input_b = 0; input_b <= 1; ++input_b) {
      bool result = CheckTwoArg(output, input_a, input_b);
      std::cout << "For input_a = " << input_a << " and input_b = " << input_b << ": ";
      if (result) {
        std::cout << "Output is equal to input_a NOR input_b" << std::endl;
      } else {
        std::cout << "Output is NOT equal to input_a NOR input_b" << std::endl;
      }
    }
  }

  return 0;
}
```