ECE326 Quiz 6, Fall 2019

Name: **Student Number:**

1. Please write a template struct including the functions and operator overrides needed for the code below to run properly.

```cpp
// start your code here
template<typename T>
struct Tuple {
    T a, b;
    Tuple(T && a, T && b)
            : a(std::move(a))
            , b(std::move(b))
    {}
    Tuple<T> operator+(const Tuple<T> & rhs) {
        a += rhs.a;
        b += rhs.b;
        return *this;
    }
};



int main()
{
    Tuple<int> tuple1 = Tuple<int>(2,2);
    Tuple<int> tuple2 = Tuple<int>(4, 5);
    Tuple<int> summation = tuple1 + tuple2;
    std::cout << summation.a << ',' << summation.b;
    return 0;
}
```