MaxVector

In the folder "MaxVector" is an implementation and header file. You need to write a function, named "MaxVector", that takes 2 arguments. Both of these arguments are vectors. The function should return a vector of a size equal to the longer of the two arguments. The returned vector will have the larger of the two elements from the arguments for each position.

For example, if the two arguments were:

```
{1, 4,  8, 13} and
{0, 10, 8, 11, 14}
```

then the returned vector should be:

```
{1, 10, 8, 13, 14}
```

Tips

1. The problem description didn't say the type of the elements of the vectors intentionally. Your solution should work on vectors of many different types (e.g. ints and strings). You can assume however that both arguments are vectors of the same type.

2. `std::transform` is an extremely helpful algorithm for this problem, but be sure to not iterate past the end of either vector.

3. If you get an error mentioning "`std::vector` is a dependent scope", look at https://stackoverflow.com/questions/22874535/dependent-scope-need-typename-in-front

4. See the main.cpp I've provided for an example of using MaxVector.

None of your code for this problem can use the `for` or `while` keywords. You also aren't allowed to use the `std::for_each` algorithm. This constraint is to motivate you to learn and use the algorithms in `<algorithm>` and `<numeric>`. Please be sure that any comments also don't have those words. If such a word must appear in your code (for example in a citation or comment), insert an