1 Templates, Iterators, & References

Problem 1. Write a C++ function with header `void swap(float &x, float &y)` that swaps x and y.¹

Problem 2. Write the same function as in Problem 1, but as a template function.

Problem 3. Write a C++ function named `sum_all` that takes a reference to a `vector<float>` named V and returns a `float` equal to the sum of the elements of the `vector`.

Problem 4. Write the same function as in Problem 3, but using an iterator-based loop.

Problem 5. Write the same function as in Problem 3, but using a range-based for-loop.

¹This function is also available in the `<algorithm>` library.