Class BigO is given. Method m1 and m2 are already implemented.

For m1, determine what it does, and write a faster version (m1Version2). The faster version must run in O(n). You may want to use HashSet in m1Version2.

For m2, determine what it does, and write a faster version (m2Version2). The faster version must run in O(n^2). You may need to use ArrayList, Arrays.sort(nums).

Test cases are provided in TestBigO.java. Each test method has 1 mark.

Create a jar file that includes all the source code. Submit the jar file on MyCourseville.