

## INSTRUCTIONS ON LAST PAGE

A	A	make; java cpptranslator/Translator classes/Test001.java; g++ -std=c++11 main.cc A.cc Test001.cc java_lang.cc ./a.out
A	A	make; java cpptranslator/Translator classes/Test002.java; g++ -std=c++11 main.cc A.cc Test002.cc java_lang.cc ./a.out
A	A	make; java cpptranslator/Translator classes/Test003.java; g++ -std=c++11 main.cc A.cc Test003.cc java_lang.cc ./a.out
A	A	make; java cpptranslator/Translator classes/Test004.java; g++ -std=c++11 main.cc A.cc Test004.cc java_lang.cc ./a.out
A B	A B	make; java cpptranslator/Translator classes/Test005.java; g++ -std=c++11 main.cc A.cc B.cc Test005.cc java_lang.cc ./a.out
A B	A B	make; java cpptranslator/Translator classes/Test006.java; g++ -std=c++11 main.cc A.cc Test006.cc java_lang.cc ./a.out
A B	A B	make; java cpptranslator/Translator classes/Test007.java; g++ -std=c++11 main.cc A.cc B.cc Test007.cc java_lang.cc ./a.out
A B	A B	make; java cpptranslator/Translator classes/Test008.java; g++ -std=c++11 main.cc A.cc B.cc Test008.cc java_lang.cc ./a.out
A@<memory address>	A@<memory address>	make; java cpptranslator/Translator classes/Test009.java; g++ -std=c++11 main.cc A.cc Test009.cc java_lang.cc ./a.out
A B1 B2 C	A B1 B2 C	make; java cpptranslator/Translator classes/Test010.java; g++ -std=c++11 main.cc A.cc B1.cc B2.cc C.cc Test010.cc java_ ./a.out
A B1 B2 C	A B1 B2 C	make; java cpptranslator/Translator classes/Test011.java; g++ -std=c++11 main.cc A.cc B1.cc B2.cc C.cc Test011.cc java_ ./a.out
A B1 B2 still C	A B1 B2 still C	make; java cpptranslator/Translator classes/Test012.java; g++ -std=c++11 main.cc A.cc B1.cc B2.cc C.cc Test012.cc java_ ./a.out

A@<memory address>	A@<memory address>	make; java cpptranslator/Translator classes/Test013.java; g++ -std=c++11 main.cc A.cc Test013.cc java_lang.cc ./a.out
Exception in thread "main" java.lang.NullPointerException at A.printOther(Test014.java:5) at Test014.main(Test014.java:13)	libc++abi.dylib: terminating with uncaught exception of type Abort trap: 6	make; java cpptranslator/Translator classes/Test014.java; g++ -std=c++11 main.cc A.cc Test014.cc java_lang.cc ./a.out
A@<memory address>	A@<memory address>	make; java cpptranslator/Translator classes/Test015.java; g++ -std=c++11 main.cc A.cc B.cc Test015.cc java_lang.cc ./a.out
Exception in thread "main" java.lang.ClassCastException: A cannot be cast to at Test016.main(Test016.java:23)	libc++abi.dylib: terminating with uncaught exception of type Abort trap: 6	make; java cpptranslator/Translator classes/Test016.java; g++ -std=c++11 main.cc A.cc B.cc Test016.cc java_lang.cc ./a.out
A@<memory address>	A@<memory address>	make; java cpptranslator/Translator classes/Test017.java; g++ -std=c++11 main.cc A.cc Test017.cc java_lang.cc ./a.out
0	0	make; java cpptranslator/Translator classes/Test018.java; g++ -std=c++11 main.cc Test018.cc java_lang.cc ./a.out
3	3	make; java cpptranslator/Translator classes/Test019.java; g++ -std=c++11 main.cc Test019.cc java_lang.cc ./a.out
4	4	make; java cpptranslator/Translator classes/Test020.java; g++ -std=c++11 main.cc Test020.cc java_lang.cc ./a.out
4	4	make; java cpptranslator/Translator classes/Test021.java; g++ -std=c++11 main.cc Test021.cc java_lang.cc ./a.out
This test file prints out the command line arguments	command line arguments	make; java cpptranslator/Translator classes/Test022.java; g++ -std=c++11 main.cc Test022.cc java_lang.cc ./a.out hello world
This test file prints out the command line arguments	command line arguments	make; java cpptranslator/Translator classes/Test023.java; g++ -std=c++11 main.cc Test023.cc java_lang.cc ./a.out hello world

0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	make; java cpptranslator/Translator classes/Test024.java; g++ -std=c++11 main.cc A.cc Test024.cc java_lang.cc ./a.out
10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	make; java cpptranslator/Translator classes/Test025.java; g++ -std=c++11 main.cc A.cc B.cc Test025.cc java_lang.cc ./a.out
Exception in thread "main" java.lang.ArrayStoreException: A at Test026.main(Test026.java:27)	libc++abi.dylib: terminating with uncaught exception of type Abort trap: 6	make; java cpptranslator/Translator classes/Test026.java; g++ -std=c++11 main.cc A.cc B.cc Test026.cc java_lang.cc ./a.out
0 1 2 3 4 5 6 7 8 9 Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: 1 at Test027.main(Test027.java:22)	0 1 2 3 4 5 6 7 8 9 libc++abi.dylib: terminating with uncaught exception of type Abort trap: 6	make; java cpptranslator/Translator classes/Test027.java; g++ -std=c++11 main.cc A.cc Test027.cc java_lang.cc ./a.out
class [LA;	class [LA;	make; java cpptranslator/Translator classes/Test028.java; g++ -std=c++11 main.cc A.cc Test028.cc java_lang.cc ./a.out
Exception in thread "main" java.lang.NegativeArraySizeException at Test029.main(Test029.java:14)	libc++abi.dylib: terminating with uncaught exception of type Abort trap: 6	make; java cpptranslator/Translator classes/Test029.java; g++ -std=c++11 main.cc A.cc Test029.cc java_lang.cc ./a.out
class [[LA;	class [[LA;	make; java cpptranslator/Translator classes/Test030.java; g++ -std=c++11 main.cc A.cc Test030.cc java_lang.cc ./a.out



A.m(Object, Object) A.m(A, Object) A.m(Object, A)	A.m(Object, Object) A.m(A, Object) A.m(Object, A)	make; java cpptranslator/Translator classes/Test037.java; g++ -std=c++11 main.cc A.cc B.cc Test037.cc java_lang.cc ./a.out
B.m(Object, Object) B.m(B, Object) B.m(Object, B)	B.m(Object, Object) B.m(B, Object) B.m(Object, B)	make; java cpptranslator/Translator classes/Test038.java; g++ -std=c++11 main.cc A.cc B.cc Test038.cc java_lang.cc ./a.out
A.m(A, Object) B.m(B, Object) B.m(Object, B)	A.m(A, Object) B.m(B, Object) B.m(Object, B)	make; java cpptranslator/Translator classes/Test039.java; g++ -std=c++11 main.cc A.cc B.cc Test039.cc java_lang.cc ./a.out
Java Output	Our C++ Output	compile from overall xtc

This is a spreadsheet showing the status of the translator. The first column is the output of the java test file. The second is the output of the C++ code produced by our translator. The third contains the compile command to run the translator for the specified test file.

Simply copy and paste the compile command into the terminal to run. The test file number can be found in the compile command.