```
Source Code (.c, .cpp, .h)↓
                                  Preprocessing
                                                   Step 1: Preprocessor (cpp)
                                                                                 cpp HelloWorld.c > HelloWorld.i
Include Header, Expand Macro (.i, .ii)↓
                                   Compilation
                                                   Step 2: Compiler (gcc, g++) gcc -S HelloWorld.i
                    Assembly Code (.s)
                                    Assemble
                                                   Step 3: Assembler (as)
                                                                                  Assembly \leftarrow object
                                                                                  xt-objdump -dr fib.o
               Machine Code (.o, .obj) ↓
                                                                                  Assembly ← source code
                                     Linking
                                                   Step 4: Linker (1d)
  Static Library (.1ib, .a) →
                                                                                  xt-xcc -02 -0s -S fib.c
       Executable Machine Code (.exe) $\delta$
```