<https://gcc.gnu.org/onlinedocs/gcc/Optimize-Options.html>

<https://developers.redhat.com/blog/2018/03/21/compiler-and-linker-flags-gcc/>

Optimization flags on compilers enable the compiler to attempt to improve the performance of a program by taking advantage of the computers multiple processors. This performance boost usually comes at the expense of compilation time. By default, the compiler will not attempt to utilize multiple processors, and so these “optimiation flags” must be turned on in order for the compiler to use them. In C, the gcc compiler’s optimization flags can be turned on with the –o0, -o1, -o2, -o3 options.