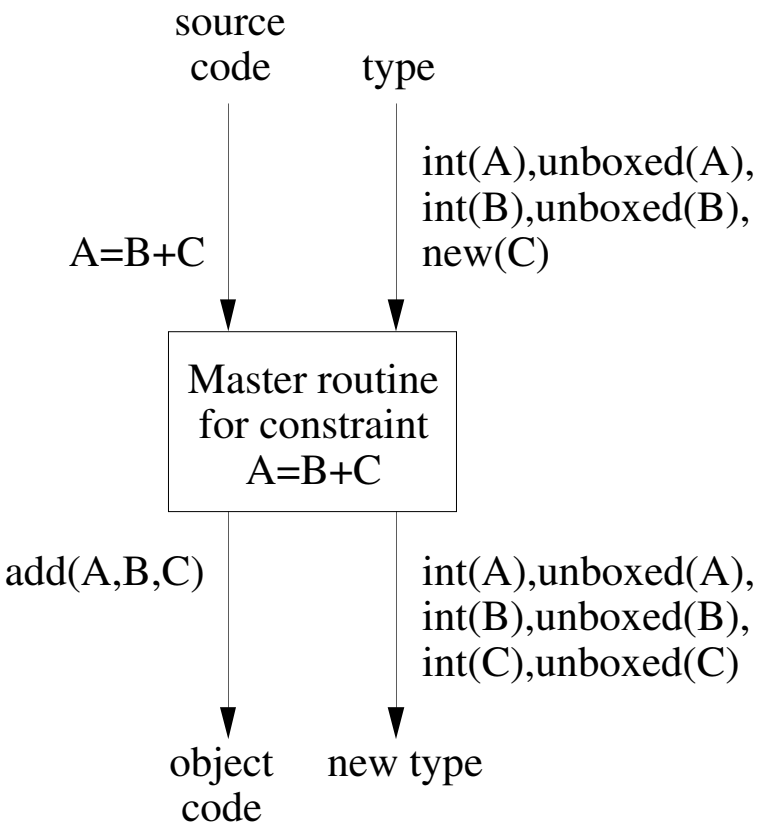
Using types when compiling constraints



- The source code is annotated with type information.
- A single *master routine* per constraint generates specialized object code and updates the type.
- The master routine can be used as the abstract operation in global analysis. The analyzer is easily integrated in the compiler.
- This technique is planned for the LIFE compiler. It generalizes the technique of entry specialization used in the Aquarius compiler. Using an accumulator preprocessor the source code is kept compact.