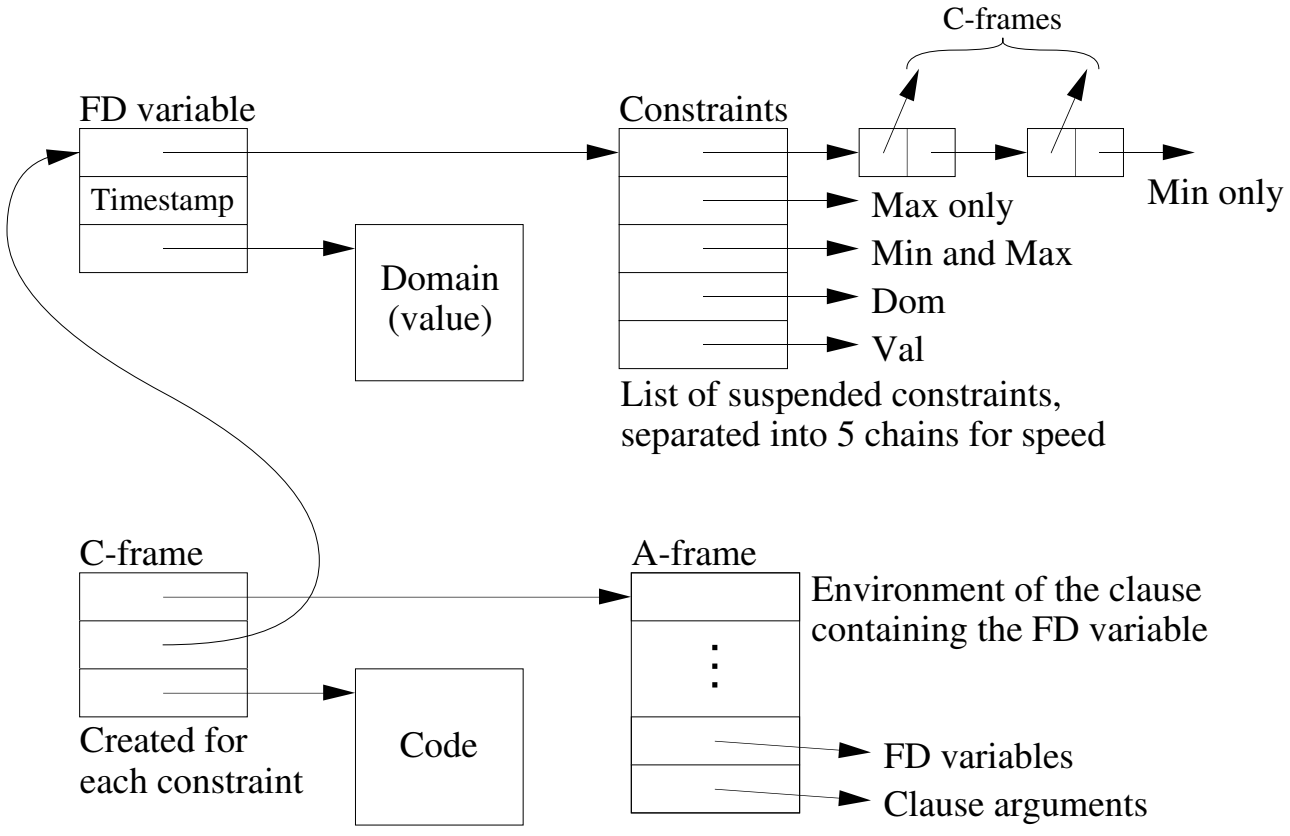
The CLP(FD) implementation

- CLP(FD) is implemented by translation to C. The base engine is a WAM, and the WAM instructions are C macros.
- A new class of FD variables is added, with a new tag.
- Unification of FD variables and standard variables is defined in the obvious way.
- Data structures and abstract instructions are added to support the range constraints.
- Several non-trivial constraint optimizations are implemented. The system is significantly faster than CHIP.
- The following data structures support the constraint solver: