**Control-flow analysis**

**Booleans**

Extending the value lattice with booleans would allow us to do better flow-specific optimization. With that support, we could then only follow one branch of a conditional instead of always flowing values across both.

**Datatype tracking**

Similarly, track the possible constructed values passed along for a datatype.

**Eliminate unreachable blocks**

We already eliminated unused functions. But, we do not remove unreachable arms of a conditional/case statement. This work will need to be done in conjunction with either of the above; there are later optimizations that assume that all kept code has at least trivial CFA information.

**Implementation of reflow and associated optimizations**

See Olin's thesis. Note that this requires some trickery to implement efficiently – see Lars.