Example of LIFE compilation (3)

- The C code resulting from the compilation of p(X:f(X)) is a sequence of macros that strongly resembles a RISC assembly program. It is 101 lines long and begins as follows:

```
extern(p)
   start_block(block(local_vars => [t(0),t(1),l(2),t(2)],number => 0))
   comment(p = allocate)
   blt(frame,choice,intern(10))
   sub(choice,frame_block(0),t(0))
   b(intern(11))
intern(10)
   sub(frame,frame_block(0),t(0))
intern(11)
   sw(frame,frame_previous,t(0))
   sw(cont,frame_cont,t(0))
   mv(t(0),frame)
   lv(t(0),0)
   sw(t(0),frame_size,frame)
   comment(p = begin_unify)
   comment(p = sort_and_features(v(1),f,[1],[v(2)],0,intern(6)))
   b(intern(13))
intern(12)
   mv(t(0),r(0))
intern(13)
   lref(t(0),r(0))
   bref(t(0),intern(12))
   beq(t(0),static_add(sort_f,feat_tag),intern(14))
   beq(t(0),topAtom,intern(18))
   beq(t(0),static_add(topAtom,feat_tag),intern(15))
   beq(t(0),sort_f,intern(14))
   jmp_fail
intern(14)
   b(intern(17))
   jmp_fail
intern(15)
   lv(t(1),static_add(sort_f,feat_tag))
   sw(t(1),0,heap)
   set_ref(heap,t(1))
   add(heap,word,heap)
   c_call(CopyTable(r(0)))
   bgt(r(0),last_heap,intern(16))
...
```