```
arch
+ reg h 0
+ reg I 0
+ dia pos0 chA 0 rea
+ dia pos1 chA 0 rea
+ diq_pos2_chB_0 reg
+ dig pos3 chB 0 reg
+ dig pos0 chA 1 reg
+ dig pos1 chA 1 reg
+ dig pos2 chB 1 reg
+ dig pos3 chB 1 reg
and 23 more...
+ reg proc()
+ fsm f()
+ fsm()
+ PROCESS 350()
+ PROCESS 351()
+ PROCESS 352()
+ PROCESS 353()
+ dia chA 0 reg proc()
+ dia chA 1 reg proc()
+ dia chB 0 reg proc()
+ dia chB 1
            reg proc()
+ out reg fifo wdata()
```