```
arch
+ word64 0
+ word64 1
+ word64 2
+ word64 0 valid
+ word64 1 valid
+ word64 2 valid
+ data64 out mux
+ data64 out reg
+ data out valid req
+ wr cnt
+ data48 in reg
+ PROCESS 198()
+ PROCESS 199()
+ PROCESS 200()
+ PROCESS 201()
+ PROCESS 202()
+ PROCESS 203()
+ PROCESS 308()
+ PROCESS 309()
+ PROCESS 310()
+ PROCESS 311()
+ PROCESS 312()
+ PROCESS 313()
```