

PrProdCons

PrProdCons_property{}()

PrProdCons_behavior{}()

$(Queue_r, Queue_cnt) ::= \text{fifo_reset}$
 $\{integer, 3, 0\}(Queue_w, Queue_reset) \%eq1\%$
 $Queue_r \wedge = \dots$
 $Queue_cnt \wedge = Queue_r \wedge + Queue_w$
 $\wedge + Queue_reset \%eq2\%$
 $Queue_w \wedge = e1 \wedge + e4 \%eq3\%$
 $Queue_reset \wedge = \dots$

thProducerTimer()

thProducer

thProducer_property{}()

thProducer_behavior{}()

$Queue_w ::= 3 \text{ when } e1 \%eq4\%$
 $Queue_reset ::= \text{when } e2$

thConsumer

thConsumer_property{}()

thConsumer_behavior{}()

$z := Queue_r \text{ when } e3 \%eq5\%$

thConsumerTimer()