```
Packet {
  // network status
  flit_trace_;
  allocated_buffer;
  ……
  // statistics
  trans_cycles;
  ……
}
update(Packet p){
  routing(p);
  vc_allocate(p);
  switch_allocate(p);
  transmit(p);
}
```

If(arrived)
delete   Statistics   Traffic Manager

pkt_gen()

Pkt 0 Pkt 1 Pkt 2 Pkt 3 … Pkt n …

routing(p)   p.candidate_channels
allocate(p)   p.allocated_resources

Network of Chiplets

Router

Buffer

Switch