```
tlm::tlm_bw_nonblocking
                               _transport_if< TYPES::
                               tlm_payload_type, TYPES
                                  ::tlm phase type >
                                                                  tlm::tlm bw transport
sc core::sc interface
                                                                      if< TYPES >
                                  tlm::tlm_bw_direct
                                        mem_if
```