```
tlm::tlm fw nonblocking
                                  _transport_if< TYPES::
                                  tlm_payload_type, TYPES
                                     ::tlm phase type >
                               tlm::tlm blocking transport
                               if< TYPES::tlm payload type >
                                                                         tlm::tlm_fw_transport
sc_core::sc_interface
                                                                            if< TYPES >
                                    tlm::tlm fw direct
                                    mem if< TYPES::tlm
                                      payload type >
                                    tlm::tlm_transport
                                    _dbg_if< TYPES::tlm
                                      _payload_type >
```