```
bc::nn::Layer Input
Base< Tensor Descriptor
                                     bc::nn::Layer Base
< ValueType, SystemTag.
                                                                                              bc::nn::LSTM< SystemTag.
                                     < LSTM< SystemTag, ValueType.
     Integer< 1 > > >
                                                                                               ValueType, Optimizer,
                                      Optimizer, ForgetGateNonlinearity,
                                                                                              ForgetGateNonlinearity,
                                      WriteGateNonlinearity, InputGateNonlinearity,
                                                                                              WriteGateNonlinearity.
                                     OutputGateNonlinearity, CellStateNonLinearity
                                                                                              InputGateNonlinearity, OutputGate
bc::nn::Layer Output
                                      >, Tensor Descriptor< ValueType, SystemTag.
                                                                                              Nonlinearity, CellStateNonLinearity >
 Base< Tensor Descriptor
                                                    Integer< 1 > > >
< ValueType, SystemTag,
     Integer< 1 > > >
```