```
bc::nn::Layer Input
Base< Tensor Descriptor
< ValueType, SystemTag,
                                    bc::nn::Layer Base
     Integer< 1 > > >
                                    < Recurrent< SystemTag,
                                                                                bc::nn::Recurrent<
                                     ValueType, RecurrentNonLinearity
                                                                                 SystemTag, ValueType,
                                     >, Tensor Descriptor< ValueType,
                                                                                 RecurrentNonLinearity >
bc::nn::Layer Output
                                       SystemTag, Integer< 1 > > >
Base< Tensor Descriptor
< ValueType, SystemTag,
     Integer< 1 > > >
```