block_b_comp.class component_connector(Interface).connect(
self, block_b_connector, data_from_a)

set connects of block_b DML device:
block_b_component.block_b_device = data_from_a["field"]

block_a_comp.class component_connector(Interface).connect(
self, block_a_connector, data_from_b)

set connects of block_a DML device:
block_a_component.block_a_device = data_from_b["field"]

block_a_comp.component.pre_instantiate(self)
block_b_comp.component.pre_instantiate(self)