Xcos Automatic Layout

Xcos

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1 Overview

1.1 Relative Packages

org.scilab.modules.xcos.block
org.scilab.modules.xcos.graph
org.scilab.modules.xcos.link
org.scilab.modules.xcos.port

1.2 Detailed Class

org.scilab.modules.xcos.port.BasicPort
This is an abstract Port which is used for any kinds of ports including input and output ports.

org.scilab.modules.xcos.port.Orientation
This is an enum which represents a port orientation related to the associated block.

org.scilab.modules.xcos.block.SplitBlock
This is a node extends Block which is used for a junction of links.

org.scilab.modules.xcos.link.actions.StyleAction
This sub-sub-sub class of AbstractAction is a base action which is used for changing the style of links.

2 Implementation

2.1 Smart Routing

2.1.1 Design

2.1.2 Relative Files

Create:
org.scilab.modules.xcos.link.actions.StyleOptimalAction.java
org.scilab.modules.xcos.utils.XcosRoute.jav
Modify:
org.scilab.modules.xcos.XcosTab.java
org.scilab.modules.xcos.link.BasicLink.java
org.scilab.modules.xcos.link.actions.StyleAction.java
org.scilab.modules.xcos.utils.XcosMessages.java
modules/xcos/locales/*.pot

2.2 Automatic Layout