**CLASS:** BoardLayout

**IMPLEMENTATION**

**INHERITS**

Board

**USES**

java.awt.Point

**ACCESS** **PROGRAMS**

private BoardLayout ( ) : BoardLayout

*The class BoardLayout should never be instantiated*

*IllegalAccessException thrown if external module attempts to instantiate*

setNode (index, x, y : int; coords : int[] ) : void

*Create and store a node with the fields passed as arguments.*

*\*See API for Node for usage*

getNodeX (index : int) : int

*Returns the x-coordinate of the node with position index*

getNodeY ( ) : int

*Returns the y-coordinate of the node with position index*

getNodePosition (index : int ) : int[]

*Returns the coordinates of the node specified by index*

addConnection (x, y : int) : void

*Adds connections between the nodes specified by positions x and y*

addConnection (first, second : Node) : void

*Adds connections between the two Nodes 'first' and 'second'*

isConnected (first, second : int) : boolean

*Returns whether the nodes specified by positions 'first' and 'second' are connected*

distanceTo (index : int; p : Point) : int

*Returns the distance between the node with position specified by index and the coordinates of the Point*

**RESTRICTIONS**

*Should never be instantiated*