CLASS GRAPH

nodes 🡨 [ ]

ADD\_NODE(value)

INSERT value INTO nodes

ADD\_EDGE(Node1, node2)

FOR EVERY VALUE IN nodes

IF node = node1 THEN

Node.ADD\_EDGE(node2)

IF node = node2 THEN

Node.ADD\_EDGE(node1)

CLASS VERTEX(value)

Label 🡨 value

Edges 🡨 [ ]

ADD\_EDGE(node)

INSERT node INTO edges

g 🡨 NEW GRAPH

v1 🡨 NEW VERTEX(1)

v2 🡨 NEW VERTEX(2)

v3 🡨 NEW VERTEX(3)

v4 🡨 NEW VERTEX(4)

v5 🡨 NEW VERTEX(5)

g.ADD\_NODE(v1)

g.ADD\_NODE(v2)

g.ADD\_NODE(v3)

g.ADD\_NODE(v4)

g.ADD\_NODE(v5)

g.ADD\_EDGE(v1,v2)

g.ADD\_EDGE(v2,v4)

g.ADD\_EDGE(v3,v4)

g.ADD\_EDGE(v3,v5)

g.ADD\_EDGE(v4,v5)