```
package hw4;
   private ArrayList<ArrayList<String>>> matrix;
   private ArrayList<String> names;
   private int num edges;
   private int num nodes;
```

```
public Graph() {
    throw new RuntimeException("Not yet implemented.");
/** @param another another Graph to be copied.
public Graph (Graph another) {
    throw new RuntimeException("Not yet implemented.");
private void checkRep() throws RuntimeException {
    throw new RuntimeException("Not yet implemented.");
public int getNumNodes() {
    throw new RuntimeException("Not yet implemented.");
public int getNumEdges(){
    throw new RuntimeException("Not yet implemented.");
```

```
@param node
public int findNode(String node) {
    throw new RuntimeException("Not yet implemented.");
public void addNode(String s) {
    throw new RuntimeException("Not yet implemented.");
    @param from The node which the edge stems from
    @param label The label of the edge
public void addEdge(String from, String to, String label) {
    throw new RuntimeException("Not yet implemented.");
```

```
public ArrayList<String> getEdgeLabel(String from, String to) {
    throw new RuntimeException("Not yet implemented.");
public ArrayList<String> getChildren(String s){
    throw new RuntimeException("Not yet implemented.");
public ArrayList<String> getNodeList() {
    throw new RuntimeException("Not yet implemented.");
@Override
public String toString() {
    throw new RuntimeException("Not yet implemented.");
```