

## Graph.java

```

String mName
boolean mDirected
int mNbVertices
int mNbEdges
int mNbVertexValues
int mNbEdgeValues
ListVertices mListVertices
ListEdges mListEdges
ArrayList<LinkedList<Integer>> mListAdjacent

```

## Graphe en mémoire

```

- GRAPH -----
Nom du graphe = GrapheStructure
Le graphe est orienté
Nombre de sommets = 5
Nombre de valeurs aux sommets = 1
Nombre d'arcs = 7
Nombre de valeurs aux arcs = 2
---
```

Liste des sommets :

```

a [ 18.0 ]
b [ 23.0 ]
c [ 55.0 ]
d [ 68.0 ]
e [ 47.0 ]
---
```

Liste des arcs :

```

0 (a,b) [ 3.0 8.0 ]
1 (a,c) [ 2.0 7.0 ]
2 (a,d) [ 3.0 3.0 ]
3 (b,d) [ 2.0 5.0 ]
4 (b,e) [ 1.0 6.0 ]
5 (c,d) [ 1.0 4.0 ]
6 (e,d) [ 3.0 9.0 ]
---
```

Liste d'adjacence :

```

a - b(0) c(1) d(2)
b - d(3) e(4)
c - d(5)
d -
e - d(6)
----- GRAPH -
```

## Vertex.java

```

int mId
String mName
int mDegree
int mDegreePos
int mDegreeNeg
int mColor
int mNbValues
double mValues[]

```

## Edge.java

```

int mId
int mIndexInitialVertex
int mIndexFinalVertex
String mNameInitialVertex
String mNameFinalVertex
int mNbValues
double mValues[]

```

## ListVertices.java

```

ArrayList<Vertex> mList
double mValue

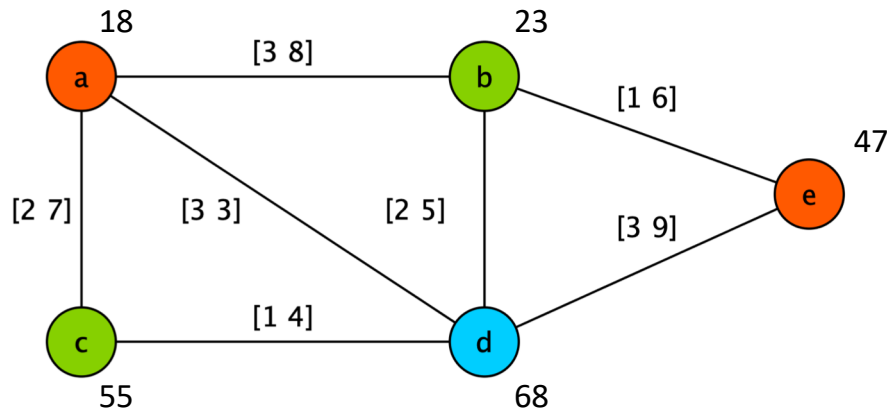
```

## ListEdges.java

```

ArrayList<Edge> mList
double mValue

```



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```

String mName
boolean mDirected
int mNbVertices
int mNbEdges
int mNbVertexValues
int mNbEdgeValues
ListVertices mListVertices
ListEdges mListEdges
ArrayList<LinkedList<Integer>> mListAdjacent

```

## Graphe en mémoire

```

- GRAPH -----
Nom du graphe = GrapheStructure
Le graphe est non orienté
Nombre de sommets = 5
Nombre de valeurs aux sommets = 1
Nombre d'arcs = 7
Nombre de valeurs aux arcs = 2
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Liste des sommets :

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a [ 18.0 ]
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Liste des arcs :

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```

Liste d'adjacence :

```

a - b(0) c(1) d(2)
b - a(0) d(3) e(4)
c - a(1) d(5)
d - a(2) b(3) c(5)
e - b(4) d(6)
----- GRAPH -
```

## Vertex.java

```

int mId
String mName
int mDegree
int mDegreePos
int mDegreeNeg
int mColor
int mNbValues
double mValues[]

```

## Edge.java

```

int mId
int mIndexInitialVertex
int mIndexFinalVertex
String mNameInitialVertex
String mNameFinalVertex
int mNbValues
double mValues[]

```

## ListVertices.java

```

ArrayList<Vertex> mList
double mValue

```

## ListEdges.java

```

ArrayList<Edge> mList
double mValue

```