

Domino

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Sat Nov 6 20:18:42 2010

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Chapter 1

Namespace Index

1.1 Package List

Here are the packages with brief descriptions (if available):

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Chapter 2

Class Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

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Chapter 5

Namespace Documentation

5.1 Package timeTable

Packages

- package [dataStructures](#)
- package [transportNetwork](#)
- package [util](#)
- package [view](#)

5.2 Package timeTable.dataStructures

Classes

- class [Availability](#)
- class [Student](#)
- class [TimeInterval](#)
- class [TimeIntervalGroup](#)
- class [TimeTable](#)

5.3 Package timeTable.transportNetwork

Classes

- class [Arc](#)
- interface [FlowableArc](#)
- interface [FlowableVertex](#)
- class [FlowMark](#)
- class [TransportNetwork](#)
- class [Vertex](#)

5.4 Package timeTable.util

Classes

- class [Fifo](#)

5.5 Package timeTable.view

Classes

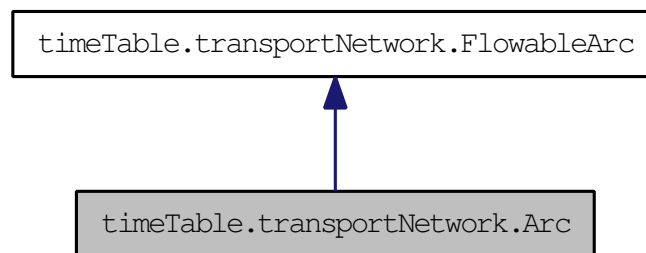
- class [Domino](#)

Chapter 6

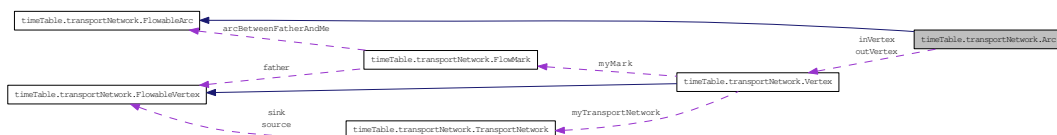
Class Documentation

6.1 `timeTable.transportNetwork.Arc` Class Reference

Inheritance diagram for `timeTable.transportNetwork.Arc`:



Collaboration diagram for `timeTable.transportNetwork.Arc`:



Public Member Functions

- `Arc` (`Vertex inVertex`, `Vertex outVertex`, double `minCapacity`, double `maxCapacity`)
- double `getMinCapacity` ()
- double `getMaxCapacity` ()
- double `getFlowValue` ()
- void `increaseConformFlow` (double increment)
- void `increaseUnconformFlow` (double increment)
- double `getConformResidualValue` ()
- double `getUnconformResidualValue` ()
- `FlowableVertex` `getInVertex` ()
- `FlowableVertex` `getOutVertex` ()
- String `toString` ()

Private Attributes

- double [minCapacity](#)
- double [maxCapacity](#)
- double [flowValue](#)
- [Vertex](#) [inVertex](#)
- [Vertex](#) [outVertex](#)

6.1.1 Detailed Description

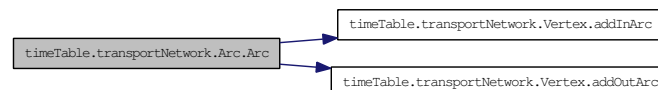
Exemple d'implémentation de l'interface [FlowableArc](#), représente une arête du réseau de transport.

6.1.2 Constructor & Destructor Documentation

6.1.2.1 `timeTable.transportNetwork.Arc.Arc (Vertex inVertex, Vertex outVertex, double minCapacity, double maxCapacity)`

Une arête se construit à partir de deux sommets, une borne inférieure et une borne supérieure. Ce constructeur se charge aussi d'invoquer les `add**Arc (this)`.

Here is the call graph for this function:



6.1.3 Member Function Documentation

6.1.3.1 `double timeTable.transportNetwork.Arc.getConformResidualValue ()`

Retourne la valeur résiduelle de l'arc (si il est pris dans le sens conforme).

Implements [timeTable.transportNetwork.FlowableArc](#).

6.1.3.2 `double timeTable.transportNetwork.Arc.getFlowValue ()`

Retourne la valeur du flot.

Implements [timeTable.transportNetwork.FlowableArc](#).

6.1.3.3 `FlowableVertex timeTable.transportNetwork.Arc.getInVertex ()`

Retourne le sommet de "d'origine" de l'arc.

Implements [timeTable.transportNetwork.FlowableArc](#).

6.1.3.4 `double timeTable.transportNetwork.Arc.getMaxCapacity ()`

Retourne la borne supérieure de la capacité de l'arc.

Implements [timeTable.transportNetwork.FlowableArc](#).

6.1.3.5 `double timeTable.transportNetwork.Arc.getMinCapacity ()`

Retourne la borne inférieure de la capacité de l'arc.

Implements [timeTable.transportNetwork.FlowableArc](#).

6.1.3.6 `FlowableVertex timeTable.transportNetwork.Arc.getOutVertex ()`

Retourne le sommet d'"arrivée" de l'arc.

Implements [timeTable.transportNetwork.FlowableArc](#).

6.1.3.7 `double timeTable.transportNetwork.Arc.getUnconformResidualValue ()`

Retourne la valeur résiduelle de l'arc (si il est pris dans le sens non conforme).

Implements [timeTable.transportNetwork.FlowableArc](#).

6.1.3.8 `void timeTable.transportNetwork.Arc.increaseConformFlow (double increment)`

Pour augmenter le flot dans le sens conforme.

Implements [timeTable.transportNetwork.FlowableArc](#).

6.1.3.9 `void timeTable.transportNetwork.Arc.increaseUnconformFlow (double increment)`

Pour augmenter le flot dans le sens non conforme.

Implements [timeTable.transportNetwork.FlowableArc](#).

6.1.3.10 `String timeTable.transportNetwork.Arc.toString ()`

Retourne l'arête au format chaîne de caractères

Here is the call graph for this function:

**6.1.4** **Member Data Documentation****6.1.4.1** `double timeTable.transportNetwork.Arc.flowValue [private]`

Valeur du flot circulant dans l'arc...

6.1.4.2 `Vertex timeTable.transportNetwork.Arc.inVertex [private]`

Sommet dont l'arête courante "part".

6.1.4.3 double timeTable.transportNetwork.Arc.maxCapacity [private]

Capacité maximale de l'arc, ie. borne supérieure pour le flot.

6.1.4.4 double timeTable.transportNetwork.Arc.minCapacity [private]

Capacité minimale de l'arc, ie. borne inférieure pour le flot.

6.1.4.5 Vertex timeTable.transportNetwork.Arc.outVertex [private]

Sommet dans lequel l'arête courante "arrive".

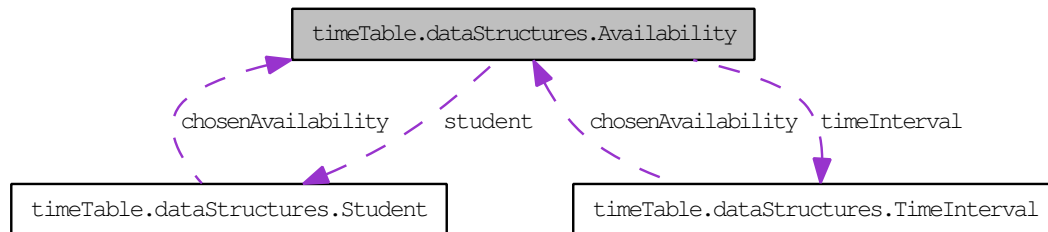
The documentation for this class was generated from the following file:

- sources/timeTable/transportNetwork/[Arc.java](#)

6.2 timeTable.dataStructures.Availability Class Reference

Inherits java.io.Serializable.

Collaboration diagram for timeTable.dataStructures.Availability:



Public Member Functions

- `Availability (Student student, TimeInterval timeInterval)`
- `Student getStudent ()`
- `TimeInterval getTimeInterval ()`
- `int getStudentIndex ()`
- `void chose ()`
- `boolean isChosen ()`
- `void unChose ()`
- `int getTimeIntervalIndex ()`
- `String toString ()`

Private Attributes

- `Student student`
- `TimeInterval timeInterval`
- `boolean chosen`

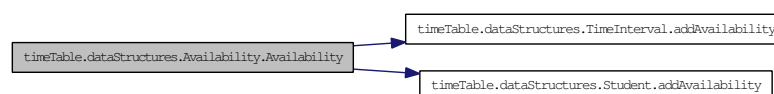
Static Private Attributes

- `static final long serialVersionUID = 52L`

6.2.1 Constructor & Destructor Documentation

6.2.1.1 timeTable.dataStructures.Availability.Availability (Student *student*, TimeInterval *timeInterval*)

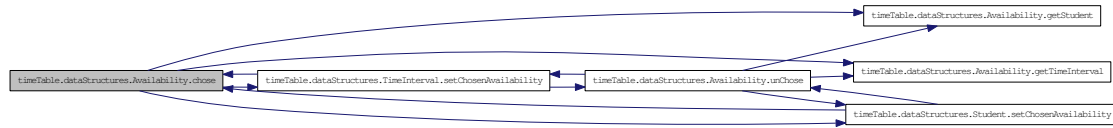
Here is the call graph for this function:



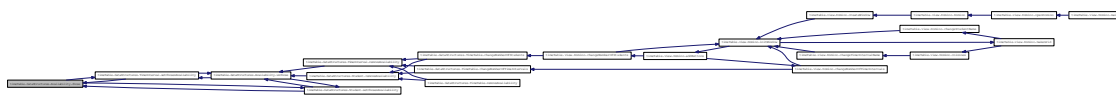
6.2.2 Member Function Documentation

6.2.2.1 void timeTable.dataStructures.Availability.chose ()

Here is the call graph for this function:

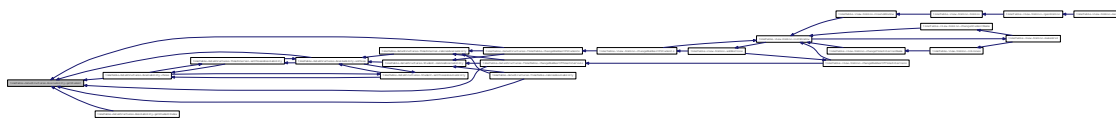


Here is the caller graph for this function:



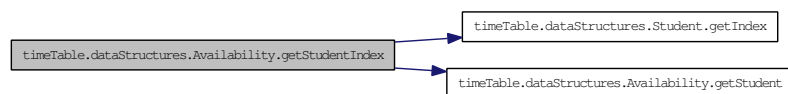
6.2.2.2 Student timeTable.dataStructures.Availability.getStudent ()

Here is the caller graph for this function:



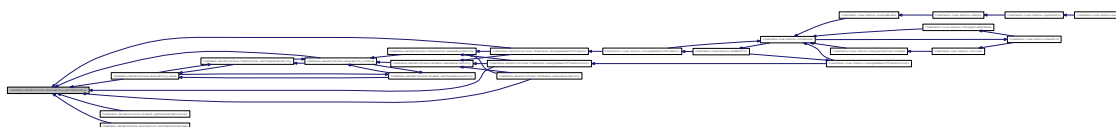
6.2.2.3 int timeTable.dataStructures.Availability.getStudentIndex ()

Here is the call graph for this function:



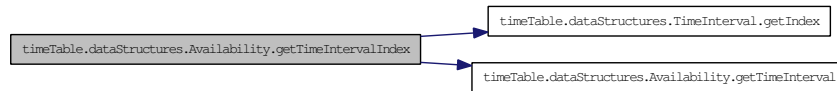
6.2.2.4 TimeInterval timeTable.dataStructures.Availability.getTimeInterval ()

Here is the caller graph for this function:



6.2.2.5 int timeTable.dataStructures.Availability.getTimeIntervalIndex ()

Here is the call graph for this function:



6.2.2.6 boolean timeTable.dataStructures.Availability.isChosen ()

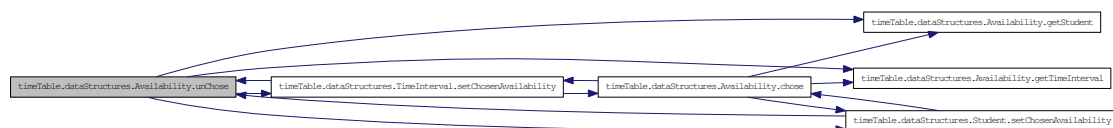
6.2.2.7 String timeTable.dataStructures.Availability.toString ()

Here is the call graph for this function:



6.2.2.8 void timeTable.dataStructures.Availability.unChose ()

Here is the call graph for this function:



Here is the caller graph for this function:



6.2.3 Member Data Documentation

6.2.3.1 boolean timeTable.dataStructures.Availability.chosen [private]

```
6.2.3.2 final long timeTable.dataStructures.Availability.serialVersionUID = 52L    [static,
private]
```

6.2.3.3 Student timeTable.dataStructures.Availability.student [private]

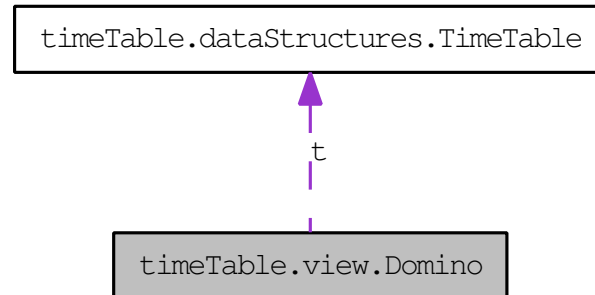
6.2.3.4 TimeInterval timetable.dataStructures.Availability.timeInterval [private]

The documentation for this class was generated from the following file:

- sources/timeTable/dataStructures/[Availability.java](#)

6.3 timeTable.view.Domino Class Reference

Collaboration diagram for timeTable.view.Domino:



Public Member Functions

- [Domino](#) ([TimeTable t](#))

Static Public Member Functions

- static void [main](#) (String[] args)

Private Member Functions

- void [changeStudentName](#) (int index)
- void [changeTimeIntervalName](#) (int index)
- void [changeNumberOfStudents](#) ()
- void [changeNumberOfTimeIntervals](#) ()
- void [colonnes](#) (JPanel panel)
- void [updateColors](#) ()
- JPanel [makeGrid](#) ()
- JPanel [addButtons](#) ()
- void [initWindow](#) ()
- void [createWindow](#) ()

Static Private Member Functions

- static String [getFile](#) (int mode)
- static void [openDomino](#) () throws Exception

Private Attributes

- [TimeTable t](#)
- Vector< Vector< JCheckBox > > [cells](#)
- Vector< JLabel > [students](#)
- Vector< JLabel > [timeIntervals](#)
- final Color [defaultColor](#) = null

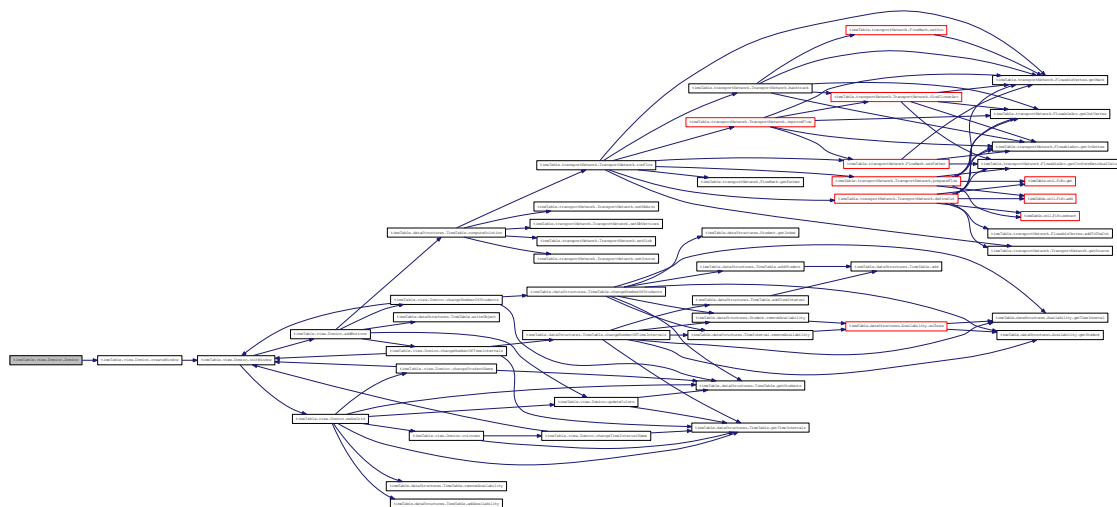
Static Private Attributes

- static final long [serialVersionUID](#) = 32L

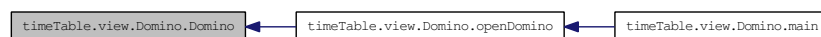
6.3.1 Constructor & Destructor Documentation

6.3.1.1 timeTable.view.Domino.Domino (TimeTable *t*)

Here is the call graph for this function:

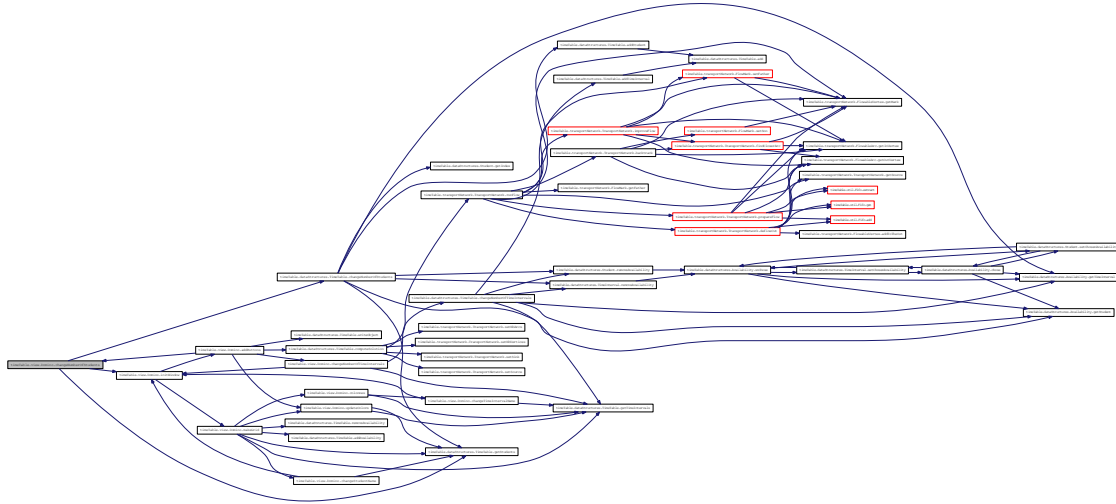


Here is the caller graph for this function:

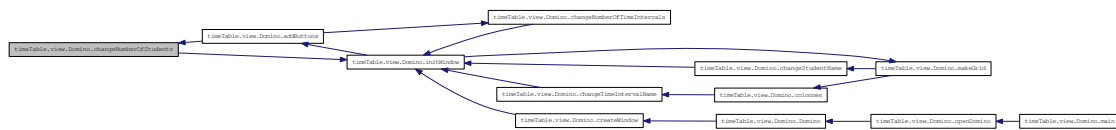


6.3.2.2 void timeTable.view.Domino.changeNumberOfStudents () [private]

Here is the call graph for this function:

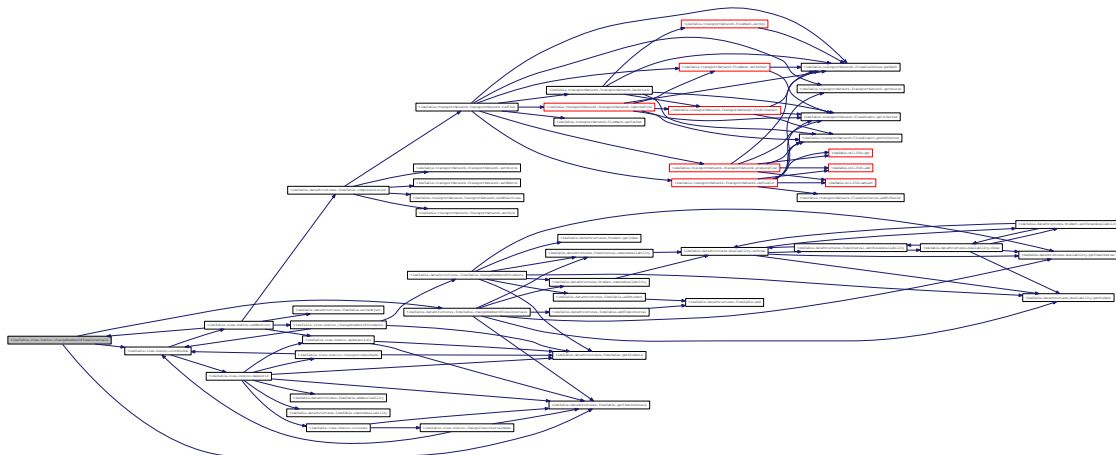


Here is the caller graph for this function:

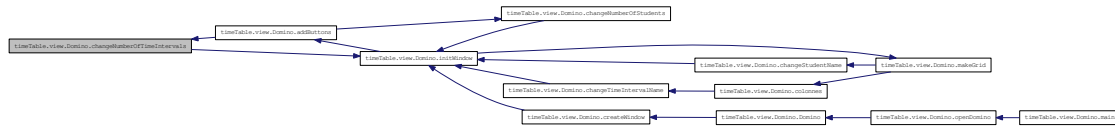


6.3.2.3 void timeTable.view.Domino.changeNumberOfTimeIntervals () [private]

Here is the call graph for this function:

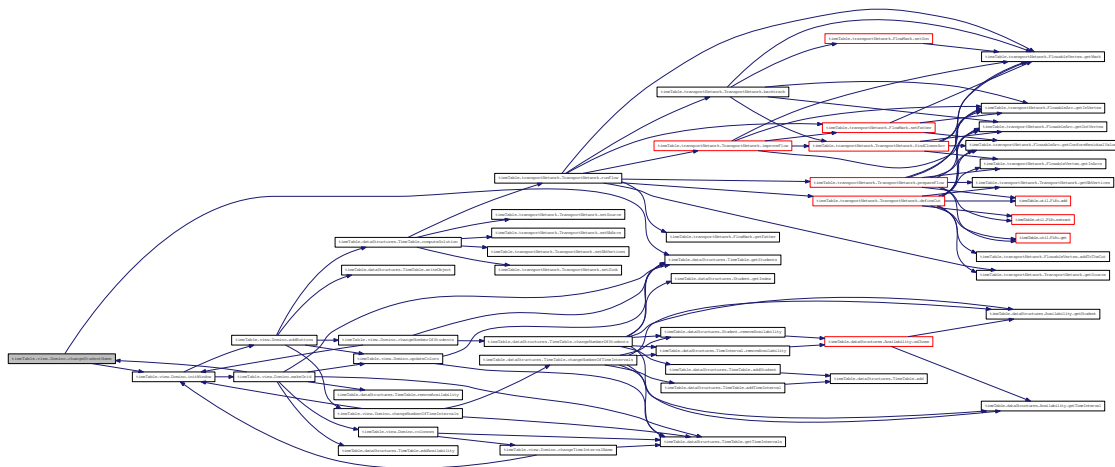


Here is the caller graph for this function:

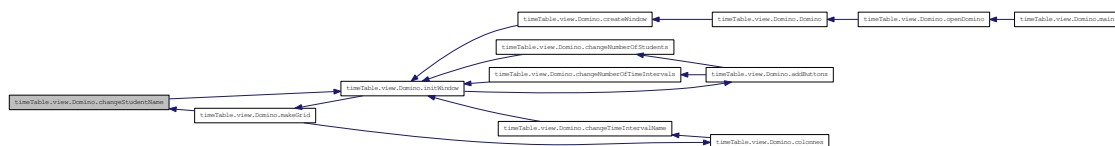


6.3.2.4 void timeTable.view.Domino.changeStudentName (int *index*) [private]

Here is the call graph for this function:

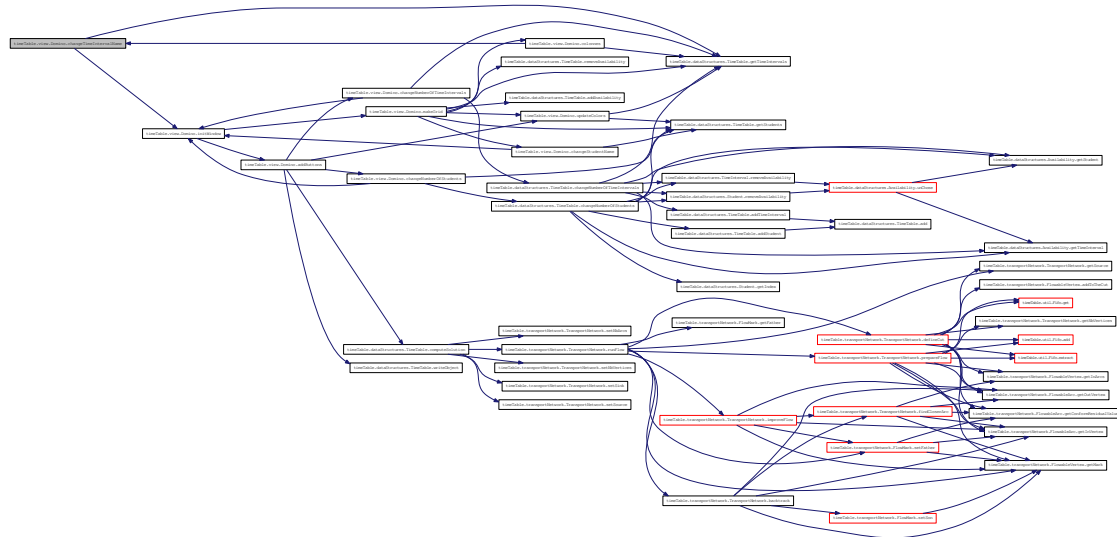


Here is the caller graph for this function:

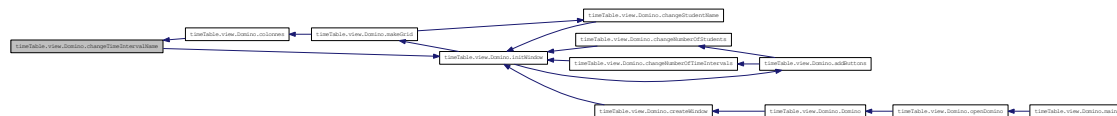


6.3.2.5 void timeTable.view.Domino.changeTimeIntervalName (int *index*) [private]

Here is the call graph for this function:

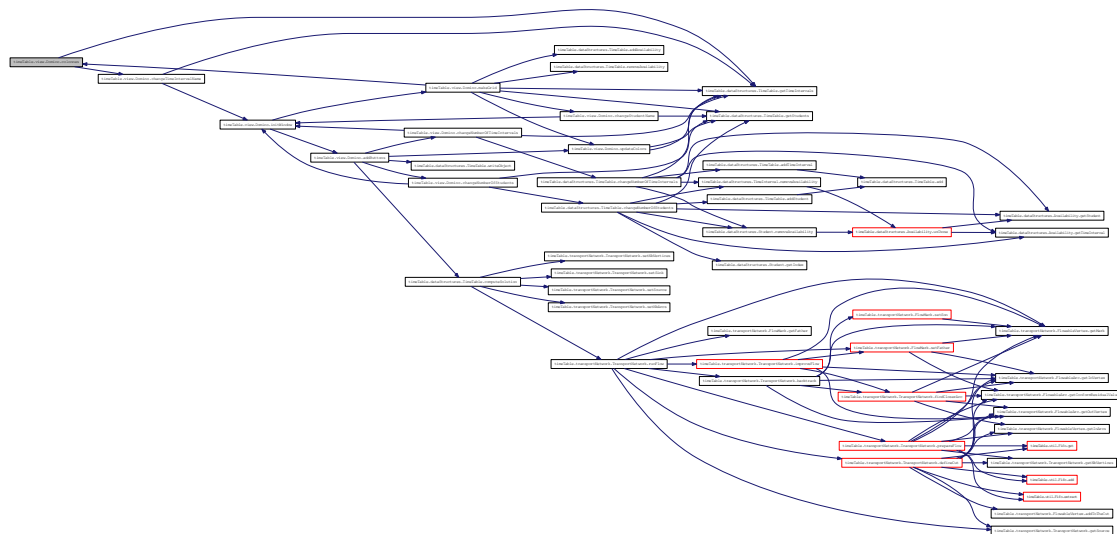


Here is the caller graph for this function:



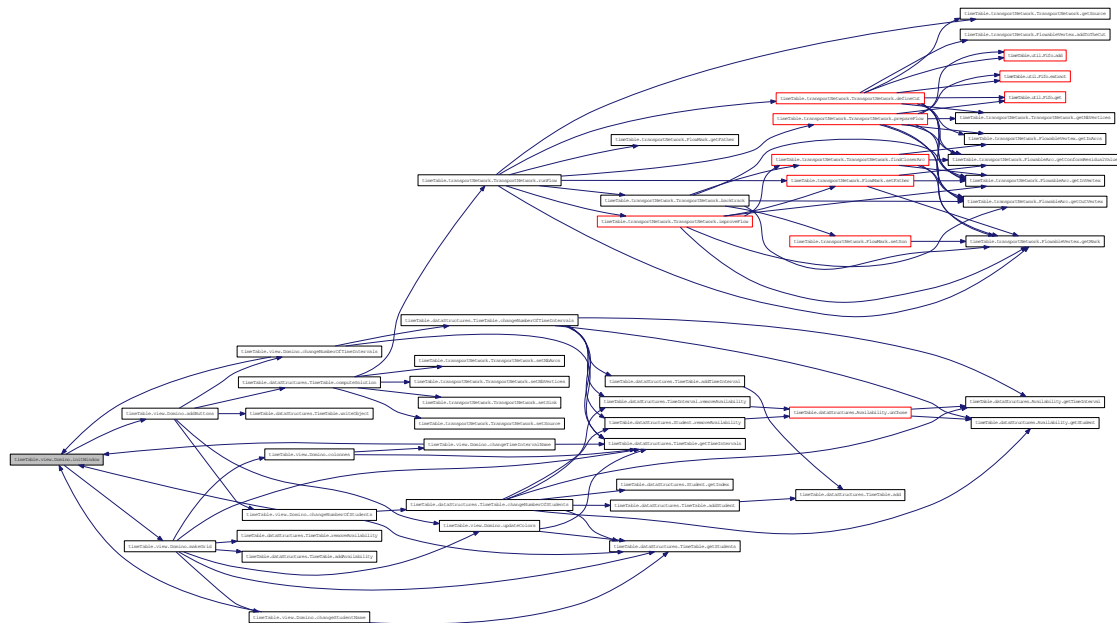
6.3.2.6 void timeTable.view.Domino.colonnes (JPanel *panel*) [private]

Here is the call graph for this function:

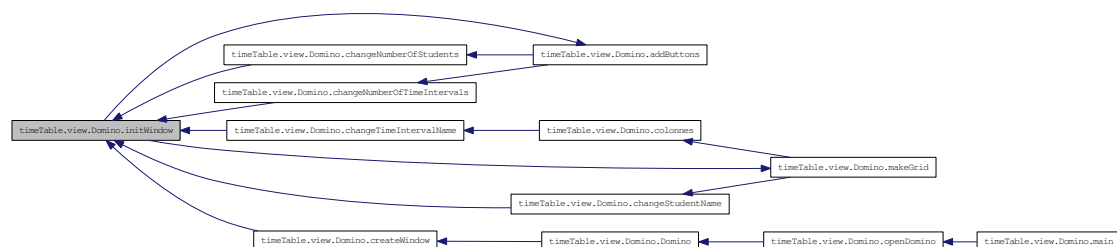


6.3.2.9 void timeTable.view.Domino.initWindow () [private]

Here is the call graph for this function:

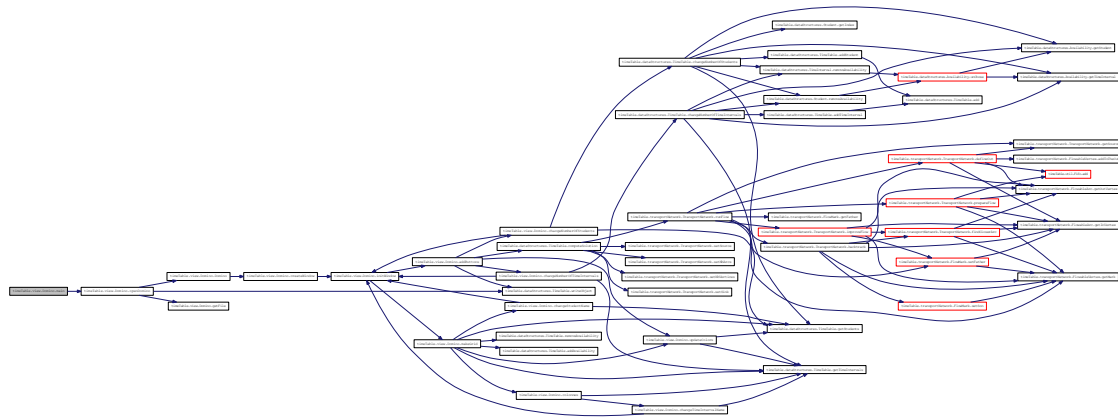


Here is the caller graph for this function:



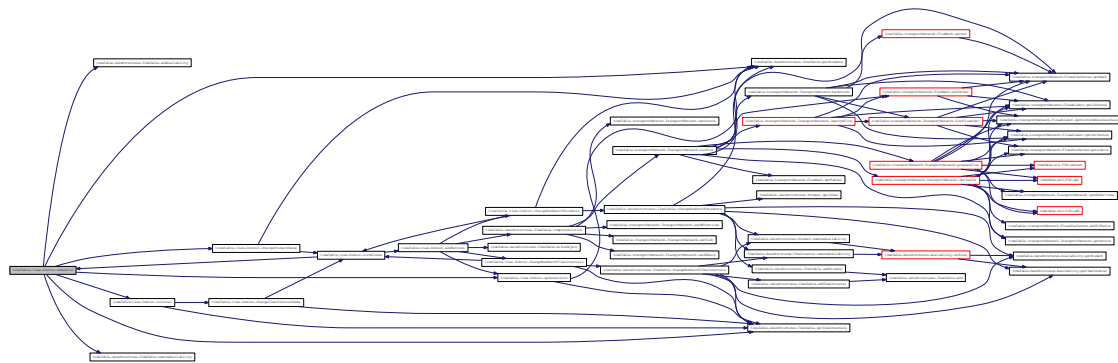
6.3.2.10 static void timeTable.view.Domino.main (String[] args) [static]

Here is the call graph for this function:

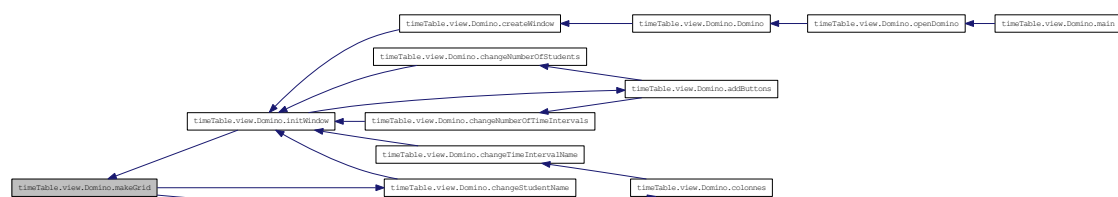


6.3.2.11 JPanel timeTable.view.Domino.makeGrid () [private]

Here is the call graph for this function:

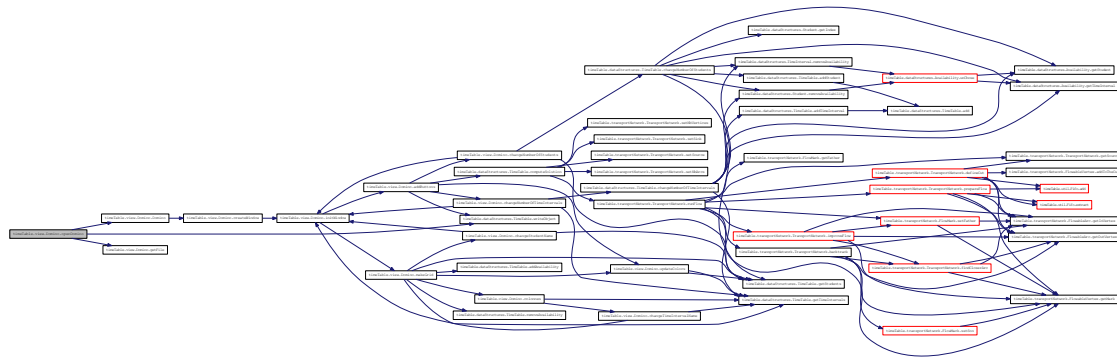


Here is the caller graph for this function:

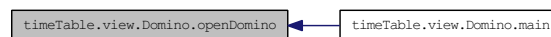


6.3.2.12 static void timeTable.view.Domino.openDomino () throws Exception [static, private]

Here is the call graph for this function:

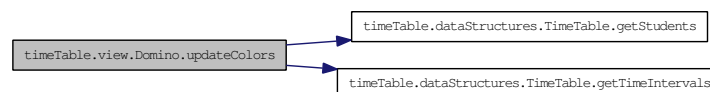


Here is the caller graph for this function:

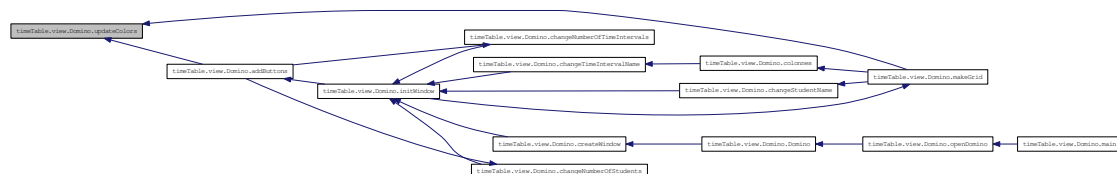


6.3.2.13 void timeTable.view.Domino.updateColors () [private]

Here is the call graph for this function:



Here is the caller graph for this function:



6.3.3 Member Data Documentation

6.3.3.1 `Vector<Vector<JCheckBox>> timeTable.view.Domino.cells` `[private]`

6.3.3.2 `final Color timeTable.view.Domino.defaultColor = null` `[private]`

6.3.3.3 `final long timeTable.view.Domino.serialVersionUID = 32L` `[static, private]`

6.3.3.4 `Vector<JLabel> timeTable.view.Domino.students` `[private]`

6.3.3.5 `TimeTable timeTable.view.Domino.t` `[private]`

6.3.3.6 `Vector<JLabel> timeTable.view.Domino.timeIntervals` `[private]`

The documentation for this class was generated from the following file:

- `sources/timeTable/view/Domino.java`

6.4 timeTable.util.Fifo Class Reference

Public Member Functions

- [Fifo](#) (int [taille](#))
- void [add](#) (Object o)
- Object [get](#) ()
- void [extract](#) ()
- String [toString](#) ()

Static Package Functions

- static void [main](#) (String[] args)

Private Member Functions

- int [incrementeIndice](#) (int indice)
- boolean [isEmpty](#) ()
- boolean [isFull](#) ()

Private Attributes

- Object[] [file](#)
- int [premier](#)
- int [dernier](#)
- int [taille](#)

6.4.1 Detailed Description

[Fifo](#) de taille bornée g  r   avec un tableau.

6.4.2 Constructor & Destructor Documentation

6.4.2.1 timeTable.util.Fifo.Fifo (int *taille*)

Il suffit pour cr  er une [Fifo](#) de pr  ciser sa taille.

Here is the caller graph for this function:

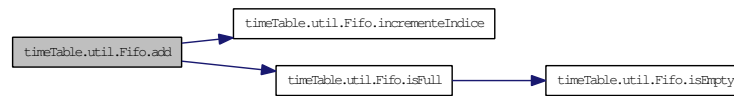


6.4.3 Member Function Documentation

6.4.3.1 void timeTable.util.Fifo.add (Object o)

Pour ajouter un objet dans la file.

Here is the call graph for this function:



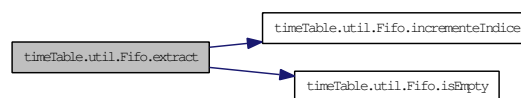
Here is the caller graph for this function:



6.4.3.2 void timeTable.util.Fifo.extract ()

Pour éliminer la tête de file.

Here is the call graph for this function:



Here is the caller graph for this function:



6.4.3.3 Object timeTable.util.Fifo.get ()

Pour récupérer la tête de file, renvoie null si la file est vide.

Here is the call graph for this function:



Here is the caller graph for this function:



6.4.3.4 int timeTable.util.Fifo.incrementeIndice (int *indice*) [private]

Here is the caller graph for this function:



6.4.3.5 boolean timeTable.util.Fifo.isEmpty () [private]

Here is the caller graph for this function:



6.4.3.6 boolean timeTable.util.Fifo.isFull () [private]

Here is the call graph for this function:

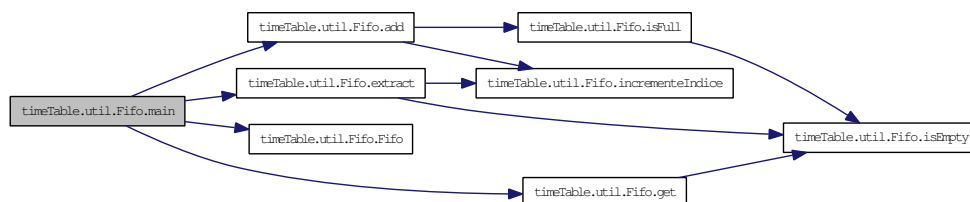


Here is the caller graph for this function:



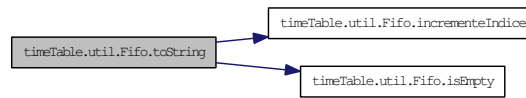
6.4.3.7 static void timeTable.util.Fifo.main (String[] *args*) [static, package]

Here is the call graph for this function:



6.4.3.8 String timeTable.util.Fifo.toString ()

Here is the call graph for this function:



6.4.4 Member Data Documentation

6.4.4.1 int timeTable.util.Fifo.dernier [private]

6.4.4.2 Object [] timeTable.util.Fifo.file [private]

6.4.4.3 int timeTable.util.Fifo.premier [private]

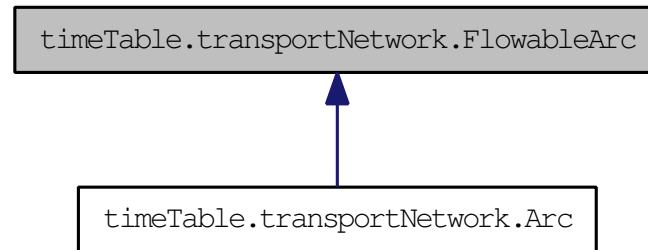
6.4.4.4 int timeTable.util.Fifo.taille [private]

The documentation for this class was generated from the following file:

- [sources/timeTable/util/Fifo.java](#)

6.5 `timeTable.transportNetwork.FlowableArc` Interface Reference

Inheritance diagram for `timeTable.transportNetwork.FlowableArc`:



Public Member Functions

- double [getMinCapacity](#) ()
- double [getMaxCapacity](#) ()
- double [getFlowValue](#) ()
- double [getConformResidualValue](#) ()
- double [getUnconformResidualValue](#) ()
- [FlowableVertex](#) [getInVertex](#) ()
- [FlowableVertex](#) [getOutVertex](#) ()
- void [increaseConformFlow](#) (double increment)
- void [increaseUnconformFlow](#) (double increment)

6.5.1 Detailed Description

Interface pour les flots, plus précisément pour les arêtes.

Les arêtes représentées dans cette interface doivent posséder un intervalle de valuations, pouvoir accepter des flots, et permettre un accès aux sommets adjacents. Le réseau mis en place ici doit admettre le flot nul comme solution réalisable. Une valuation strictement négative est interprétée ici comme une absence de borne. Une valuation négative doit être implémentée comme une valuation positive sur l'arc inconforme.

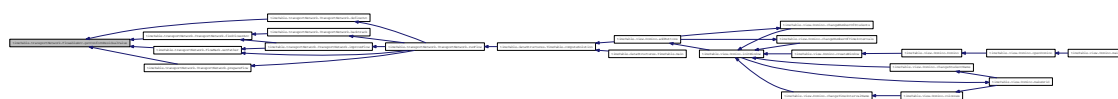
6.5.2 Member Function Documentation

6.5.2.1 `double timeTable.transportNetwork.FlowableArc.getConformResidualValue ()`

Quantité de flot qu'il est encore possible de faire passer dans cet arc. C'est à dire sa valeur dans le graphe résiduel. Renvoyer 0 s'il n'est plus possible d'en faire passer, un nombre strictement négatif si cette arête est dans le graphe résiduel de capacité infinie.

Implemented in [timeTable.transportNetwork.Arc](#).

Here is the caller graph for this function:



6.5.2.2 double `timeTable.transportNetwork.FlowableArc.getFlowValue ()`

Valeur effective du flot.

Implemented in [timeTable.transportNetwork.Arc](#).

6.5.2.3 FlowableVertex `timeTable.transportNetwork.FlowableArc.getInVertex ()`

Si l'arc courant (u, v) est orienté de u vers v, cette méthode retourne le sommet u.

Implemented in [timeTable.transportNetwork.Arc](#).

Here is the caller graph for this function:



6.5.2.4 double `timeTable.transportNetwork.FlowableArc.getMaxCapacity ()`

Capacité de l'arc conforme, c'est-à-dire flot maximal qu'il est possible d'y faire passer. Si la capacité de cet arc est infinie, il faut renvoyer une valeur strictement négative.

Implemented in [timeTable.transportNetwork.Arc](#).

6.5.2.5 double `timeTable.transportNetwork.FlowableArc.getMinCapacity ()`

Capacité de l'arc inconforme, c'est-à-dire flot qu'il est possible de faire passer dans le sens inverse. Cette valeur peut aussi être vue comme une borne inférieure pour un flot négatif. Si il n'existe pas de borne inférieure, donc que l'arc non conforme est de capacité infinie, il faut renvoyer une valeur strictement positive.

Implemented in [timeTable.transportNetwork.Arc](#).

6.5.2.6 FlowableVertex `timeTable.transportNetwork.FlowableArc.getOutVertex ()`

Si l'arc courant (u, v) est orienté de u vers v, cette méthode retourne le sommet v.

Implemented in [timeTable.transportNetwork.Arc](#).

Here is the caller graph for this function:



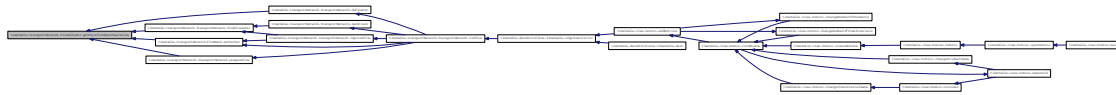
6.5.2.7 double `timeTable.transportNetwork.FlowableArc.getUnconformResidualValue ()`

Quantité de flot qu'il est possible de faire passer dans l'arc non conforme. Valeur résiduelle de l'arc dans le sens inverse. On peut aussi voir cela comme la quantité de flot qu'il est possible de retrancher sur cet

arc. S'il n'est plus possible d'ajouter du flot sur l'arc inconforme, renvoyer 0. Si l'arc inconforme est de capacité infinie, renvoyer une valeur strictement négative.

Implemented in [timeTable.transportNetwork.Arc](#).

Here is the caller graph for this function:

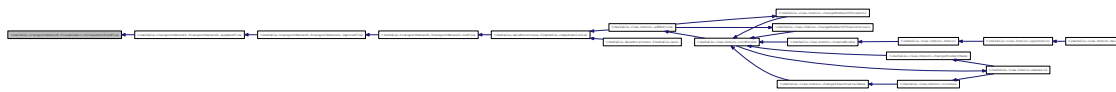


6.5.2.8 void timeTable.transportNetwork.FlowableArc.increaseConformFlow (double *increment*)

Pour augmenter le flot dans l'orientation conforme.

Implemented in [timeTable.transportNetwork.Arc](#).

Here is the caller graph for this function:

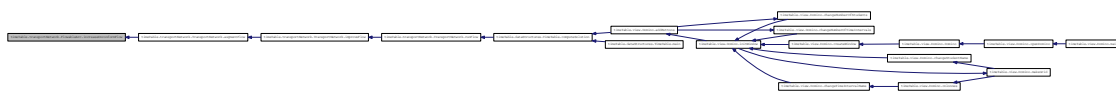


6.5.2.9 void timeTable.transportNetwork.FlowableArc.increaseUnconformFlow (double *increment*)

Pour augmenter le flot dans l'orientation non conforme.

Implemented in [timeTable.transportNetwork.Arc](#).

Here is the caller graph for this function:



The documentation for this interface was generated from the following file:

- [sources/timeTable/transportNetwork/FlowableArc.java](#)

6.6.2.2 void timeTable.transportNetwork.FlowableVertex.addToTheCut ()

Ajoute ce sommet dans la coupe.

Implemented in [timeTable.transportNetwork.Vertex](#).

Here is the caller graph for this function:

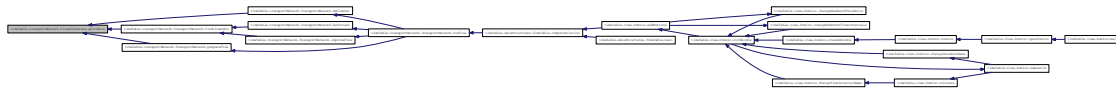


6.6.2.3 Vector timeTable.transportNetwork.FlowableVertex.getInArcs ()

Renvoie, consignées dans un `Vector`, toutes les arêtes entrants dans le sommet courant. Attention : il faut que tous les éléments contenus dans ce `Vector` soient de type `FlowableArc`, sinon ça sera à vous de rattraper la `ClassCastException` !

Implemented in [timeTable.transportNetwork.Vertex](#).

Here is the caller graph for this function:



6.6.2.4 FlowMark timeTable.transportNetwork.FlowableVertex.getMark ()

Pour consulter la marque du sommet courant.

Implemented in [timeTable.transportNetwork.Vertex](#).

Here is the caller graph for this function:

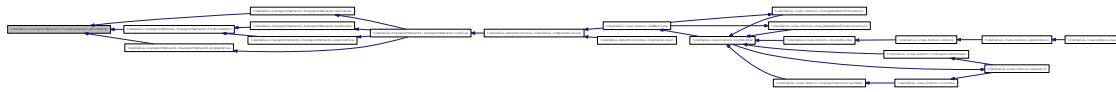


6.6.2.5 Vector timeTable.transportNetwork.FlowableVertex.getOutArcs ()

Renvoie, consignées dans un `Vector`, toutes les arêtes sortant du sommet courant. Attention : il faut que tous les éléments contenus dans ce `Vector` soient de type `FlowableArc`, sinon ça sera à vous de rattraper la `ClassCastException` !

Implemented in [timeTable.transportNetwork.Vertex](#).

Here is the caller graph for this function:



6.6.2.6 FlowableVertex timeTable.transportNetwork.FlowableVertex.getSink ()

Retourne le sommet puit du réseau de transport.

Implemented in [timeTable.transportNetwork.Vertex](#).

6.6.2.7 FlowableVertex timeTable.transportNetwork.FlowableVertex.getSource ()

Retourne le sommet source du réseau de transport.

Implemented in [timeTable.transportNetwork.Vertex](#).

6.6.2.8 boolean timeTable.transportNetwork.FlowableVertex.isInTheCut ()

Retourne `true` si ce sommet est dans la coupe.

Implemented in [timeTable.transportNetwork.Vertex](#).

Here is the caller graph for this function:

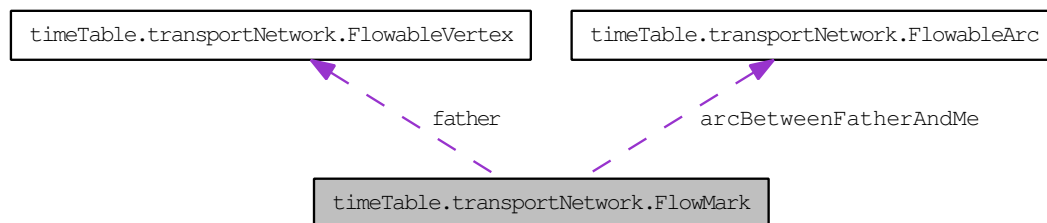


The documentation for this interface was generated from the following file:

- [sources/timeTable/transportNetwork/FlowableVertex.java](#)

6.7 `timeTable.transportNetwork.FlowMark` Class Reference

Collaboration diagram for `timeTable.transportNetwork.FlowMark`:



Public Member Functions

- [FlowMark](#) (int *distance*)
- boolean [isConform](#) ()
- double [getMaxFlowValue](#) ()
- void [setSon](#) ([FlowableVertex](#) son)
- int [getDistance](#) ()
- [FlowableArc](#) [getArcBetweenFatherAndMe](#) ()
- [FlowableVertex](#) [getFather](#) ()
- void [setFather](#) ([FlowableVertex](#) father, [FlowableArc](#) arcBetweenFatherAndMe)
- String [toString](#) ()

Private Attributes

- [FlowableVertex](#) father
- [FlowableArc](#) arcBetweenFatherAndMe
- boolean conform
- double maxFlowValue
- int distance

6.7.1 Detailed Description

Marque déposée sur les sommets lors du parcours en largeur effectué pour la préparation de l'algorithme de flots. Cette marque contient les distances au puits et permet de même d'effectuer une recherche de chemins améliorants. Tout ce qu'il y a à faire est d'implémenter l'interface [FlowableVertex](#).

6.7.2 Constructor & Destructor Documentation

6.7.2.1 `timeTable.transportNetwork.FlowMark.FlowMark` (int *distance*)

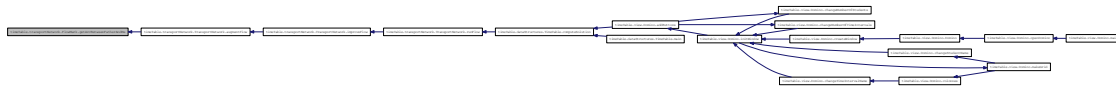
Constructeur bête et méchant.

6.7.3 Member Function Documentation

6.7.3.1 FlowableArc timeTable.transportNetwork.FlowMark.getArcBetweenFatherAndMe ()

Retourne l'arête liant dans un chemin améliorant ce sommet à son père.

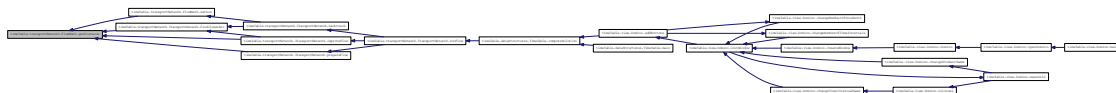
Here is the caller graph for this function:



6.7.3.2 int timeTable.transportNetwork.FlowMark.getDistance ()

Retourne la longueur du plus court chemin allant du sommet marqué par `this` au puit. -1 si il n'existe pas de tel chemin.

Here is the caller graph for this function:



6.7.3.3 FlowableVertex timeTable.transportNetwork.FlowMark.getFather ()

Retourne le sommet précédant celui-ci dans la recherche du plus court chemin améliorant.

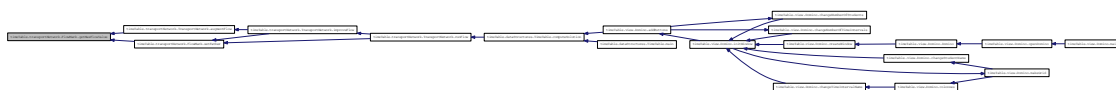
Here is the caller graph for this function:



6.7.3.4 double timeTable.transportNetwork.FlowMark.getMaxFlowValue ()

Retourne le `maxFlowValue`.

Here is the caller graph for this function:



6.7.3.5 boolean timeTable.transportNetwork.FlowMark.isConform ()

Retourne `true` si l'arc est conforme, `false` sinon.

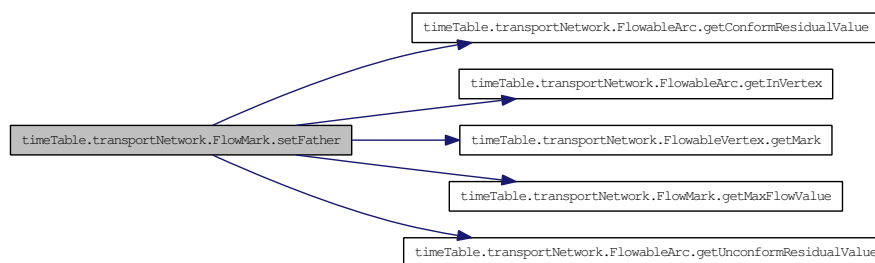
Here is the caller graph for this function:



6.7.3.6 void timeTable.transportNetwork.FlowMark.setFather (FlowableVertex *father*, FlowableArc *arcBetweenFatherAndMe*)

Détermine le père du sommet courant dans la recherche du plus court chemin améliorant.

Here is the call graph for this function:



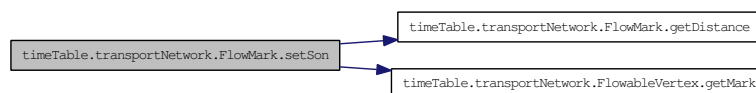
Here is the caller graph for this function:



6.7.3.7 void timeTable.transportNetwork.FlowMark.setSon (FlowableVertex *son*)

Pour modifier, lorsque l'arc reliant le sommet marqué à son fils est saturé, le nouveau fils de ce sommet.

Here is the call graph for this function:



Here is the caller graph for this function:



6.7.3.8 String `timeTable.transportNetwork.FlowMark.toString ()`

Convertit vers le format chaîne de caractères.

6.7.4 Member Data Documentation

6.7.4.1 FlowableArc `timeTable.transportNetwork.FlowMark.arcBetweenFatherAndMe` **[private]**

Arête reliant ce sommet à son père.

6.7.4.2 boolean `timeTable.transportNetwork.FlowMark.conform` **[private]**

Indique si l'arc (`son`, `this`) est conforme ou non conforme.

6.7.4.3 int `timeTable.transportNetwork.FlowMark.distance` **[private]**

Distance du sommet marqué à la source.

6.7.4.4 FlowableVertex `timeTable.transportNetwork.FlowMark.father` **[private]**

Sommet précédant le sommet courant dans la recherche de chemin améliorant.

6.7.4.5 double `timeTable.transportNetwork.FlowMark.maxFlowValue` **[private]**

Indique quelle est la valeur maximale de flot qu'il est possible de faire passer dans le chemin qui a mené jusqu'à ce sommet.

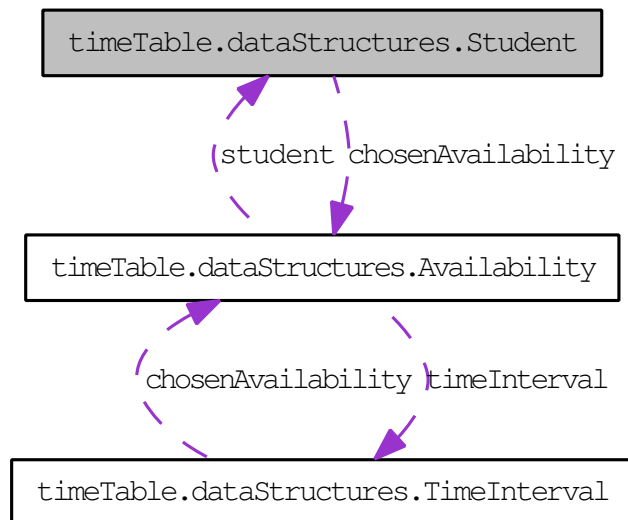
The documentation for this class was generated from the following file:

- [sources/timeTable/transportNetwork/FlowMark.java](#)

6.8 timeTable.dataStructures.Student Class Reference

Inherits java.io.Serializable.

Collaboration diagram for timeTable.dataStructures.Student:



Public Member Functions

- [Student](#) (int [index](#), String [name](#))
- int [getIndex](#) ()
- String [getName](#) ()
- void [setName](#) (String [name](#))
- void [addAvailability](#) ([Availability](#) [availability](#))
- void [removeAvailability](#) ([Availability](#) [availability](#))
- boolean [isAvailable](#) ([TimeInterval](#) [timeInterval](#))
- void [setChosenAvailability](#) ([Availability](#) [chosenAvailability](#))
- [Availability](#) [getChosenAvailability](#) ()
- [TimeInterval](#) [getChosenTimeInterval](#) ()
- String [toString](#) ()

Private Attributes

- int [index](#)
- String [name](#)
- Vector< [Availability](#) > [availabilities](#)
- [Availability](#) [chosenAvailability](#) = null

Static Private Attributes

- static final long [serialVersionUID](#) = 62L

6.8.1 Constructor & Destructor Documentation

6.8.1.1 `timeTable.dataStructures.Student.Student (int index, String name)`

6.8.2 Member Function Documentation

6.8.2.1 `void timeTable.dataStructures.Student.addAvailability (Availability availability)`

Here is the caller graph for this function:



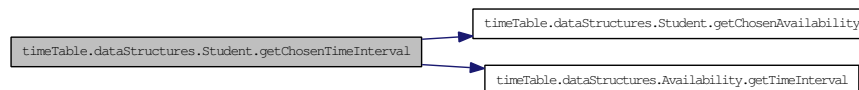
6.8.2.2 `Availability timeTable.dataStructures.Student.getChosenAvailability ()`

Here is the caller graph for this function:



6.8.2.3 `TimeInterval timeTable.dataStructures.Student.getChosenTimeInterval ()`

Here is the call graph for this function:



6.8.2.4 `int timeTable.dataStructures.Student.getIndex ()`

Here is the caller graph for this function:



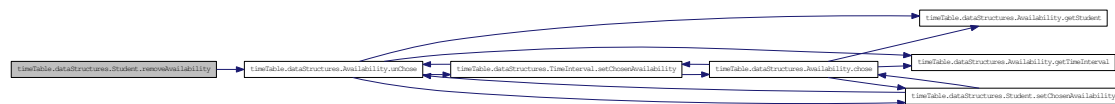
6.8.2.5 `String timeTable.dataStructures.Student.getName ()`

Here is the caller graph for this function:

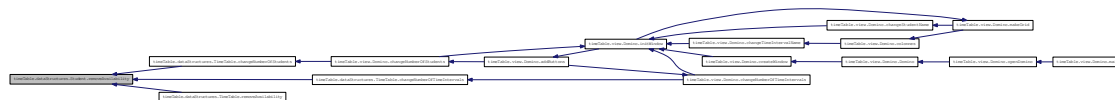


6.8.2.6 boolean timeTable.dataStructures.Student.isAvailable (TimeInterval *timeInterval*)**6.8.2.7 void timeTable.dataStructures.Student.removeAvailability (Availability *availability*)**

Here is the call graph for this function:



Here is the caller graph for this function:

**6.8.2.8 void timeTable.dataStructures.Student.setChosenAvailability (Availability *chosenAvailability*)**

Here is the call graph for this function:



Here is the caller graph for this function:



6.8.2.9 void timeTable.dataStructures.Student.setName (String *name*)

6.8.2.10 String timeTable.dataStructures.Student.toString ()

6.8.3 Member Data Documentation

6.8.3.1 Vector<Availability> timeTable.dataStructures.Student.availabilities [private]

6.8.3.2 Availability timeTable.dataStructures.Student.chosenAvailability = null [private]

6.8.3.3 int timeTable.dataStructures.Student.index [private]

6.8.3.4 String timeTable.dataStructures.Student.name [private]

6.8.3.5 final long timeTable.dataStructures.Student.serialVersionUID = 62L [static, private]

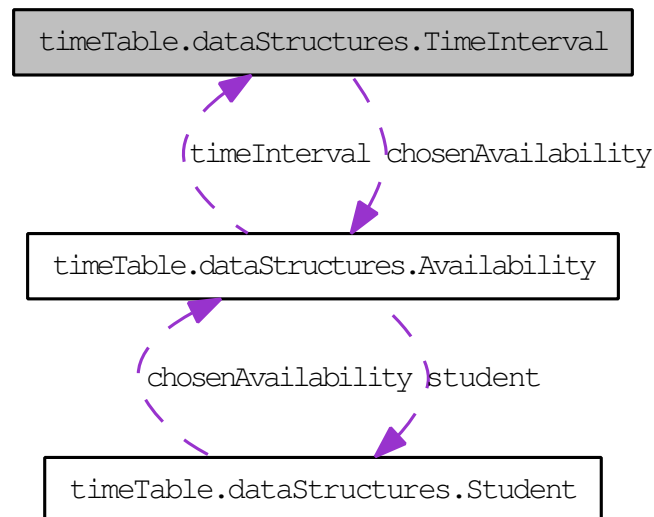
The documentation for this class was generated from the following file:

- sources/timeTable/dataStructures/[Student.java](#)

6.9 timeTable.dataStructures.TimeInterval Class Reference

Inherits java.io.Serializable.

Collaboration diagram for timeTable.dataStructures.TimeInterval:



Public Member Functions

- `TimeInterval` (int `index`, String `name`)
- int `getIndex` ()
- String `getName` ()
- void `setName` (String `name`)
- void `addAvailability` (`Availability` `availability`)
- void `removeAvailability` (`Availability` `availability`)
- void `setChosenAvailability` (`Availability` `chosenAvailability`)
- `Availability` `getChosenAvailability` ()
- String `toString` ()

Private Attributes

- int `index`
- String `name`
- Vector< `Availability` > `availabilities`
- `Availability` `chosenAvailability`

Static Private Attributes

- static final long `serialVersionUID` = 72L

6.9.1 Constructor & Destructor Documentation

6.9.1.1 `timeTable.dataStructures.TimeInterval.TimeInterval (int index, String name)`

6.9.2 Member Function Documentation

6.9.2.1 `void timeTable.dataStructures.TimeInterval.addAvailability (Availability availability)`

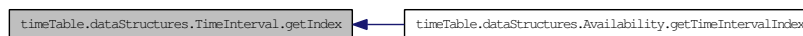
Here is the caller graph for this function:



6.9.2.2 `Availability timeTable.dataStructures.TimeInterval.getChosenAvailability ()`

6.9.2.3 `int timeTable.dataStructures.TimeInterval.getIndex ()`

Here is the caller graph for this function:



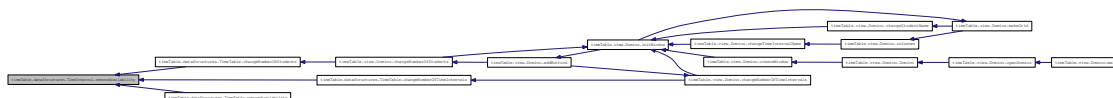
6.9.2.4 `String timeTable.dataStructures.TimeInterval.getName ()`

6.9.2.5 `void timeTable.dataStructures.TimeInterval.removeAvailability (Availability availability)`

Here is the call graph for this function:



Here is the caller graph for this function:



6.9.2.6 void timeTable.dataStructures.TimeInterval.setChosenAvailability (Availability *chosenAvailability*)

Here is the call graph for this function:



Here is the caller graph for this function:



6.9.2.7 void timeTable.dataStructures.TimeInterval.setName (String *name*)

6.9.2.8 String timeTable.dataStructures.TimeInterval.toString ()

6.9.3 Member Data Documentation

6.9.3.1 Vector<Availability> timeTable.dataStructures.TimeInterval.availabilities [private]

6.9.3.2 Availability timeTable.dataStructures.TimeInterval.chosenAvailability [private]

6.9.3.3 int timeTable.dataStructures.TimeInterval.index [private]

6.9.3.4 String timeTable.dataStructures.TimeInterval.name [private]

6.9.3.5 final long timeTable.dataStructures.TimeInterval.serialVersionUID = 72L [static, private]

The documentation for this class was generated from the following file:

- sources/timeTable/dataStructures/[TimeInterval.java](#)

6.10 timeTable.dataStructures.TimeIntervalGroup Class Reference

Inherits java::io::Serializable.

Public Member Functions

- [TimeIntervalGroup](#) (String *name*)
- void [addTimeInterval](#) ([TimeInterval](#) *timeInterval*)
- int [nbTimeIntervals](#) ()
- [TimeInterval](#) [getTimeInterval](#) (int *i*)

Private Attributes

- String *name*
- Vector< [TimeInterval](#) > *timeIntervals*

Static Private Attributes

- static final long [serialVersionUID](#) = 82L

6.10.1 Constructor & Destructor Documentation

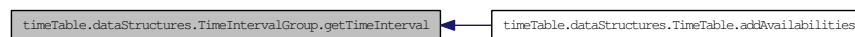
6.10.1.1 timeTable.dataStructures.TimeIntervalGroup.TimeIntervalGroup (String *name*)

6.10.2 Member Function Documentation

6.10.2.1 void timeTable.dataStructures.TimeIntervalGroup.addTimeInterval ([TimeInterval](#) *timeInterval*)

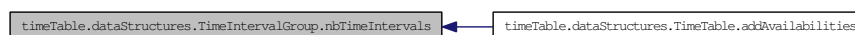
6.10.2.2 [TimeInterval](#) timeTable.dataStructures.TimeIntervalGroup.getTimeInterval (int *i*)

Here is the caller graph for this function:



6.10.2.3 int timeTable.dataStructures.TimeIntervalGroup.nbTimeIntervals ()

Here is the caller graph for this function:



6.10.3 Member Data Documentation

6.10.3.1 String timeTable.dataStructures.TimeIntervalGroup.name [private]

6.10.3.2 final long timeTable.dataStructures.TimeIntervalGroup.serialVersionUID = 82L
[static, private]

6.10.3.3 Vector<TimeInterval> timeTable.dataStructures.TimeIntervalGroup.timeIntervals
[private]

The documentation for this class was generated from the following file:

- sources/timeTable/dataStructures/[TimeIntervalGroup.java](#)

6.11 `timeTable.dataStructures.TimeTable` Class Reference

Inherits `java.io.Serializable`.

Public Member Functions

- `TimeTable ()`
- void `setFileName` (String `fileName`)
- void `addStudent` (String `name`)
- void `addTimeInterval` (String `name`)
- void `addAvailability` (int `studentIndex`, int `timeIntervalIndex`)
- void `removeAvailability` (int `studentIndex`, int `timeIntervalIndex`)
- void `removeAvailability` (`Availability` `availability`)
- void `changeNumberOfStudents` (int `numberOfStudents`)
- void `changeNumberOfTimeIntervals` (int `numberOfTimeIntervals`)
- Vector< `Student` > `getStudents` ()
- Vector< `TimeInterval` > `getTimeIntervals` ()
- void `computeSolution` ()
- String `toString` ()
- boolean `writeObject` (String `fileName`)
- boolean `writeObject` ()

Static Public Member Functions

- static `TimeTable readObject` (String `fileName`) throws `ClassNotFoundException`, `IOException`
- static void `main` (String[] `args`)

Private Member Functions

- void `add` (`Student` `student`)
- void `add` (`TimeInterval` `timeInterval`)
- void `addTimeIntervalGroup` (String `name`)
- void `add` (`TimeIntervalGroup` `timeIntervalGroup`)
- void `addAvailability` (`Student` `student`, `TimeInterval` `timeInterval`)
- void `addAvailabilities` (`Student` `student`, `TimeIntervalGroup` `timeIntervalGroup`)
- void `add` (`Availability` `availability`)

Private Attributes

- Vector< `Student` > `students`
- Vector< `TimeInterval` > `timeIntervals`
- Vector< `TimeIntervalGroup` > `timeIntervalGroups`
- Vector< `Availability` > `availabilities`
- String `fileName`

Static Private Attributes

- static final long `serialVersionUID` = 42L

6.11.1 Constructor & Destructor Documentation

6.11.1.1 timeTable.dataStructures.TimeTable.TimeTable ()

Here is the caller graph for this function:



6.11.2 Member Function Documentation

6.11.2.1 void timeTable.dataStructures.TimeTable.add (Availability *availability*) [private]

6.11.2.2 void timeTable.dataStructures.TimeTable.add (TimeIntervalGroup *timeIntervalGroup*) [private]

6.11.2.3 void timeTable.dataStructures.TimeTable.add (TimeInterval *timeInterval*) [private]

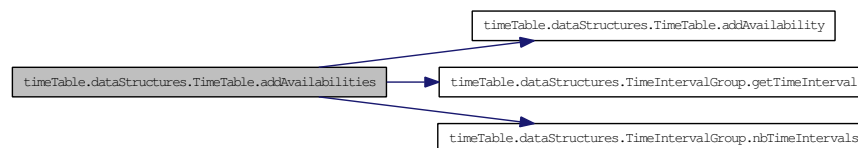
6.11.2.4 void timeTable.dataStructures.TimeTable.add (Student *student*) [private]

Here is the caller graph for this function:



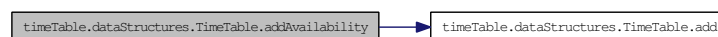
6.11.2.5 void timeTable.dataStructures.TimeTable.addAvailabilities (Student *student*, TimeIntervalGroup *timeIntervalGroup*) [private]

Here is the call graph for this function:

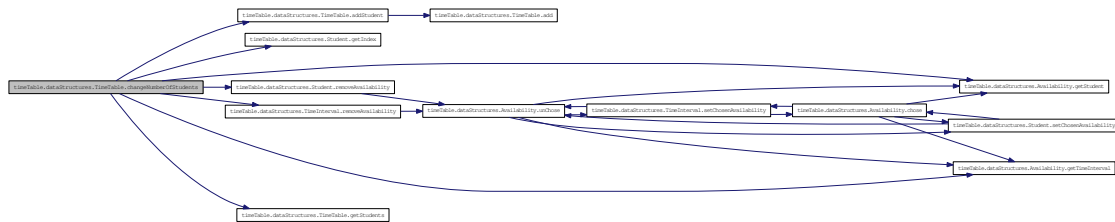


6.11.2.6 void timeTable.dataStructures.TimeTable.addAvailability (Student *student*, TimeInterval *timeInterval*) [private]

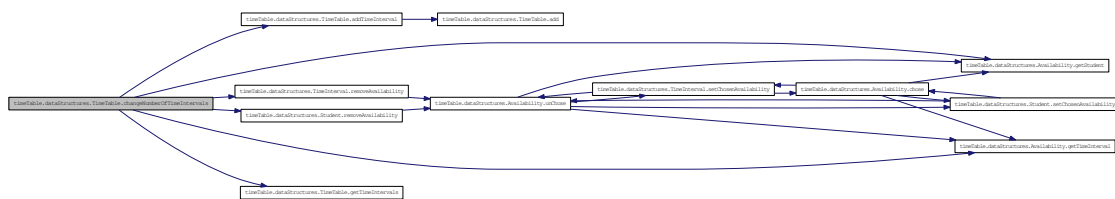
Here is the call graph for this function:

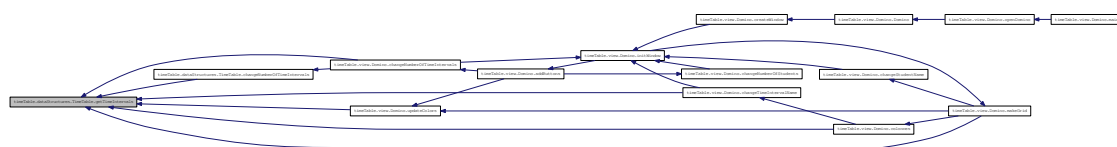
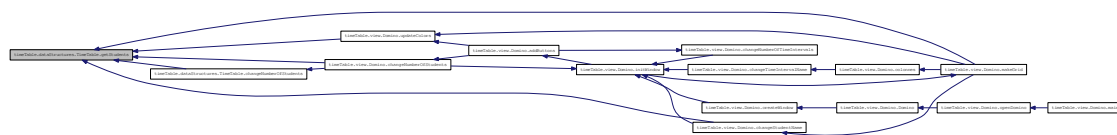
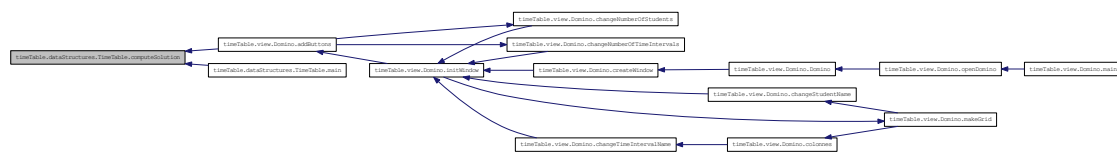
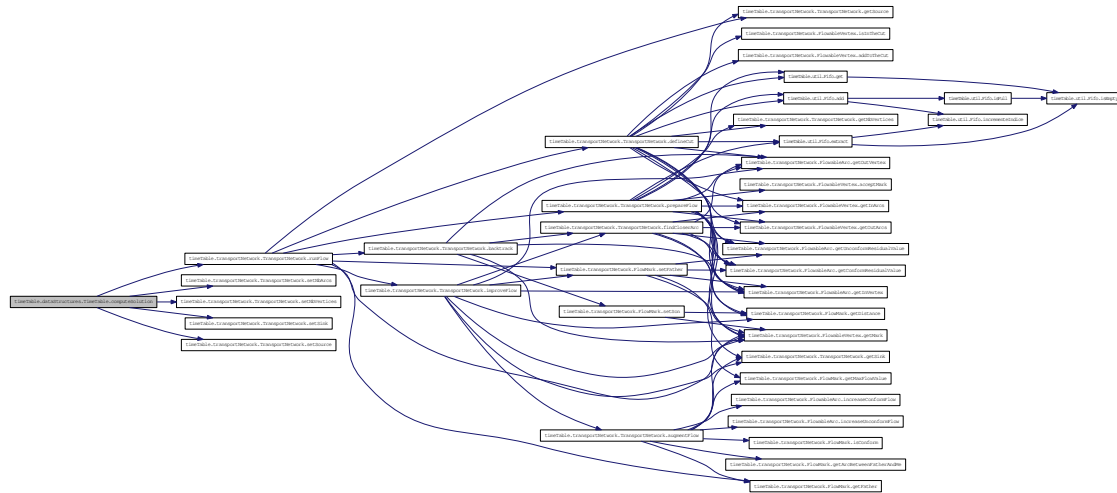


Here is the call graph for this function:



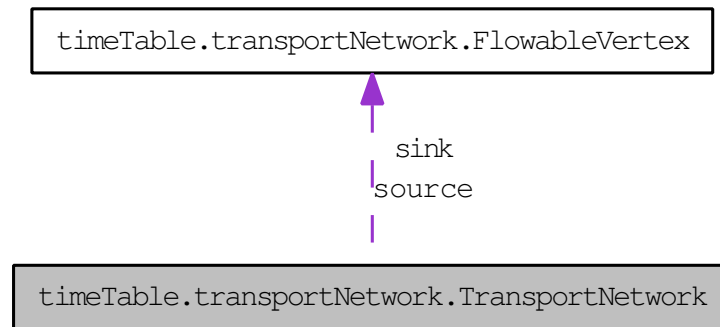
Here is the call graph for this function:

[illegible]



6.12 timeTable.transportNetwork.TransportNetwork Class Reference

Collaboration diagram for timeTable.transportNetwork.TransportNetwork:



Public Member Functions

- [TransportNetwork \(\)](#)
- [FlowableVertex getSource \(\)](#)
- [FlowableVertex getSink \(\)](#)
- void [setSource \(FlowableVertex source\)](#)
- void [setSink \(FlowableVertex sink\)](#)
- void [setNbVertices \(int nbVertices\)](#)
- void [setNbArcs \(int nbArcs\)](#)
- int [getNbVertices \(\)](#)
- String [toString \(\)](#)
- double [runFlow \(\)](#)

Package Functions

- [FlowableArc findCloserArc \(FlowableVertex myVertex\)](#)

Private Member Functions

- void [prepareFlow \(\)](#)
- void [defineCut \(\)](#)
- [FlowableVertex improveFlow \(FlowableVertex startVertex\)](#)
- void [augmentFlow \(\)](#)
- void [backtrack \(FlowableVertex myVertex\)](#)

Private Attributes

- [FlowableVertex source](#)
- [FlowableVertex sink](#)
- int [nbVertices](#) = 0
- int [nbArcs](#) = 0
- double [flowValue](#) = 0.0

6.12.1 Detailed Description

Classe de modélisation d'un réseau de Transport, c'est-à-dire tout graphe connexe orienté comportant un sommet-source, un sommet-puits, des arcs valués ou de capacité infinie. Cette classe contient aussi une méthode permettant de déterminer le flot max et la coupe min. Cet implantation ne fonctionne pas si il n'existe pas de coupe de capacité finie.

6.12.2 Constructor & Destructor Documentation

6.12.2.1 `timeTable.transportNetwork.TransportNetwork.TransportNetwork ()`

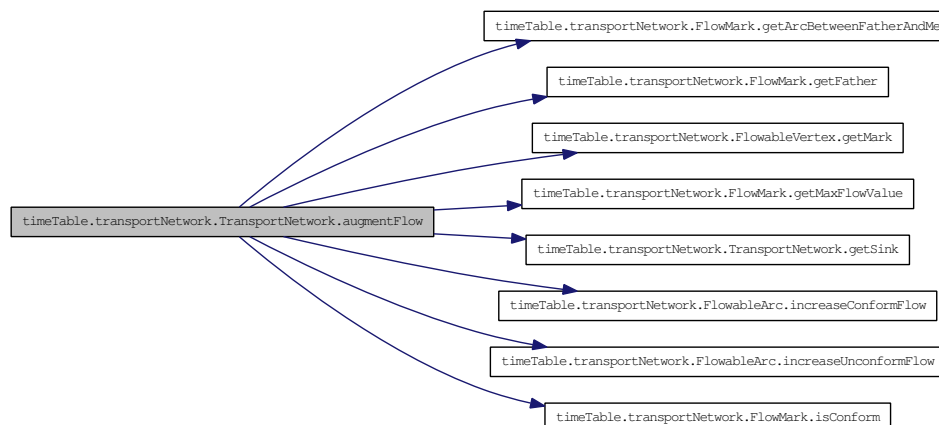
Pour réussir à mettre en place les références croisées, on peut créer un réseau sans lui passer de source et de puits en paramètre. Il faut par contre si on veut faire tourner un algorithme de flot invoquer préalablement les méthodes [setSource\(\)](#) et [setSink\(\)](#).

6.12.3 Member Function Documentation

6.12.3.1 `void timeTable.transportNetwork.TransportNetwork.augmentFlow () [private]`

Augmentation du flot.

Here is the call graph for this function:



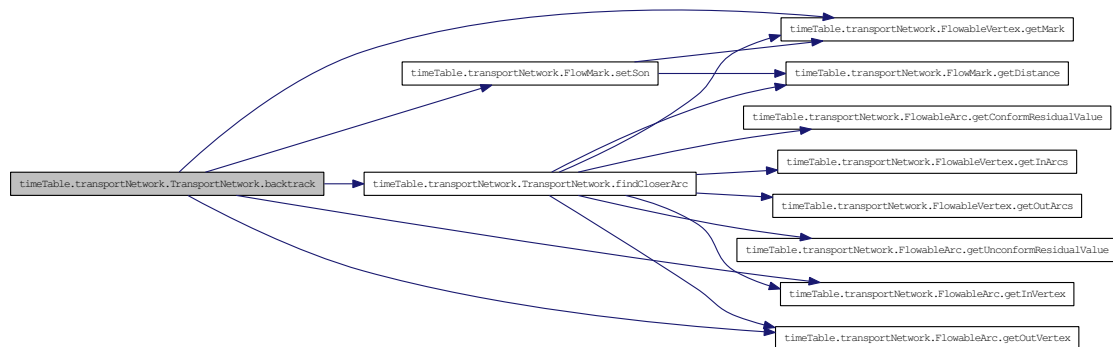
Here is the caller graph for this function:



6.12.3.2 `void timeTable.transportNetwork.TransportNetwork.backtrack (FlowableVertex myVertex) [private]`

Cette méthode recherche parmi toutes les arêtes non saturées adjacentes à myVertex celle dont la distance au puits st minimale.

Here is the call graph for this function:



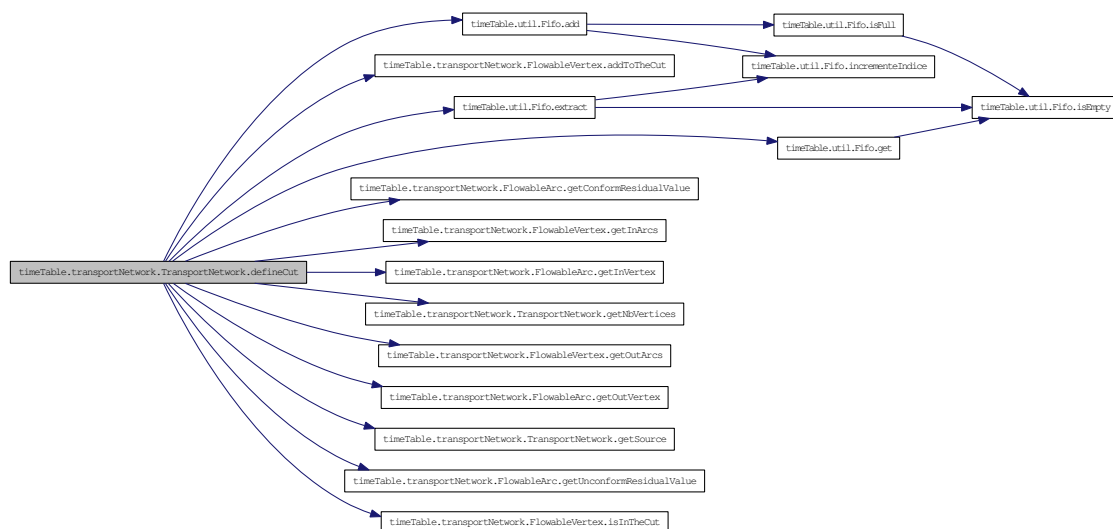
Here is the caller graph for this function:



6.12.3.3 void timeTable.transportNetwork.TransportNetwork.defineCut () [private]

Marque tous les sommets appartenant à la coupe.

Here is the call graph for this function:



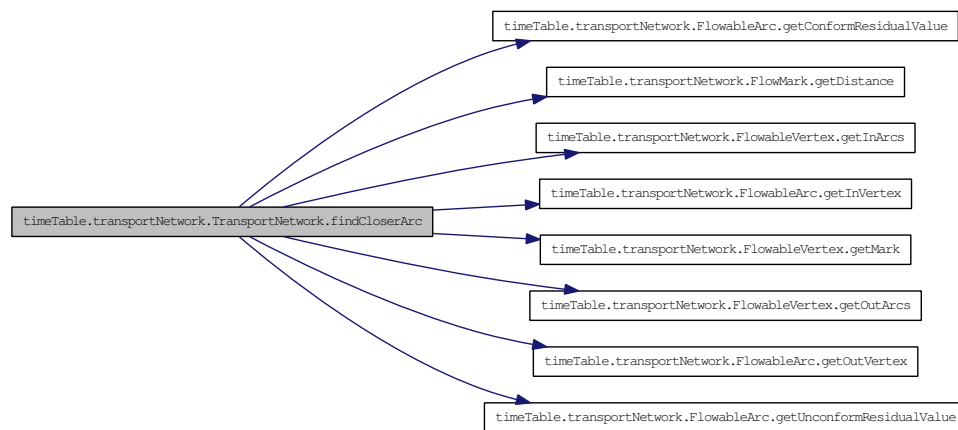
Here is the caller graph for this function:



6.12.3.4 FlowableArc timeTable.transportNetwork.TransportNetwork.findCloserArc (FlowableVertex myVertex) [package]

Renvoie l'arête la plus proche du puits parmi les arêtes adjacentes à myVertex.

Here is the call graph for this function:



Here is the caller graph for this function:



6.12.3.5 int timeTable.transportNetwork.TransportNetwork.getNbVertices ()

Retourne le nombre de sommets du réseau de transport.

Here is the caller graph for this function:



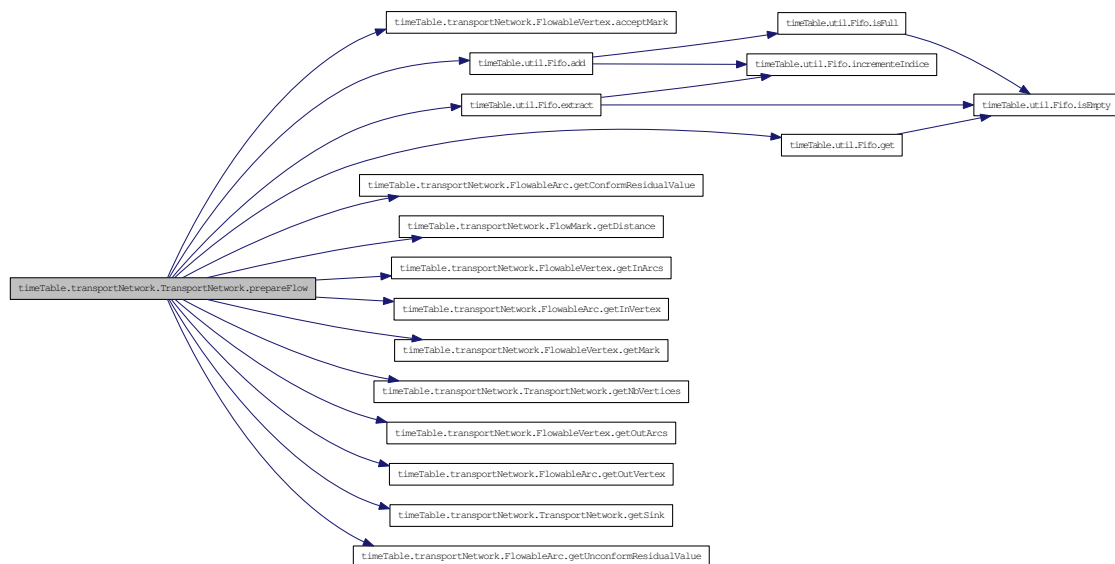
Here is the caller graph for this function:



6.12.3.9 void timeTable.transportNetwork.TransportNetwork.prepareFlow () [private]

Prépare le graphe en effectuant un parcours en largeur.

Here is the call graph for this function:



Here is the caller graph for this function:



6.12.3.10 double timeTable.transportNetwork.TransportNetwork.runFlow ()

Calcule le flot maximal.

The diagram illustrates a hierarchical dependency structure for TensorFlow's convolutional layer implementation. At the top level, the main entry point is `tf.nn.conv2d`. This module depends on several core components, including `tf.nn.conv2d.impl`, `tf.nn.conv2d.impl.v1`, `tf.nn.conv2d.impl.v2`, `tf.nn.conv2d.impl.v3`, `tf.nn.conv2d.impl.v4`, `tf.nn.conv2d.impl.v5`, `tf.nn.conv2d.impl.v6`, `tf.nn.conv2d.impl.v7`, `tf.nn.conv2d.impl.v8`, `tf.nn.conv2d.impl.v9`, `tf.nn.conv2d.impl.v10`, `tf.nn.conv2d.impl.v11`, `tf.nn.conv2d.impl.v12`, `tf.nn.conv2d.impl.v13`, `tf.nn.conv2d.impl.v14`, `tf.nn.conv2d.impl.v15`, `tf.nn.conv2d.impl.v16`, `tf.nn.conv2d.impl.v17`, `tf.nn.conv2d.impl.v18`, `tf.nn.conv2d.impl.v19`, `tf.nn.conv2d.impl.v20`, `tf.nn.conv2d.impl.v21`, `tf.nn.conv2d.impl.v22`, `tf.nn.conv2d.impl.v23`, `tf.nn.conv2d.impl.v24`, `tf.nn.conv2d.impl.v25`, `tf.nn.conv2d.impl.v26`, `tf.nn.conv2d.impl.v27`, `tf.nn.conv2d.impl.v28`, `tf.nn.conv2d.impl.v29`, `tf.nn.conv2d.impl.v30`, `tf.nn.conv2d.impl.v31`, `tf.nn.conv2d.impl.v32`, `tf.nn.conv2d.impl.v33`, `tf.nn.conv2d.impl.v34`, `tf.nn.conv2d.impl.v35`, `tf.nn.conv2d.impl.v36`, `tf.nn.conv2d.impl.v37`, `tf.nn.conv2d.impl.v38`, `tf.nn.conv2d.impl.v39`, `tf.nn.conv2d.impl.v40`, `tf.nn.conv2d.impl.v41`, `tf.nn.conv2d.impl.v42`, `tf.nn.conv2d.impl.v43`, `tf.nn.conv2d.impl.v44`, `tf.nn.conv2d.impl.v45`, `tf.nn.conv2d.impl.v46`, `tf.nn.conv2d.impl.v47`, `tf.nn.conv2d.impl.v48`, `tf.nn.conv2d.impl.v49`, `tf.nn.conv2d.impl.v50`, `tf.nn.conv2d.impl.v51`, `tf.nn.conv2d.impl.v52`, `tf.nn.conv2d.impl.v53`, `tf.nn.conv2d.impl.v54`, `tf.nn.conv2d.impl.v55`, `tf.nn.conv2d.impl.v56`, `tf.nn.conv2d.impl.v57`, `tf.nn.conv2d.impl.v58`, `tf.nn.conv2d.impl.v59`, `tf.nn.conv2d.impl.v60`, `tf.nn.conv2d.impl.v61`, `tf.nn.conv2d.impl.v62`, `tf.nn.conv2d.impl.v63`, `tf.nn.conv2d.impl.v64`, `tf.nn.conv2d.impl.v65`, `tf.nn.conv2d.impl.v66`, `tf.nn.conv2d.impl.v67`, `tf.nn.conv2d.impl.v68`, `tf.nn.conv2d.impl.v69`, `tf.nn.conv2d.impl.v70`, `tf.nn.conv2d.impl.v71`, `tf.nn.conv2d.impl.v72`, `tf.nn.conv2d.impl.v73`, `tf.nn.conv2d.impl.v74`, `tf.nn.conv2d.impl.v75`, `tf.nn.conv2d.impl.v76`, `tf.nn.conv2d.impl.v77`, `tf.nn.conv2d.impl.v78`, `tf.nn.conv2d.impl.v79`, `tf.nn.conv2d.impl.v80`, `tf.nn.conv2d.impl.v81`, `tf.nn.conv2d.impl.v82`, `tf.nn.conv2d.impl.v83`, `tf.nn.conv2d.impl.v84`, `tf.nn.conv2d.impl.v85`, `tf.nn.conv2d.impl.v86`, `tf.nn.conv2d.impl.v87`, `tf.nn.conv2d.impl.v88`, `tf.nn.conv2d.impl.v89`, `tf.nn.conv2d.impl.v90`, `tf.nn.conv2d.impl.v91`, `tf.nn.conv2d.impl.v92`, `tf.nn.conv2d.impl.v93`, `tf.nn.conv2d.impl.v94`, `tf.nn.conv2d.impl.v95`, `tf.nn.conv2d.impl.v96`, `tf.nn.conv2d.impl.v97`, `tf.nn.conv2d.impl.v98`, `tf.nn.conv2d.impl.v99`, `tf.nn.conv2d.impl.v100`.

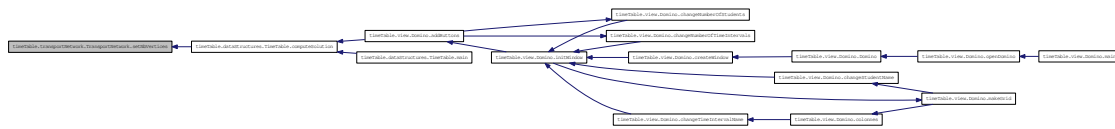
[illegible]

Here is the caller graph for this function:



Pour déterminer le nombre de sommets du réseau, cet indicateur intervient dans la condition d'arrêt de l'algorithme et doit par conséquent être exact.

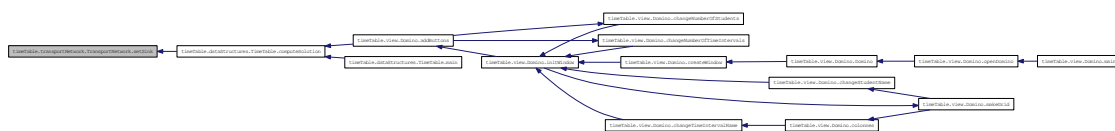
Here is the caller graph for this function:



6.12.3.13 void timeTable.transportNetwork.TransportNetwork.setSink (FlowableVertex *sink*)

Retourne le puits du réseau de transport

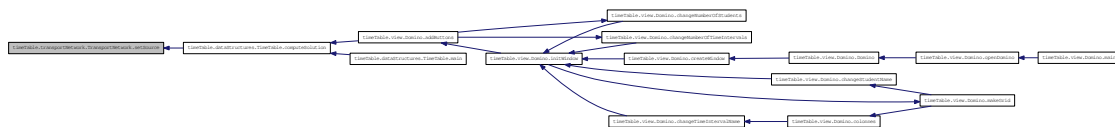
Here is the caller graph for this function:



6.12.3.14 void timeTable.transportNetwork.TransportNetwork.setSource (FlowableVertex *source*)

Retourne la source du réseau de transport

Here is the caller graph for this function:



6.12.3.15 String timeTable.transportNetwork.TransportNetwork.toString ()

Retourne une représentation sous forme chaîne de caractères du réseau de transport.

6.12.4 Member Data Documentation

6.12.4.1 double timeTable.transportNetwork.TransportNetwork.flowValue = 0.0 [private]

Valeur du flot.

6.12.4.2 int timeTable.transportNetwork.TransportNetwork.nbArcs = 0 [private]

Nombre d'arêtes

6.12.4.3 int timeTable.transportNetwork.TransportNetwork.nbVertices = 0 [private]

Nombre de sommets

6.12.4.4 FlowableVertex timeTable.transportNetwork.TransportNetwork.sink [private]

Sommet puits du réseau de transport

6.12.4.5 FlowableVertex timeTable.transportNetwork.TransportNetwork.source [private]

Sommet source du réseau de transport

The documentation for this class was generated from the following file:

- sources/timeTable/transportNetwork/[TransportNetwork.java](#)

6.13.1 Detailed Description

Exemple d'implémentation de [FlowableVertex](#), représente un sommet dans le réseau de transport. Le coût de cet implémentation est le passage de l'instance de [TransportNetwork](#) en paramètre dans le constructeur.

6.13.2 Constructor & Destructor Documentation

6.13.2.1 `timeTable.transportNetwork.Vertex.Vertex (TransportNetwork myTransportNetwork, int indexOfVertex)`

Création d'un sommet...

6.13.3 Member Function Documentation

6.13.3.1 `void timeTable.transportNetwork.Vertex.acceptMark (FlowMark myMark)`

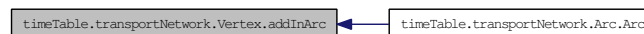
Accepte la marque myMark.

Implements [timeTable.transportNetwork.FlowableVertex](#).

6.13.3.2 `void timeTable.transportNetwork.Vertex.addInArc (Arc myArc)`

Ajout d'une arête inconforme.

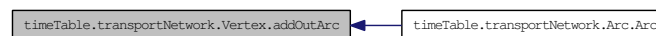
Here is the caller graph for this function:



6.13.3.3 `void timeTable.transportNetwork.Vertex.addOutArc (Arc myArc)`

Ajout d'une arête conforme.

Here is the caller graph for this function:



6.13.3.4 `void timeTable.transportNetwork.Vertex.addToTheCut ()`

Ajoute ce sommet dans la coupe.

Implements [timeTable.transportNetwork.FlowableVertex](#).

Here is the call graph for this function:



6.13.3.5 Vector `timeTable.transportNetwork.Vertex.getInArcs ()`

Retourne la liste des prédécesseurs.

Implements [timeTable.transportNetwork.FlowableVertex](#).

6.13.3.6 int `timeTable.transportNetwork.Vertex.getIndex ()`

Retourne l'index du sommet courant.

Here is the caller graph for this function:



6.13.3.7 FlowMark `timeTable.transportNetwork.Vertex.getMark ()`

Retourne la marque si elle existe.

Implements [timeTable.transportNetwork.FlowableVertex](#).

6.13.3.8 Vector `timeTable.transportNetwork.Vertex.getOutArcs ()`

Retourne la liste des successeurs.

Implements [timeTable.transportNetwork.FlowableVertex](#).

6.13.3.9 FlowableVertex `timeTable.transportNetwork.Vertex.getSink ()`

Retourne le sommet puits.

Implements [timeTable.transportNetwork.FlowableVertex](#).

Here is the call graph for this function:



6.13.3.10 FlowableVertex `timeTable.transportNetwork.Vertex.getSource ()`

Retourne le sommet source.

Implements [timeTable.transportNetwork.FlowableVertex](#).

Here is the call graph for this function:



6.13.3.11 boolean timeTable.transportNetwork.Vertex.isInTheCut ()

Retourne `true` si ce sommet est dans la coupe.

Implements [timeTable.transportNetwork.FlowableVertex](#).

Here is the caller graph for this function:

**6.13.3.12 String timeTable.transportNetwork.Vertex.toString ()**

Renvoie cette arête sous format chaîne de caractères

6.13.4 Member Data Documentation**6.13.4.1 Vector<Arc> timeTable.transportNetwork.Vertex.inArcs [private]**

Ensemble des arêtes entrantes.

6.13.4.2 int timeTable.transportNetwork.Vertex.index [private]

Indice du sommet.

6.13.4.3 boolean timeTable.transportNetwork.Vertex.isInTheCut = false [private]

Vrai si le sommet marqué est dans la coupe.

6.13.4.4 FlowMark timeTable.transportNetwork.Vertex.myMark [private]

Marque.

6.13.4.5 TransportNetwork timeTable.transportNetwork.Vertex.myTransportNetwork [package]

Réseau de transport auquel ce sommet est associé.

6.13.4.6 Vector<Arc> timeTable.transportNetwork.Vertex.outArcs [private]

Ensemble des arêtes sortantes.

The documentation for this class was generated from the following file:

- [sources/timeTable/transportNetwork/Vertex.java](#)

Chapter 7

File Documentation

7.1 sources/timeTable/dataStructures/Availability.java File Reference

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- class [timeTable.dataStructures.Availability](#)

Packages

- package [timeTable.dataStructures](#)

7.2 sources/timeTable/dataStructures/Student.java File Reference

Classes

- class [timeTable.dataStructures.Student](#)

Packages

- package [timeTable.dataStructures](#)

7.3 sources/timeTable/dataStructures/TimeInterval.java File Reference

Classes

- class [timeTable.dataStructures.TimeInterval](#)

Packages

- package [timeTable.dataStructures](#)

7.4 sources/timeTable/dataStructures/TimeIntervalGroup.java File Reference

Classes

- class [timeTable.dataStructures.TimeIntervalGroup](#)

Packages

- package [timeTable.dataStructures](#)

7.5 sources/timeTable/dataStructures/TimeTable.java File Reference

Classes

- class [timeTable.dataStructures.TimeTable](#)

Packages

- package [timeTable.dataStructures](#)

7.6 sources/timeTable/transportNetwork/Arc.java File Reference

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- class [timeTable.transportNetwork.Arc](#)

Packages

- package [timeTable.transportNetwork](#)

7.7 sources/timeTable/transportNetwork/FlowableArc.java File Reference

Classes

- interface [timeTable.transportNetwork.FlowableArc](#)

Packages

- package [timeTable.transportNetwork](#)

7.8 sources/timeTable/transportNetwork/FlowableVertex.java File Reference

Classes

- interface [timeTable.transportNetwork.FlowableVertex](#)

Packages

- package [timeTable.transportNetwork](#)

7.9 sources/timeTable/transportNetwork/FlowMark.java File Reference

Classes

- class [timeTable.transportNetwork.FlowMark](#)

Packages

- package [timeTable.transportNetwork](#)

7.10 sources/timeTable/transportNetwork/TransportNetwork.java

File Reference

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Packages

- package [timeTable.transportNetwork](#)

7.12 sources/timeTable/util/Fifo.java File Reference

Classes

- class [timeTable.util.Fifo](#)

Packages

- package [timeTable.util](#)

7.13 sources/timeTable/view/Domino.java File Reference

Classes

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