Package modele

Class Position

java.lang.Object
        modele.Position

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public class **Position**
extends java.lang.Object

Represent a position in the grid A position always knows the maximum row and column of the grid

Constructor Summary

Constructors

Constructor	Description
Position(int MAX_ROW, int MAX_COL)	Create a random position with a given maximum row and column
Position(int MAX_ROW, int MAX_COL, int row, int col)	Create a position with a given row and column and a maximum row and column

Method Summary

All Methods   **Instance Methods**   **Concrete Methods**

Modifier and Type	Method	Description
double	**distance**(**Position** p)	Get the distance between two positions
boolean	**equals** (java.lang.Object obj)	Compare two positions
int	**getCol**()	Get the column of the position
int	**getMaxCol**()	Get the maximum column of the grid
int	**getMaxRow**()	Get the maximum row of the grid

`java.lang.String` **`toString`**`()`	Get the string representation of the position

Methods inherited from class java.lang.Object

`clone, finalize, getClass, notify, notifyAll, wait, wait, wait`

Constructor Detail

Position

```
public Position(int MAX_ROW,
                int MAX_COL,
                int row,
                int col)
```

Create a position with a given row and column and a maximum row and column

Parameters:

MAX_ROW - the maximum row of the grid

MAX_COL - the maximum column of the grid

row - the row of the position

col - the column of the position

Position

```
public Position(int MAX_ROW,
                int MAX_COL)
```

Create a random position with a given maximum row and column

Parameters:

MAX_ROW - the maximum row of the grid

MAX_COL - the maximum column of the grid

```
public int getMaxRow()
```

Get the maximum row of the grid

Returns:

the maximum row of the grid : MAX_ROW

getMaxCol

```
public int getMaxCol()
```

Get the maximum column of the grid

Returns:

the maximum column of the grid : MAX_COL

getRow

```
public int getRow()
```

Get the row of the position

Returns:

the row of the position : row

getCol

```
public int getCol()
```

Get the column of the position

Returns:

the column of the position : col

distance

```
public double distance(Position p)
```

Get the distance between two positions

---

toString

```
public java.lang.String toString()
```

Get the string representation of the position

Overrides:

toString in class java.lang.Object

Returns:

the string representation of the position : [row][col]

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hashCode

```
public int hashCode()
```

Get the hashcode of the position for mapping it

Overrides:

hashCode in class java.lang.Object

Returns:

the hashcode of the position

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equals

```
public boolean equals(java.lang.Object obj)
```

Compare two positions

Overrides:

equals in class java.lang.Object

Parameters:

obj - the position to compare with

Returns:

true if the positions are equals, false otherwise

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ALL CLASSES

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