pacsim

Class GhostCell

java.lang.Object
    pacsim.PacCell
        pacsim.GhostCell

All Implemented Interfaces:

java.io.Serializable, java.lang.Cloneable

Direct Known Subclasses:

BlinkyCell, ClydeCell, InkyCell, PinkyCell, RandomCell, SmartCell

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public abstract class **GhostCell**
extends PacCell
implements java.lang.Cloneable, java.io.Serializable

See Also:

Serialized Form

Field Summary

Fields

Modifier and Type	Field and Description
protected java.awt.Color	**baseColor**
protected int	**baseCost**
protected PacType	**baseType**
protected static int	**chaseTime**
protected PacFace	**face**
protected static int	**fearTime**
protected int	**fearTimer**
protected java.awt.Point	**homeCell**
protected PacMode	**mode**
protected int	**modeTimer**

protected boolean	**needToReverse**
protected static int	**scatterTime**

Fields inherited from class pacsim.PacCell

cost, loc

Constructor Summary

Constructors

Constructor and Description
GhostCell(int x, int y)

Method Summary

All Methods	Instance Methods	Abstract Methods	Concrete Methods

Modifier and Type	Method and Description
abstract **GhostCell**	**clone**()
abstract **GhostCell**	**clone**(int x, int y)
int	**getBaseCost**()
PacType	**getBaseType**()
PacFace	**getFace**()
int	**getFearTimer**()
java.awt.Point	**getHomeCell**()
PacMode	**getMode**()
int	**getModeTimer**()
abstract java.awt.Point	**getTarget**(java.awt.Point pLoc, java.awt.Point bLoc, **PacCell**[][] cell)
void	**markTime**(**PacCell**[][] cell)
void	**setBaseCost**(int cost)
void	**setBaseType**(**PacType** type)
void	**setFace**(**PacFace** face)

void	**setFace**(java.awt.Point tgt, **PacCell**[][] cell)
void	**setFearful**()
void	**show**(java.awt.Graphics g, int size)
void	**show**(java.awt.Graphics g, int size, int step)
protected void	**showEyes**(java.awt.Graphics g, int size, int step)
protected void	**showLeft**(java.awt.Graphics g, int size, int step)
protected void	**showLeftMiddle**(java.awt.Graphics g, int size, int step)
protected void	**showOval**(java.awt.Graphics g, int size, int step)
protected void	**showRight**(java.awt.Graphics g, int size, int step)
protected void	**showRightMiddle**(java.awt.Graphics g, int size, int step)

Methods inherited from class pacsim.PacCell

getCost, getLoc, getX, getY

Methods inherited from class java.lang.Object

equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

scatterTime

protected static final int scatterTime

See Also:

Constant Field Values

chaseTime

protected static final int chaseTime

See Also:

Constant Field Values

fearTime

`protected static final int fearTime`

See Also:

Constant Field Values

needToReverse

`protected boolean needToReverse`

face

`protected PacFace face`

mode

`protected PacMode mode`

baseType

`protected PacType baseType`

baseCost

`protected int baseCost`

homeCell

`protected java.awt.Point homeCell`

baseColor

`protected java.awt.Color baseColor`

modeTimer

```
protected int modeTimer
```

fearTimer

```
protected int fearTimer
```

Constructor Detail

GhostCell

```
public GhostCell(int x,
                 int y)
```

Method Detail

clone

```
public abstract GhostCell clone()
```

Overrides:

clone in class PacCell

clone

```
public abstract GhostCell clone(int x,
                                int y)
```

getTarget

```
public abstract java.awt.Point getTarget(java.awt.Point pLoc,
                                         java.awt.Point bLoc,
                                         PacCell[][] cell)
```

setFace

```
public void setFace(java.awt.Point tgt,
```

```
                                    PacCell[][] cell)
```

setFace

```
public void setFace(PacFace face)
```

getFace

```
public PacFace getFace()
```

setBaseType

```
public void setBaseType(PacType type)
```

getBaseType

```
public PacType getBaseType()
```

setBaseCost

```
public void setBaseCost(int cost)
```

getBaseCost

```
public int getBaseCost()
```

getHomeCell

```
public java.awt.Point getHomeCell()
```

getModeTimer

```
public int getModeTimer()
```

getFearTimer

```
public int getFearTimer()
```

getMode

```
public PacMode getMode()
```

setFearful

```
public void setFearful()
```

markTime

```
public void markTime(PacCell[][] cell)
```

show

```
public void show(java.awt.Graphics g,
                 int size)
```

Overrides:

show in class PacCell

show

```
public void show(java.awt.Graphics g,
                 int size,
                 int step)
```

showOval

```
protected void showOval(java.awt.Graphics g,
                        int size,
                        int step)
```

showLeft

```
protected void showLeft(java.awt.Graphics g,
                        int size,
                        int step)
```

showRight

```
protected void showRight(java.awt.Graphics g,
                         int size,
                         int step)
```

showLeftMiddle

```
protected void showLeftMiddle(java.awt.Graphics g,
                              int size,
                              int step)
```

showRightMiddle

```
protected void showRightMiddle(java.awt.Graphics g,
                               int size,
                               int step)
```

showEyes

```
protected void showEyes(java.awt.Graphics g,
                        int size,
                        int step)
```

PACKAGE   CLASS   USE   TREE   DEPRECATED   INDEX   HELP

PREV CLASS   NEXT CLASS   FRAMES   NO FRAMES   ALL CLASSES
SUMMARY: NESTED | FIELD | CONSTR | METHOD   DETAIL: FIELD | CONSTR | METHOD