ALL CLASSES

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

## **Class Ammunition**

java.lang.Object greenfoot.Actor Ammunition

**Direct Known Subclasses:** 

Cannonball, Fireball

public abstract class Ammunition
extends greenfoot.Actor

# **Ammunition Class**

Abstract superclass of all types of ammunition, initializes basic variables and includes functions necessary for the ammunition's functions.

SEARCH:

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Author:

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# Field Summary

## **Fields**

Modifier and Type	Field	Description
protected int	alliance	
protected int	damage	
protected int	speed	
protected int	xTarget	
protected int	yTarget	

# **Constructor Summary**

#### **Constructors**

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## Method Summary

All Methods	s Instance Methods	Concrete Methods
Modifier and Type	Method	Description
void	act()	Called every method, checks if the ammunition has hit anything, and if not moves and checks if it is out of bounds.
void	<pre>addedToWorld (greenfoot.World w)</pre>	Called when ammunition is added to the world, turns towards its target.
protected void	<pre>checkEdges()</pre>	Checks if the ammunition has reaches the edges, and if so, removes itself from the world.
protected boolean	<pre>checkHit()</pre>	Checks if the ammunition has hit anything, and if so removes itself from the world.

# Methods inherited from class greenfoot.Actor

getImage, getIntersectingObjects, getNeighbours, getObjectsAtOffset,
getObjectsInRange, getOneIntersectingObject, getOneObjectAtOffset, getRotation,
getWorld, getWorldOfType, getX, getY, intersects, isAtEdge, isTouching, move,
removeTouching, setImage, setImage, setLocation, setRotation, turn, turnTowards

# Methods inherited from class java.lang.Object

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

## Field Detail

#### damage

protected int damage

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alliance

protected int alliance

**xTarget** 

protected int xTarget

yTarget

protected int yTarget

## **Constructor Detail**

#### **Ammunition**

Initializes the ammunition's speed, alliance, and coordinates of its target.

### Parameters:

speed - The speed of the ammunition

alliance - The alliance the ammunition belongs to

target - The target of the ammunition

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public void act()

Called every method, checks if the ammunition has hit anything, and if not moves and checks if it is out of bounds.

Overrides:

act in class greenfoot. Actor

#### addedToWorld

public void addedToWorld(greenfoot.World w)

Called when ammunition is added to the world, turns towards its target.

Overrides:

addedToWorld in class greenfoot.Actor

Parameters:

w - The World the ammunition is in

#### checkHit

protected boolean checkHit()

Checks if the ammunition has hit anything, and if so removes itself from the world.

Returns:

boolean If the ammunition has hit anything

#### checkEdges

protected void checkEdges()

Checks if the ammunition has reaches the edges, and if so, removes itself from the world.

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD