

Instruction

private String word _ word : String

private int minRange private int maxRange

public Instructor(String initWord):

 $public\ Instructor(String\ initWord,\ int\ initMinRange,\ int\ initMaxRange):$

public getWord(): String

public getMinRange(): int

public getMaxRange(): int

public toString(): String

public isParameterValid(int parameter): boolean

private boolean isPenActivated
private int yPosition
private int currentAngle
private int currentAngle

Turtle

public Turtle()

public getIsPenActivated(): boolean

public getXPosition(): int public getYPosition(): int

public getCurrentAngle(): int

public toString(): String

public moveForward(int distance): void

public rotate(int degrees): void
public setPenActivate(): void
public setPenDeactivate(): void

formal ;

Instruction

word: StringlowerBound: intupperBound: int

+Instruction(w:String, lb:int, ub:int)

+Instruction(w:String) +getWord(): String +isLegal(p:int): bool +toString(): String