	7	Variables					
precondition	postcondition		PRIVATE int weight				
{this.persons != null & this.persons.elements != null & this.floorButtons != null & p != null & p.getDestination() >= 0 & p.getDestination() <			{this.persons.contains(p) = TRUE & this.floorButtons[p.getDestination()] = TRUE}		PARAM Person p PRIVATE int old_weight PRIVATE boolean old_contains		
this.floorButtons.length}					PRIVATE boolean blocked		
		PRIVATE ArrayList persons					
		PRIVATE Environment env PRIVATE int doors					
precondition		postcondition			PRIVATE int currentFloorID		
{this.persons != null & this.persons.ele this.floorButtons != null & p != null & p.get p.getDestination() < this.floorBut	tDestination()>= 0 &	{this.persons.contains(p) = TRUE & this.floorButtons[p.getDestination()] = TRUE}			PRIVATE int currentHeading PRIVATE boolean verbose PUBLIC boolean[] floorButto PRIVATE int old_currentFloor		
statement 1	intermediat	te condition	statement 2				
	{this.persons != null & this.persons.elements != null & this.floorButtons != null & p != null & p.getDestination() >= 0 & p.getDestination() < this.floorButtons.length & this.floorButtons[p.getDestination()] = TRUE}		statement2		Global Conditions		
statement1					Person p non-null		
					p. <inv></inv>		
Statement1	Statement2 🗸						
		√) (

precondition	statement	postcondition	precondition	statement	postcondition
{this.persons != null & this.persons.elements != null & this.floorButtons != null & p != null & p.getDestination() >= 0 & p.getDestination() < this.floorButtons.length}	p.enterElevator(this);	{this.persons != null & this.persons.elements != null & this.floorButtons != null & p != null & p.getDestination() >= 0 & p.getDestination() < this.floorButtons.length & this.floorButtons[p.getDestination()] = TRUE}	{this.persons != null & this.persons.elements != null & this.floorButtons != null & p != null & p.getDestination() >= 0 & p.getDestination() < this.floorButtons.length & this.floorButtons[p.getDestination()] = TRUE}	this.persons.add(p);	{this.persons.contains(p) = TRUE & this.floorButtons[p.getDes tination()] = TRUE}