Formula									Variables	
precondition					ment	postcondition		tion	LOCAL boolean result	
presentation				Statement		{\original_post & this.old_contains = TRUE			RETURN boolean ret	
{p!= null & this.persons!= null &				statement		-> (this.weight = \old(this.weight) -			PARAM Person p	
this.persons.elements != null}							p.getWeight())}		Global Conditions	
					<u></u>				Person p non-null	
Co					mposition				this.persons.elements != null this.weight >= 0	
precondition					postcondition					
{p != null & this.persons != null & this.persons.elements != !					ull} {\original_post & this.old_contains = TRUE -> (this.weight = \old(this.weight) - p.getWeight())}					
statement 1			interme	intermediate		ate condition		t 2		
statement1				{result = FALSE & th this.persons.co		statement2		t2		
Statement1 🗸										
precondition	state	ment	postcondition		Composition					
					precoi	ndition	dition		postcondition	
this.persons.eleme	result = false; { this.old_contains = th this.persons.contain th s(p);		_					ost & this.old_contains = TRUE -> \old(this.weight) - p.getWeight())}		
nts != null}					statement 1		intermediat	e condition	statement 2	
							{\original_post &			
SelectionStatement1					statement1 this.old_contains = TRUE -> (this.weight = \old(this.weight)) p.getWeight())}			statement2		
SelectionStatement IFFI										
guards				R	ReturnStatement1					
this.old_contains = TRUE				4		D-4St-4			V	
		this old	contains = FALSE		precondition	,	ReturnStatement		postcondition	
		tilis.oru_	contains - TAESE	1	original_post 8}{\original_post 8} his.old_contains = TR:				{\original_post & this.old_contains = TRUE ->	
					(this.weight = \old(this.weig		result:		(this.weight = \old(this.weight)	
precondition					- p.getWeight())}				- p.getWeight())}	
{modifiable(\nothing);(result   {modifiable(\nothing);(result   = FALSE & this.old_contains   = FALSE & this.old_contains					SkipStatement1					
= this.persons.contains(p)) & = this.persons.contains(p)) &				Skip						
(this.old_contains = TRUE)} (this.		_			precondition				postcondition	
statements										
statement statement			tatement	≥tt	this old contains - this persons contains(n)) &			t & this.old_contains = TRUE -> old(this.weight) - p.getWeight())}		
				St	Statement2					
postcondition					precondition					
{\original_post & this.old_contains = TRUE -> (this.weight = \old(this.weight) - p.getWeight())}				(m	<pre>precondition {modifiable(\nothing);(result =</pre>		statement original(p);		postcondition	
				I	FALSE & this.old_contains = this.persons.contains(p)) & (this.old_contains = TRUE)}		this.weight = this.weight -p.getWeight();		{\original_post & this.old_contains = TRUE -> (this.weight = \old(this.weight)	
				result = true;			- p.getWeight())}			