



Precision about the Cascade

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Let's be Precise!



(OrderedCollection with: I) add: 25; add: 35

In the example the FIRST message involved in the cascade is the first add: msg and not #with:. So all the messages are sent to the result of the parenthesised expression, the newly created instance of an Ordered Collection

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Let's be Precise!



- The semantics of the cascade is to send all the messages in the cascade to the receiver of the FIRST message involved in the cascade.
- · Workstation new name: #mac ; nextNode: aNode
- Where the msg name: is sent to the newly created instance of workstation and the msg nextNode: too.

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One Problem



(OrderedCollection with: I)

add: 25; add: 35

Prlt-> 35

One problem: the expression returns 35 and not the collection object.

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Let's analyze a bit...



OrderedCollection>>add: newObject

"Include newObject as one of the receiver's elements. Answer newObject."

^self addLast: newObject

OrderedCollection>>addLast: newObject

"Add newObject to the end of the receiver. Answer newObject."

lastIndex = self basicSize ifTrue: [self makeRoomAtLast]. lastIndex := lastIndex + I.

self basicAt: lastIndex put: newObject.

^newObject

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Really got it?



yourself returns the receiver of the cascade:

Here the receiver of the cascade is a newly created instance an Ordered Collection and not the class Ordered Collection. The self in the yourself method is linked to this instance

(OrderedCollection with: I) add: 25; add: 35; yourself

anOrderedCollection(I) = self

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Yourself: Accessing the Receiver



- · Use yourself
- · yourself returns the receiver of the cascade.

(OrderedCollection with: I)

add: 25;

add: 35; yourself

-> OrderedCollection(I 25 35)

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Of course!



Object>>yourself
^ self

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