

Selecting the precedent message in the stack

The method definition of the selected message

The screenshot shows the 'MessageNotUnderstood: +' window in Smalltalk. The message stack lists several messages, with 'UndefinedObject>>DoIt' selected. Below the stack are buttons: 'Proceed', 'Restart', 'Send', 'Step', 'Through', 'Full Stack', and 'Where'. The 'DoIt' method definition is shown below the buttons, including a comment 'size' and a line '↑ size + 10'. At the bottom, there are three variable inspectors: 'self' (value: nil), 'thisContext' (value: nil), and 'size' (value: nil). Arrows from the external text labels point to these elements: 'Selecting the precedent message in the stack' points to the stack, 'The method definition of the selected message' points to the 'DoIt' method, and 'The receiver of the message (self) and its value nil here.' points to the 'self' inspector. Another arrow points from 'size is nil' to the 'size' inspector.

MessageNotUnderstood: +

UndefinedObject(Object)>>doesNotUnderstand:
UndefinedObject>>DoIt
Compiler>>evaluate:in:to:notifying:ifFail:
[] in TextMorphEditor(ParagraphEditor)>>evaluateSelection
BlockContext>>on:do:
TextMorphEditor(ParagraphEditor)>>evaluateSelection
[] in PluggableTextMorph>>doItSpecial

Proceed Restart Send Step Through Full Stack Where

DoIt

| size |
↑ size + 10

self nil
all inst vars

thisContext nil
all temp vars
size

The receiver of the message (self) and its value nil here.

size is nil