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| --- |
| TAD <Stack> |
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| Stack = {element, top} |
| {inv: {element <= top} |
| Operations:  createStack (): Stack  pushElement (Element): Element x Stack -> Stack  popElement (): Element x Stack -> Element |

-createStack():

Create the Stack.

PRE: {Stack == null} y {top == null}

POS: {Stack}.

-pushElement(element)

Insert an element in the stack.

PRE:{element ¡= null} ^ {Stack ¡= null}

Pos: {Stack} y {newElement = top}

-popElement ()

Eliminate and get the element in the top of the Stack

PRE:{top!=null}

POS:{topElement} y {newTopElement = elements[elements.lengyh-2]}