

Z Stack Spec

$maxSize == 20000.$

Stack

$items : seq\ Object$

$\#items \leq maxSize$

StackInit

Stack'

$items' = \langle \rangle$

Top

$\exists Stack$

$x! : Object$

$items \neq \langle \rangle$

$x! = head\ items$

Pop

$\Delta Stack$

$x! : Object$

$items \neq \langle \rangle$

$items' = tail\ items$

$x! = head\ items$

Push

$\Delta Stack$

$x? : Object$

$\#items < maxSize$

$items' = \langle x? \rangle \hat{\ } items$