

Formula			✓
precondition	statement	postcondition	
{\original_pre}	statement	{(\old(data).length < LIMIT) -> \original_post}	

Variables
PARAM int newTop
PUBLIC final int LIMIT

SelectionStatement1

SelectionStatement IF..FI		✓
guards		
data.length < LIMIT	data.length >= LIMIT	
precondition		
{modifiable(\nothing);\original_pre} & (data.length < LIMIT)}	{modifiable(\nothing);\original_pre} & (data.length >= LIMIT)}	
statements		
statement	statement	
postcondition		
{(\old(data).length < LIMIT) -> \original_post}		

Global Conditions
data != null
data.length >= 0
LIMIT > data.length

Statement1

precondition	Original-Call Statement	postcondition	✓
modifiable(\nothing); \original_pre} & (data.length < LIMIT)	original(newTop);	{(\old(data).length < LIMIT) -> \original_post}	

SkipStatement1

Skip		✓
precondition	postcondition	
{modifiable(\nothing); \original_pre} & (data.length >= LIMIT)}	{(\old(data).length < LIMIT) -> \original_post}	